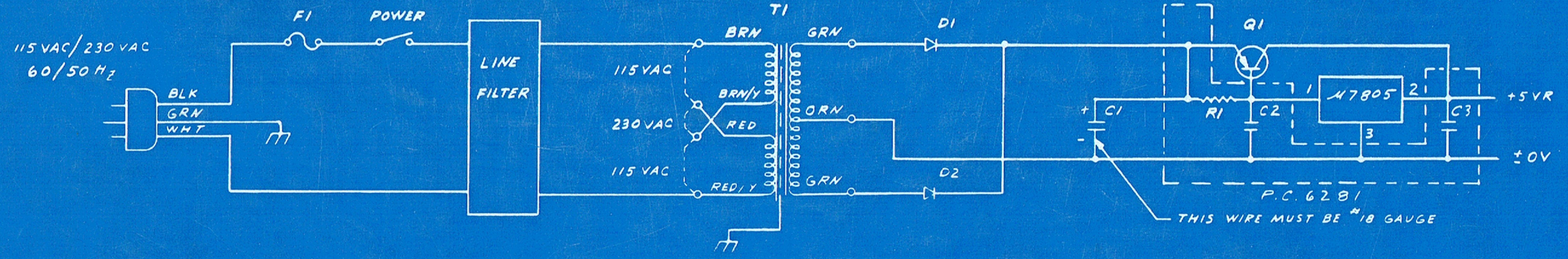
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SCHEMATIC MANUAL



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SCHEMATIC MANUAL

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03-0019
SCHEMATIC MANUAL

May, 1977

SCHEMATIC MANUAL REPRINT

The original quantity of schematic manuals was exhausted, necessitating a reprint. Because of the bulk of the original manual and the limited use of the first several sections, this reprint only contains the following sections: Model 1200/1222; 2200; PERIPHERALS; and DIABLO SERIES 40 DISK DRIVE. This reprinted manual contains all updates and revisions included in the first three schematic manual addenda.

Printed in U.S.A.

PERIPHERALS

The following schematics are contained in this section in the order listed:

TITLE	DRAWING #	SHEETS	PERIPHERAL
335	C6046	1	608/708
341	C5991-1	1	630/720/2230
343	C6188-1	1	609/709/629/729
347	D6473	1	641/741/2241
348	C6474	1	641/741/2241
350	C6490-1	1	633/733
351	C6467	1	2203
352	C6496	1	640/740/2240/2242/43
L506	See 6035 PC	1	602/702/2202
L507	See 6035 PC	1	602/702/2202
L507-1	See 6035-1 PC	1	602/702/2202
L509	D6109	1	703
L510	D6110	1	703
L511	D6111	1	703
L514	C6144-1	1	611/711
L515	C6145-1	1	611/711
L516	C6146-1	1	611/711
L517	C6147-1	1	611/711
L518	C6148-1	1	611/711
L519	D6149-1	1	711
L523	D6189-1	1	611
L532	See 6035-1 PC	1	602/702/2202
L534	D6196-1	1	609/709
L535	D6186-1	1	609/709/629/729
L536	D6180-1	1	609/709
L537	D6190-1	1	609/709/629/729
L538	D6198-1	1	609/709
L539	D6191	1	603/703
L540	D6199-1	1	609/709/629/729
L541	D6009-1	1	609/709
L542	D6401-1	1	609/709/629/729
L545	D6407	1	2203
L546	D6408	1	603
L556	D6421-1	1	628
L557	D6427-1	1	628
F560-1	C6040-1	1	603/703
L560	D6434-1	1	629/729
L561	D6431-1	1	629/729
L562	D6435-1	1	629/729
L563	D6432-1	1	629/729
L564	D6433	1	633/733
L565	D6436-1	1	632/732/2232
L574	C6484	1	633/733
L575	D6486-1	1	733
L576	D6487-1	1	633/733
L577	D6488-1	1	633/733
L578	D6489-1	1	633
850	D6450-1	2	710
851	D6451-1	1	710
853	D6453-1	2	710
854	D6484-1	2	710
855	D6455-1	2	710
856	D6456-1	1	710
857	D6457-1	1	710
858	D6458-1	1	710
861	D6461-1	1	710
862	D6462-1	1	710
863	D6463-1	1	710
864	D6464-1	1	710
868	D6468-1	1	710
869	D6469-1	1	710
871	D6471-1	1	710
5971	D5971-1	1	618/718
5972	E5972-1	1	618/718
5973	D5973-1	1	618/718
5974	D5974-1	1	618/718
5977	C5977-1	1	604/704
5978	D5978-1	2	604/704
5992	C5992-1	1	607/707
5993	D5993-1	1	707
5994	E5994-1	1	707
5995	D5995-1	1	607/707
6021	D6021-1	1	611/711
6035	E6033	1	602/702/2202
6035-1	E6033-1	1	602/702/2202
6053	D6053	1	601/701/2201
6117	D6117-1	1	705
6125	D6125-1	2	514
6127	D6127-1	2	714
6127-1	D6127-2	2	614
6134	A6134-1	1	602/702/2202
6175	D6175-1	1	609/709/629/729
6216	E6216	1	608/708
6233	D6233-1	1	USER ROM
6234	D6234-1	1	621/721
6235	6235-1	8	609/709
6243	D6243-1	1	705
6243	D6243-2	1	605
6247	D6247-1	1	USER ROM
6248	E6248-1	1	612/712/2212
6249	E6249-1	1	612/712/2212
6250	E6250-1	1	612/712/2212
6251	D6251-1	2	622/722
6255	E6255-1	1	607/707
6257	D6257-1	1	623/723
6258	E6258-1	1	623/723
6268	E6268-1	2	USER ROM
6272	D6272-1	1	711
6273	D6273-1	1	611
6276	E6276-1	1	624/724
6280	D6280-1	1	2214
6281	C6281-1	1	623/723/624/724
6284	C6284-1	1	603/703
6286	D6286-1	1	607/707
6287	D6287-1	1	628
6288	D6288-1	1	612/712/2212
6289	D6289-1	1	632/732/2232
6290	A6290-1	1	632/732/2232
6294	6294	2	629/729
6295	D6295-1	1	630/730/2230
6296	D6296-1	1	ALL 30's & 40's/2242/43
6297	D6297-1/2/3	1	-30
6297-1	D6297-10	1	ALL 30's/640/2240/42/43
6297-2	D6297-11	1	740
6298	E6298	1	ALL 30's & 40's/2242/43
6299	E6299-1	1	630/730/2230
6331	D6331-1	1	641/741/2241
6332	D6332-1	1	641/741/2241
6333	D6333-1	1	641/741/2241
6334	D6334	1	641/741/2241
6335	D6335-1	1	641/741/2241
6336	D6336-1	1	632/732/2232
6337	D6337	1	632/732/2232
6343	D6343-1	1	627/727
6344	D6344-1	1	627/727
6345	D6345-1	1	627/727
6346	D6346-1	1	627/727
6349	D6349-1	1	630/730/2230
6360	B6360-1	1	621/721/2221 (TESTER)
6363	D6363-1	1	632/732/2232
6366	D6366-1	1	633/733
6369	A6369'	1	ALL 30's & 40's/2242/43
6390	D6390	1	640/740/2240/2242
6391	D6391-1	1	640/740/2240/2242
6392	D6392-1	1	640/740/2240/2242
6394	D6394	1	2250
6395	D6395	1	640/740/2240/2242
6398	E6398	1	630/730/2230
6398-1	E6398-1	1	2260
6399	E6399-1	1	ALL 40's/2242/43
6448	C6448	1	TD24
6537	E6537-1	1	2243
6538	D6538-1	1	2243
6539	D6539-1	1	2243
6540	C6540-1	1	2243
6542	E6542-1	1	2224
6544	E6544-1	1	2224
6545	E6545-1	1	2224
6558	C6558	1	TD24
6573	E COMPOSITE	1/4	MODEL 72 PRINTER
6574	E COMPOSITE	1/4	MODEL 72 PRINTER
6575	E COMPOSITE	1/4	MODEL 72 PRINTER
6576	E6576	1	MODEL 72 PRINTER
6577	E6577	1	MODEL 72 PRINTER
6578	E6578	1	MODEL 72 PRINTER
6579	E6579	1	MODEL 72 PRINTER
6590	D6590	1	612/712/2212
6594	E6594	1	2209
6595	E6595	1	2209
6596	E6596	1	2209
6597	D6597	1	2260
6598	E6598	1	2209
6599	E6599	1	2209
6704	C6704	1	MODEL 72 PRINTER
6718	D6716	1	2201/2221M
6718	E6718	3	WCS/2270
6727	E6727	1	2221W
6728	E6728	1	MODEL 72 PRINTER
6751	D6751	1	621/721
6752	C6752	1	2272
6756	D6756	1	Model 61/62 Printer
6560	E6760	1	Model 61/62 Printer
6761	E6761	1	Model 62 Printer
6762	C6762	1	Model 61/62 Printer
6734	E6734	1	MODEL 72 PRINTER
6772	E6772	1	MODEL 72 PRINTER
7012	E7012	1	MODEL 72 PRINTER
7018	E7018	3	WCS/2270
7028	E7028	1	MODEL 72 PRINTER
7030	E7030	1	MODEL 77 PRINTER
7031	E7031	1	MODEL 77 PRINTER
7035	C7035	1	MODEL 77 PRINTER
7060	E7060	1	MODEL 61 PRINTER
7070	E7070	1	2212W
7071	D7071	1	2212W
7072	D7072	1	2212W
7073	E7073	1	2212W
7074	E7074	1	2212W
7075	C7075	1	2212W
7076	E7076	1	MODEL 72 PRINTER
7061-1	E7076	1	2221W/200W
7077	E7077	1	200W W/RS232
7091	E7091	1	2251 PRT
7092	D7092	1	2251 PRT
7094	D7094	1	2250
7129	B7129	1	MODEL 77 PRINTER
7130	C7130	1	MODEL 77 PRINTER
7131	E7131	1	MODEL 77 PRINTER
7132-1	E7132	1	MODEL 77 PRINTER
7133	D7133	1	MODEL 77 PRINTER
7134-1	E7134	1	MODEL 77 PRINTER
7136	D7136	1	MODEL 77 PRINTER
7137-1	E7137	1	MODEL 77 PRINTER
7143	E7143	1	2281D PRINTER
7157	D7157	1	2231W-1/2231W-2
7174	B7174	1	MODEL 77 PRINTER
7175	B7175	1	2221W
7184	B7184	1	2251
7218	E7218	3	2270A
7232	D7232	2	2261V
7239A	D7239	3	MODEL 77 PRINTER
7243-1	E7243	1	928
7270	B7270	1	2271 PLOTTER
7271/-1	E7271	1	2271 PLOTTER
7272	E7272	1	2271 PLOTTER
7273	D7273	1	2271 PLOTTER
7274	D7274	1	2271 PLOTTER
7275	B7275	1	2271 PLOTTER
7276	B7276	1	2271 PLOTTER
7295	E7295	1	2282 Mother Bd.
7296	E7296	3	2282
7297	D7297	2	2282
7298	E7298	2	2282
7343	E7343	1	928
7370	C7370	1	2282
7380	C7380	6	2282
7381	C7381	8	2263W
7383	D7383	2	2263W
7384	C7384	7	2263W
7385	C7385	5	2263W
7386	C7386	6	2263W
7387	C7387	4	2263W
7388	D7388	5	2263W
7389	D7389	1	2263W
7443	D7443	3	2281/2281E PRINTER/PLOT

TITLE	DRAWING #	SHEETS	PERIPHERAL
-01 PWER SUPPLY	D6066	1	601/701/2201
-01 CABLE	C6080	1	-01/-02/-11
-11 P2 CABLE	C6021-2	1	611/711
-11 P5 CABLE & PWR SUPPLY	D5776-558	2	-11
-11 I/O CABLE	C6021-4	1	611/711
2214 CABLE	C6280-3	1	2214
-21 I/O CABLE	C6465	1	621/721
-22 I/O CABLE	C5776-2042	1	622/722
-24 I/O CABLE	C6276-2	1	624/724
2221 CABLE	C6422-129	1	2221
DIABLO CABLE	D6472-59	1	ALL 30's
MEMOREX CABLE	C6499-25	1	ALL 40's
72 HEAT SINK	E6635-998	1	MODEL 72 PRINTER
72 PWR CIRCUIT	E6635-999	1	MODEL 72 PRINTER
72 CABLE	D6482-49	1	MODEL 72 PRINTER
6230 CABLE	D6230	1	2209
SHUGART CABLE	C6482-62	1	WCS/2270
MEMOREX BLOCK	204172	3	ALL 40's
MEMOREX LOGIC	012127	3	ALL 40's
SHUGART LOGIC	D25000	2	WCS/2270

LIST OF PCB'S BY PERIPHERAL

MODEL 601/701/2201
- 6053
- PWR SUPPLY
- CABLE

MODEL 602/702/2202
- L506
- L507
- L507-1/L532
- 6035
- 6035-1
- 6035-2
- 6134
- INPUT CABLE

MODEL 603/703
- L509
- L510
- L511
- L539
- L546
- F560-1
- 6284

MODEL 2203
- 351
- L545

MODEL 704
- 5977
- 5978

MODEL 605/705
- 6117
- 6243

MODEL 607/707
- 5992
- 5993
- 5994
- 5995
- 6255
- 6286

MODEL 708
- 335
- 6216

MODEL 609/709
- 343
- L534
- L535
- L536
- L537
- L538
- L540
- L541
- L542
- 6175
- 6235

MODEL 2209
- 352
- 6391
- 6394
- 6594
- 6595
- 6596
- 6598
- 6599
- 6230 CABLE

MODEL 710
- 850
- 851
- 853
- 854
- 855
- 856
- 857
- 858
- 861
- 862
- 863
- 864
- 868
- 869
- 871

MODEL 611/711
- L514
- L515
- L516
- L517
- L518
- L519
- L523
- 6021
- 6272
- 6273
- P2 CABLE
- P5 CABLE
- I/O CABLE
- INPUT CABLE
- PWR SUPPLY

MODEL 612/712/2212
- 6248
- 6249
- 6250
- 6288
- 6590

MODEL 514/614/714/2214
- 6125
- 6127
- 6127-1
- 6280
- 2214 CABLE

MODEL 618/718
- 5971
- 5972
- 5973
- 5974

MODEL 621/721/2221
- 6234
- 6360 TESTER
- 621/721 CABLE
- 2221 CABLE

MODEL 622/722
- 6251
- I/O CABLE

MODEL 623/723
- 6257
- 6258
- 6281

MODEL 624/724
- 6276
- 6281
- I/O CABLE

MODEL 2224
- 6542
- 6544
- 6545
- 6281

MODEL 627/727
- 6343
- 6344
- 6345
- 6346

MODEL 628
- L556
- L557
- 6287

MODEL 629/729
- 343
- L535
- L537
- L540
- L542
- L560
- L561
- L562
- L563
- L564
- 6175
- 6294

MODEL 630/730/2230
- 341
- 6295
- 6296
- 6297-1
- 6298
- 6299
- 6349
- 6398
- DIABLO CABLE

MODEL 632/732/2232
- L565
- 6289
- 6290
- 6336
- 6337
- 6363

MODEL 633/733
- 350
- L574
- L575
- L576
- L577
- L578
- 6366

MODEL 640/740/2240
- 352
- 6296
- 6297-1
- 6297-2
- 6298
- 6390
- 6391
- 6392
- 6395
- 6399
- 6537
- 6538
- 6539
- MEMOREX CABLE
- MEMOREX LOGIC

MODEL 641/741/2241
- 347
- 348
- 6331
- 6332
- 6333
- 6334
- 6335

MODEL 2242
- 352
- 6296
- 6297-1
- 6298
- 6390
- 6391
- 6392
- 6395
- 6399
- MEMOREX CABLE
- MEMOREX LOGIC

MODEL 2243
- 352
- 6296
- 6297-1
- 6298
- 6399
- 6537
- 6538
- 6539
- MEMOREX CABLE
- MEMOREX LOGIC

MODEL 2260
- 341
- 6295
- 6296
- 6297-1
- 6298
- 6299
- 6349
- 6398
- 6597
- DIABLO CABLE

MODEL 2251
- 7091
- 7092
- 7184

MODEL 2263
- 7380
- 7381
- 7382
- 7383
- 7384
- 7385
- 7386
- 7387
- 7388
- 7389

WCS/2270
- 6718
- 7018/-1/-2
- 7218
- SHUGART CABLE
- SHUGART LOGIC

MODEL 2271/71P
- 7270
- 7271/-1
- 7272
- 7273
- 7274
- 7275
- 7276

MODEL 2272
- 6752
- 7070
- 7071
- 7072
- 7073
- 7074
- 7075

MODEL 2281
- 7143
- 7243
- 7343
- 7443

MODEL 2282
- 7295
- 7296
- 7297
- 7298

MODEL 61/62 (2231)
- 6756
- 6760 Mod. 62 Only
- 6761
- 6762
- 7060
- 7157

MODEL 72
- 6568
- 6573
- 6574
- 6575
- 6576
- 6577
- 6578
- 6579
- 6704
- 6716
- 6727
- 6728
- 6734
- 6751
- 6772
- 7012
- 7028
- 7076/-1
- 7077
- HEAT SINK
- PWR CIRCUIT
- CABLE

MODEL 77 (2261W)
- 7030
- 7031
- 7035
- 7129
- 7130
- 7131
- 7132
- 7133
- 7134
- 7136
- 7137
- 7174
- 7175
- 7232
- 7239

MODEL UROM
- 6233
- 6247
- 6268

MODEL TD24
- 6448
- 6558

Schematic Manual Addendum #4
Peripheral Section

JANUARY 1979

This addendum contains updated and additional schematics for the peripheral section. There are also two pages included for insertion into the 2200 section to replace poorly reproduced schematics. Follow the guideline below to incorporate this addendum into the schematic manual:

Remove Old Page(s)	Insert New Page(s)
Peripheral Title Sheet, Rev 3	Peripheral Title Sheet, Rev 4
C6467-1/C6496	C6467-1/C6496
C6033/E6033-2	C6033/E6033-2
E6033-1/E6033-3	E6033-1/E6033-3
D6053/D6117-1	D6053/D6117-1
	D6125-1/D6125-1
D6127-1/D6127-1	D6127-1/D6127-1
D6127-2/D6127-2	D6127-2/D6127-2
A6134-1/D6175-1	A6134-1/D6175
	D6234-1/D6235-1
D6250/D6251-1	D6250/D6251-1
E6276-1/D6280-1	E6276-1/D6280-1
D6294-1/D6295	D6294-1/D6295
D6296-1/D6297-1	D6296-1/D6297-1,2,3
D6297-10/D6297-11	D6297-10/D6297-11
E6298/E6299-1	E6298/E6299-1
D6333-1/D6334-1	D6333-1/D6334
	D6337/D6343-1
D6346-1/6349-1	D6346-1/6349-1
E6398-1/E6398-1	E6398-1/E6398-1
	C6540/BLANK
D6544-1/D6545-1	D6544-1/D6545-1
D6558/A6568, 73, 4 & 5	D6558/A6568, 73, 4 & 5
E6576/E6577	E6576/E6577
E6578/D6579	E6578/D6579
D6595/E6596	D6595/E6596
	D6716/BLANK
E6718/E6718	E6718/E6718
E6718/E6728	E6718/E6727
C6734/D6772	E6728/C6734
	C6751/C6752
	C6756/E6760
	E6761/C6762
	D6772/BLANK
D7012/E7018	D7012/E7018
E7018/E7018	E7018/E7018

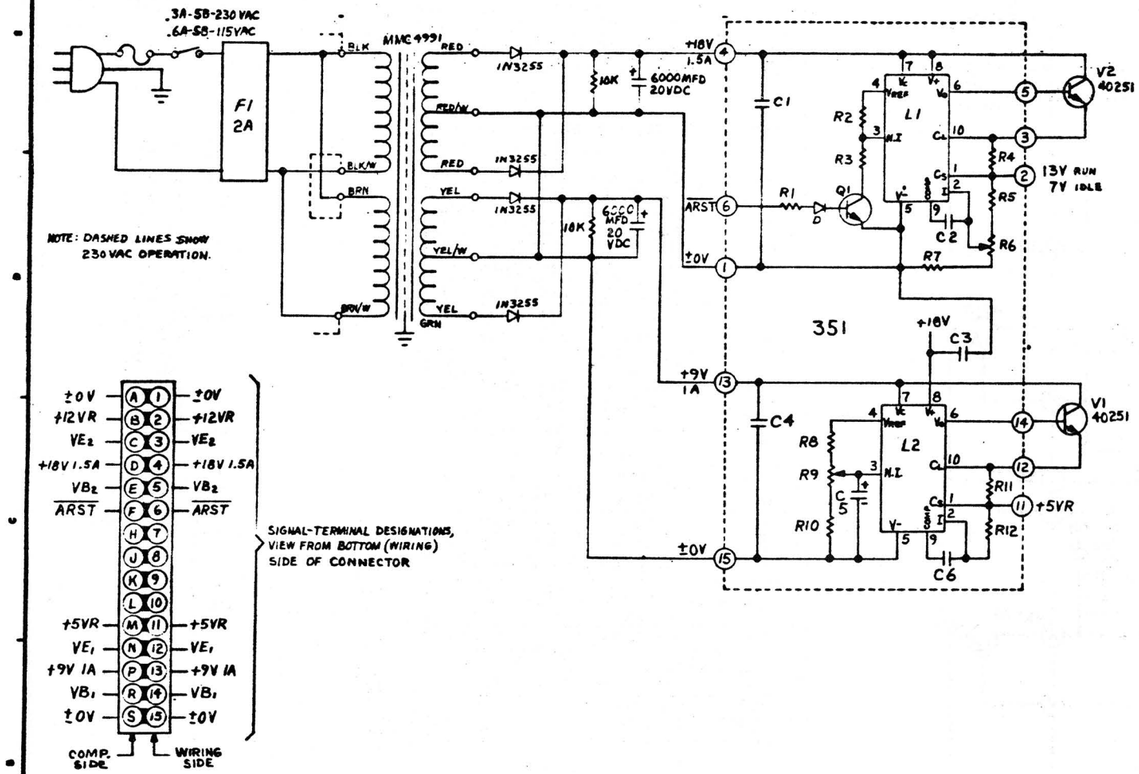
Remove Old Page(s)	Insert New Page(s)
E7028/E7076	E7028/E7030
	E7031/C7035
	E7060/E7070
	D7071/D7072
	E7073/E7074
	C7075/E7076
	E7077/E7091
	D7092/BLANK
	B7129/C7130
	E7131/E7132
	D7133/E7134
	D7136/E7137
	E7143/D7157
	B7174/B7175
	B7184/E7218
	E7218/E7218
	D7232/D7232
	D7239/D7239
	D7239/E7243
	B7270/E7271
	E7272/D7273
	D7274/B7275
	B7276/E7295
	E7296/E7296
	E7296/D7297
	D7297/D7298
	E7298/E7343
	E7370/C7380
	C7380/C7380
	C7381/C7381
	C7381/C7381
	C7383/D7383
	C7384/D7384
	C7384/D7384
	C7385/D7385

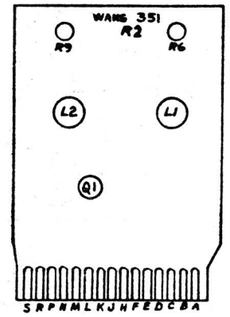
Remove Old Page(s)	Insert New Page(s)
	C7386/D7386
	C7386/D7387
	C7387/D7388
	D7388/D7388
	D7388/D7388
	D7389/D7443
	D7443/D7443

Replacement Pages for the 2200 Update

Remove from 2200 Section	Insert into 2200 Section
B6548-1/E6560	B6548-1/E6560
E7291/E7292	E7291/E7292

DO NOT SCALE





COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
R1	10K ¼W	330-4010	1
R2,3,5	1K ¼W	330-3010	3
R4,11	.3Ω 1.5W	333-0044	2
R6,9	1K TRIM POT	336-1001	2
R7	100Ω ¼W	330-2010	1
R8,12	1.5K ¼W	330-3015	2
R10	4.7K ¼W	330-3047	1
C1,3	.047μf MYLAR	300-2348	2
C2,6	220pf CER.	300-1220	2
C4	.05μf CER.	300-1900	1
C5	1μf TANT.	300-4000	1
Q1	MPS 6512	375-1012	1
D	SIL.DIODE(1N3253)	380-1001	1
L1,2	723 I.C.	376-0066	2

DEC 07 1978

NO.	REVISION	BY	DATE	F.S.S.
1	REV PER ECN 1047 APPD.	LK	5-20-74	
2	REV PER ECN 2276 APPD.	LS	8-23-76	2-25-78
3	REVISED PER ECN #3152 APPD.	LS	4-12-78	

REV	DESCRIPTION	DATE
	ORIGINAL RELEASE	10-26-73
A	REVISED PER ECN #1047	10/3/75
B	REVISED PER ECN #3152	12/20/78

TOL. EX. AS NOTED
.XX ±.010
.XXX ±.005
FRAC. ±1/64
ANG. ±0°30'
FINISH
MATERIAL
FINISH

WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

DR LK 10-26-73
CHK [illegible] 10/3/75
APPR [illegible] 12/20/78

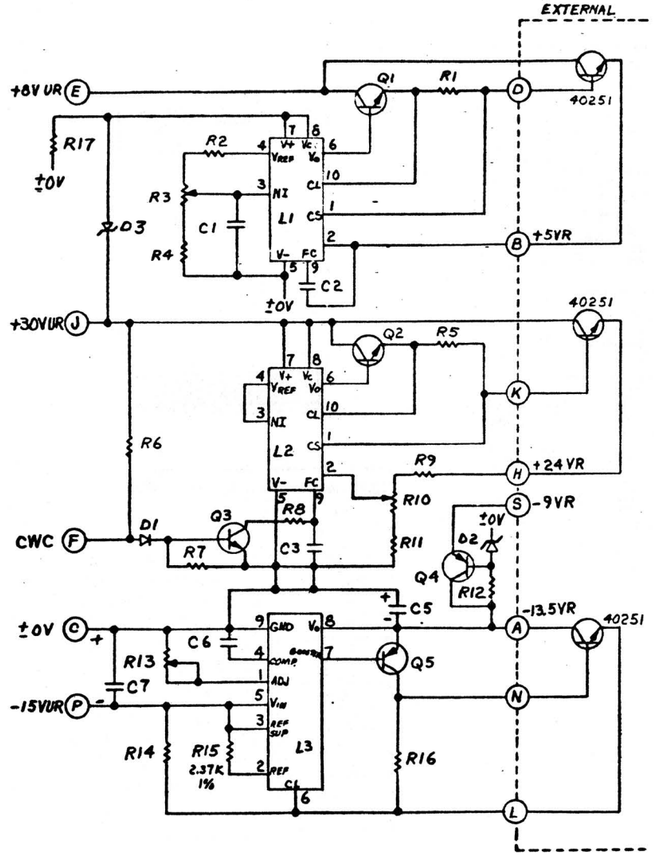
MODEL No. 2203 | W.O. No. | SCALE | SHEET 1 OF 1

TITLE SCHEMATIC LOGIBLOC #351 PROGRAMABLE POWER SUPPLY

PART NUMBER	REV	SIZE	DRAWING NUMBER
210-0351 SH 1 OF 5	4	C	6467

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DO NOT SCALE



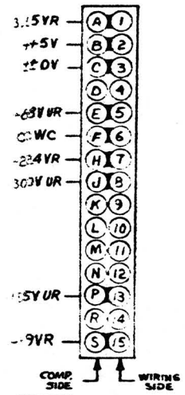
LOCATION	TYPE	W.L. PART NO.	TERM. NO. ±10V	TERM. NO. Vcc+5V	QTY
L1,2	723	376-0066	5	2	2
L3	LM304	376-0134	9		1

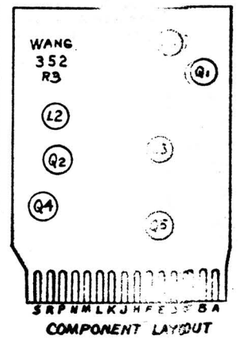
COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
R1	1Ω 1/2 W	331-0010	1
R2	820Ω 1/4 W	330-2082	1
R3,10	1K TRIM POT	336-1001	2
R4,11	3.3K 1/4W	330-3033	2
R6,9	8.2K 1/4W	330-3082	2
R7	1K 1/4W	330-3010	1
R8	2.2K 1/4W	330-3022	1
R12	220Ω 1/4W	330-2022	1
R13	10K TRIM POT	336-1010	1
R14	.25Ω 3W	334-0017	1
R16	100Ω 1/4 W	330-2010	1
C1, 2, 6	.0014μF 200V	300-1906	3
C5	15μF 20V TANT	300-4022	1
C7	5.6μF 35V TANT	300-4017	1
Q1,2	2N5189	375-1021	2
Q3	2N3014	375-0017	1
Q4,5	2N4037	375-0018	2
Q1,2,4,5	TRANSIPAD	375-9001	4
Q3	TRANSIPAD	375-9004	1
D1	D035 SIL.	380-1001	1
D2	IN758A 10V	380-2100	1
C3	.0024μF 200V	300-1913	1
R5	2.7Ω 1/2 W	331-0027	1
D3	IN4741 11V 1W	380-2110	1
R17	4.7K 1/4W	330-3047	1
R15	2.37K 1%	333-0093	1

HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES	HOLE DIA.	TOL.
	.0135 to .125	± .003
	.126 to .250	± .004
	.251 to .500	± .005

DESCRIPTION	QTY.





COMPONENT LAYOUT

JAN 08 1979

NO	BY	DATE	REVISION
1/0	BR	2-3-74	REV PER ECN 4024 DELETED C4; CHANGED C3 FROM .001μF TO .0024μF APP'D:
2/1	BR	2-18-75	REV. PER E.C.N.# 4227 APP'D:
3/2	BR	2-18-75	REV. PER ECN-4606. ADDED D2 & R17 APP'D.
4/3	BP	12-11-77	REVISED PER ECN# 7520 APP'D.

WANG PART NO	ITEM	QTY	NAME
Qty. Per Unit / FIRST USED ON / ASSY USED ON			

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL

FINISH

MODEL NO 90C/790/2240/2242/2243

SEE ENGRG SPECIFICATIONS No.

TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FRACTIONS

SCALE 4/1 SHT 4 OF 7

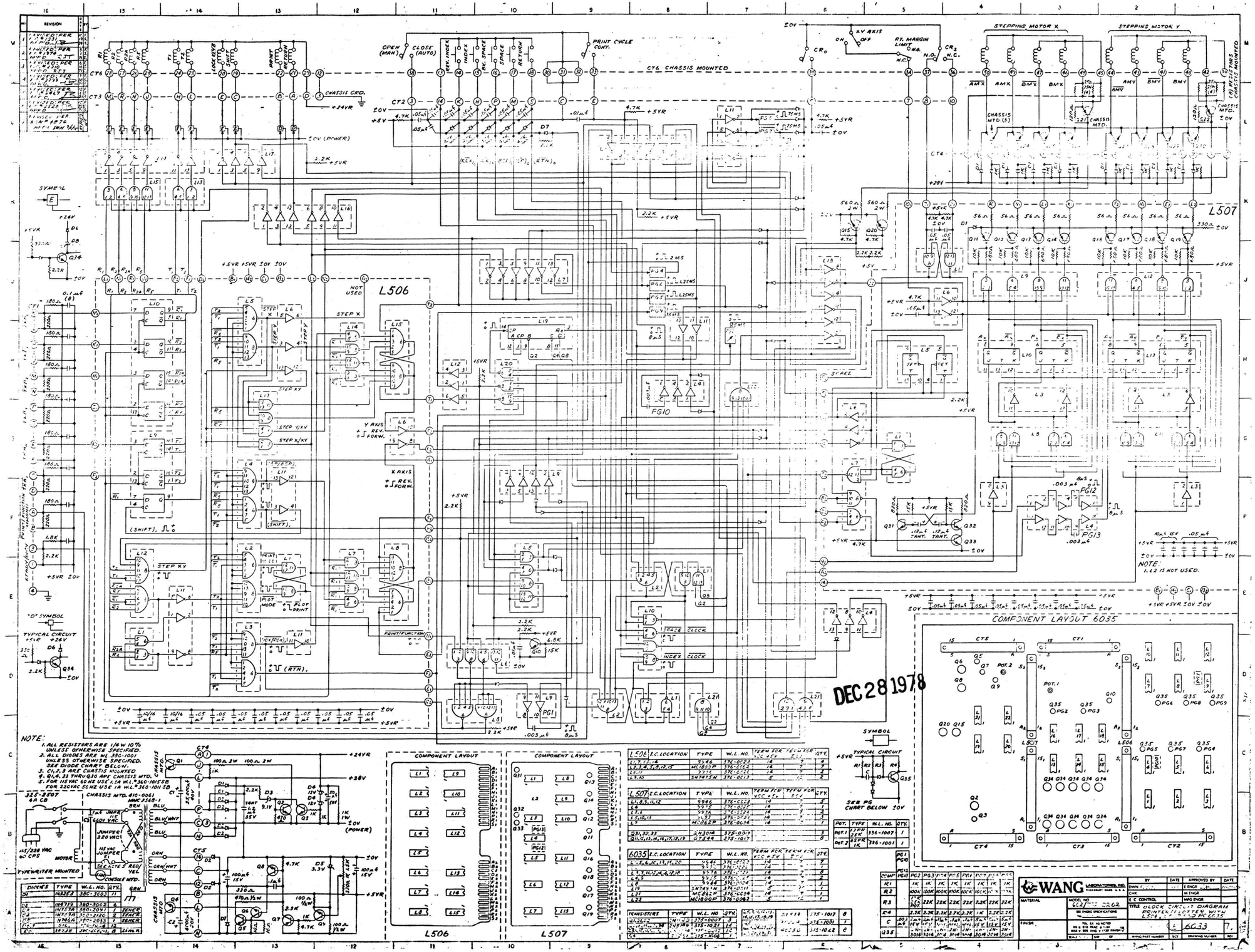
MATERIAL	DESCRIPTION
BY / DATE	APPROVED BY / DATE
DWN BR 6-26-74	E ENGR
CHK 7-11-74	M ENGR
E C CONTROL	MFG ENGR

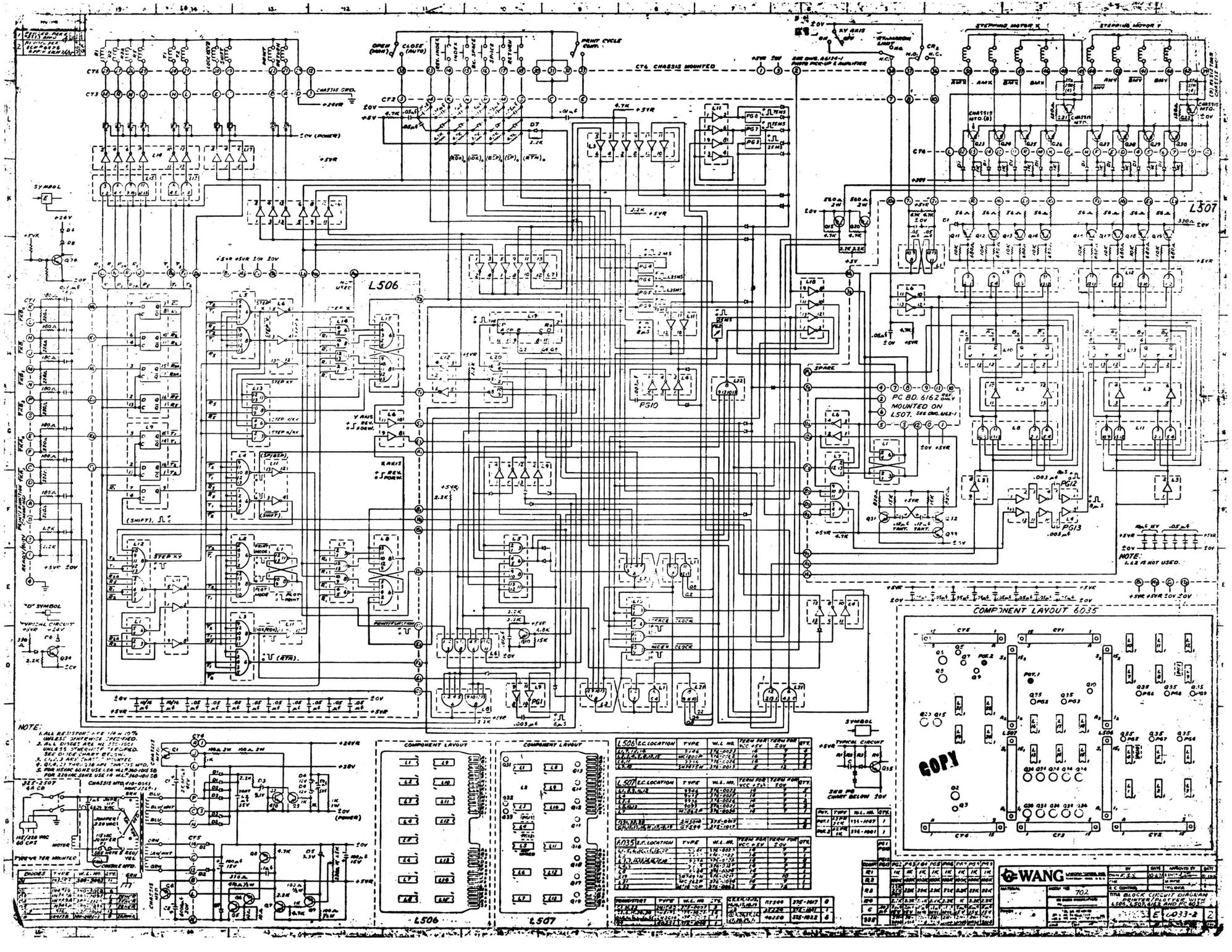
TITLE SCHEMATIC LOGIBLOC #352 POWER SUPPLY REGULATOR

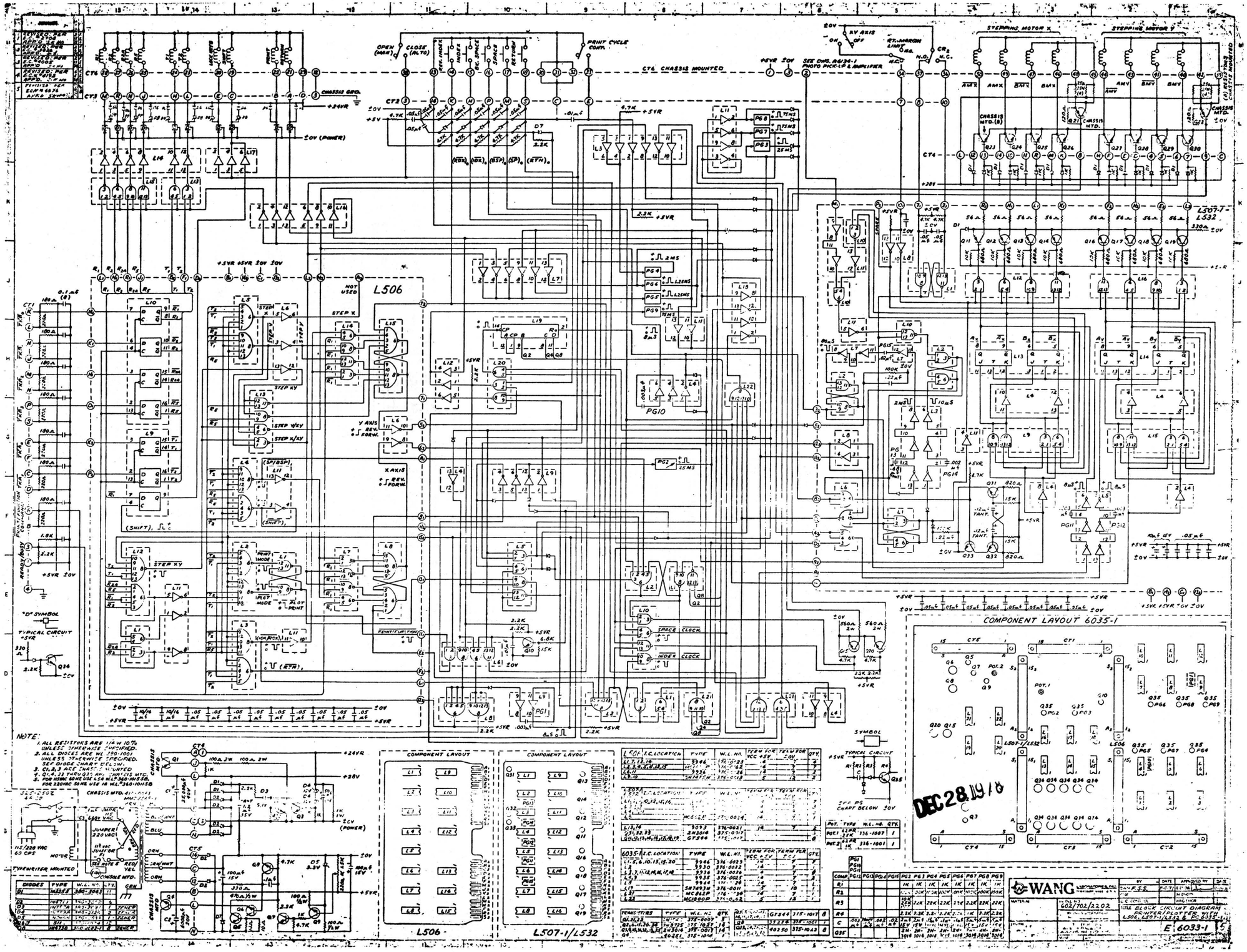
2[illegible]352	C	6496	4
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

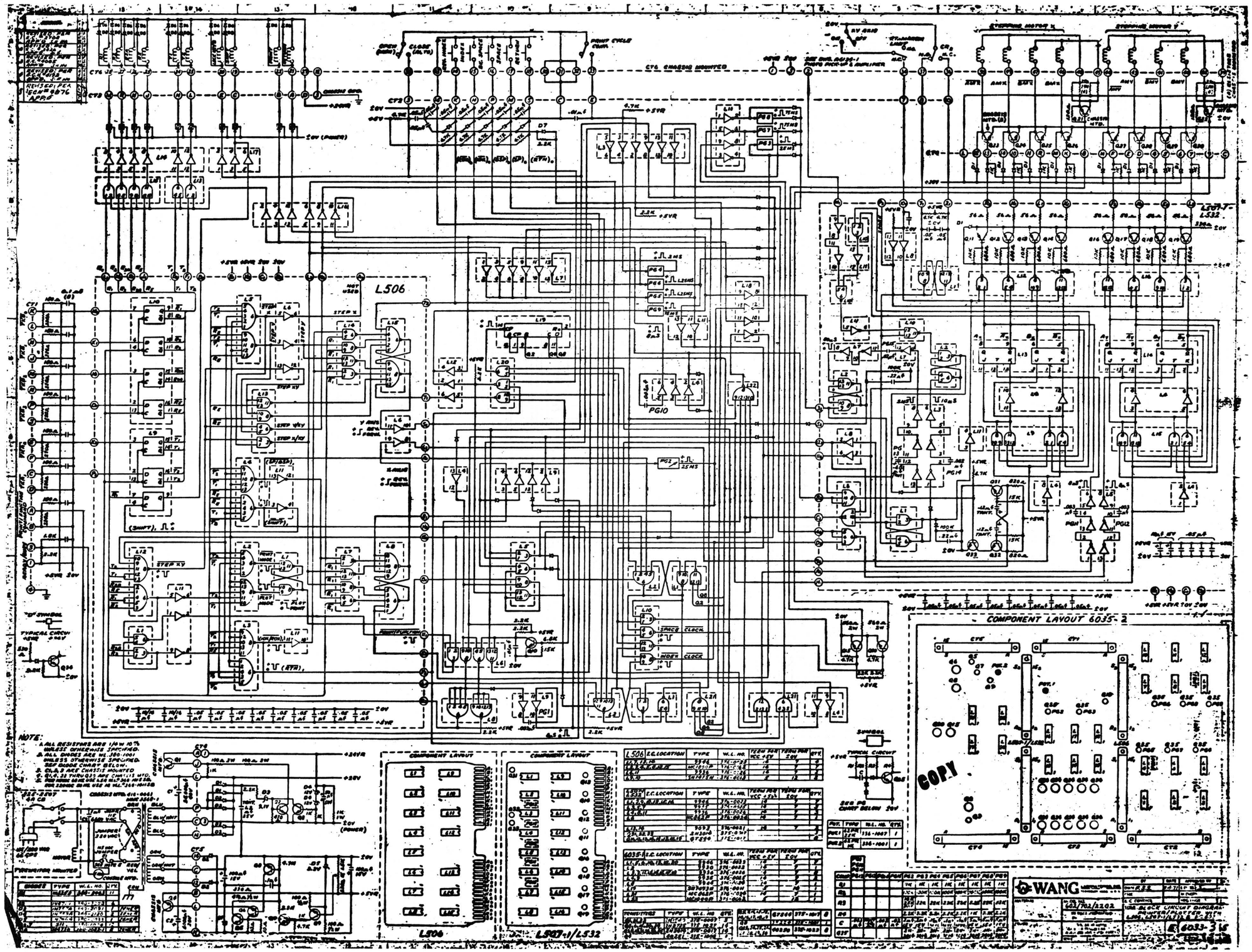
E.ECN. 3

9647 D


L506
L507
L1507
COMPONENT LAYOUT 6035
NOTE:
1. ALL RESISTORS ARE 1/6W 10% UNLESS OTHERWISE SPECIFIED.
2. ALL DIODES ARE WL 380-1001 UNLESS OTHERWISE SPECIFIED. SEE DIODE CHART BELOW.
3. C1,2,3 ARE CHASSIS MOUNTED
4. Q1,4,23 THRU Q10 ARE CHASSIS MTD.
5. FOR 115 VAC 60 HZ USE 1.1A W.L.# 360-1015SB FOR 220 VAC SCHE USE 1A W.L.# 360-1011 SB
NOTE: 1.L2 IS NOT USED.
DEC 28 1978
WANG LABORATORIES, INC.
MODEL NO. 6621 / 2262
TITLE BLOCK CIRCUIT DIAGRAM PRINTER/TYPEWRITER
DRAWING NUMBER 6633
SIZE D


L506
L507
L307
COMPONENT LAYOUT 6035
COMPONENT LAYOUT
COMPONENT LAYOUT
SYMBOL
TYPICAL CIRCUIT
SEE PB CHART BELOW
PC BD. 616 2 REQ'D MOUNTED ON L507. SEE DWG. 6163-1
NOTE: L42 IS NOT USED.
NOTE:
1. ALL RESISTORS ARE 1/4 W ±10% UNLESS OTHERWISE SPECIFIED.
3. ALL DIODES ARE IN 3SC-1001 UNLESS OTHERWISE SPECIFIED. SEE DIODE CHART BELOW.
4. C'S ≤ 1 ARE SHOWN IN MFD.
5. C'S > 1 ARE SHOWN IN MMFD.
6. FOR 115VAC 50HZ USE 1.5A WL# 350-1015 SB FOR 230VAC 50HZ USE 1A WL# 350-1011 SB
COPY
WANG
TITLE BLOCK CIRCUIT DIAGRAM PRINTER/PLOTTER WITH L506, L507, L42 AND PC 6163
E 6033-2
702


L506
L507-1/L532
COMPONENT LAYOUT 6035-1
STEPPING MOTOR X
STEPPING MOTOR Y
PRINT CYCLE CONT.
CT6 CHASSIS MOUNTED
CHASSIS GRD.
+24VR
±10V (POWER)
NOTE:
1. ALL RESISTORS ARE 1/4 W 10% UNLESS OTHERWISE SPECIFIED.
2. ALL DIODES ARE WL 350-1001 UNLESS OTHERWISE SPECIFIED. SEE DIODE CHART SHEET.
3. C1 & 2 ARE CHASSIS MOUNTED
4. Q1, 4, 23 THRU 30 ARE 2N4235 MTD. FOR 115VAC 60HZ USE 1.5A WL# 360-1015B, FOR 220VAC 50HZ USE 1A WL# 360-1011SB
5. Q34 IS 2N4235 MTD. ON HEAT SINK WL# 360-1012
6. Q35 IS 2N4235 MTD. ON HEAT SINK WL# 360-1013
DIODES
TYPE
W.L. NO.
QTY
TYPEWRITER MOUNTED
CONSOLE MTD.
SEE PG CHART BELOW
COMPONENT LAYOUT
L506
L507-1/L532
WANG LABORATORIES, INC.
602/702/2202
BLOCK CIRCUIT DIAGRAM PRINTER/PLOTTER WITH L506, L507-1/L532 & PC 6035
E 6033-1
DEC 28 1970


L506
L532
PG10
COMPONENT LAYOUT 6035-2
COPY
WANG
6035-3
NOTE:

C FOR PG		
DWELL TIME	C TOL.	QTY
25 MS	5.6 μF	4
75 MS	18 μF	2
150 MS	33 μF	2
250 MS	47 μF	1

COMPONENT	SIZE/TYPE	QTY
R1	680 Ω	2
R2	10K	2
R3	56 Ω	2
R4, 7, 11	1K	11
R5	330 Ω	13
R6	2.2K	13
R8, 9, 12	18K 5%	17
R10, 14	1.5K	9
R13	25K POT	1
R15	4.7K	1
C	SEE CHART	
D4–D118	380-1041	122
D1, D2, D3	380-1004	3
Q2, 3	2N3725	15
Q1, 11, 12	GT544	4
Q 7, 10	2N5189	2
Q4, 5, 6, 8, 13	2N3014	18
Q9	35224	1

NOTE:
1. ALL DIODES ARE WL380-100 EXCEPT AS NOTED (QTY 122)
2. ALL RESISTORS ¼W EXCEPT AS NOTED.

6 REV. 2-29-72 JAS
PER ECN #2787 ADDED 0.1 μF CAP. AND 1MEG RESISTOR BETWEEN CHASSIS GND AND ±0V APP'D - SKH

G REV. 6-11-73 JAS
PER ECN #3647 Q2, 3 WERE 2N5189 APP'D - SKH

LOCATION	TYPE & MFR'R	TERM. No. Vcc +5V	TERM. No. ±0V	QTY
L4,3,4,8	MC836P OR 9936 MOTOROLA FAIRCHILD	14	7	4
L1,6,12,15	MC840P OR 9935 MOTOROLA FAIRCHILD	14	7	3
L5	SN74H05N TEXAS INST.	14	7	1
L2,6,7	MC846P OR 9946 MOTOROLA FAIRCHILD	14	7	3
L9	MC862P 9962 MOTOROLA FAIRCHILD	14	7	1
L10	MC8946 OR 9944 MOTOROLA FAIRCHILD	14	7	1
L13, 14	SN7475N TEXAS INST.	14	7	2

REV. B 7/19/72 JAS
PER ECO #4023
APP'D J.N.

REV. 9 6-23-75
PER ECN # 4977 JAS
APP'D

1-REV. 6/20/70 JAS
PER ECN 1523 APP. RJT

2-REV. 6/23/70 JAS
PER ECO 1595 ADDED CAP VALUE 10/16V
APP. RJT

3-REV. 6/25/70 JAS
PER ECN 1599 ADDED 2 DIODES TO RL-2 COIL CIRCUIT, AND REMOVED 5-MF 15V CAP.
APP. RJT

4-REV. 5/13/71 JAS
PER ECN #1896 CAP. BETWEEN LOGIC 20V TO +5VR WAS 100 μF/15VDC NOW 50 μF/50VDC. APP: RT

5 ECN 10-4-71 PER ECO #1893 JAS

DEC 07 1978

ORIGIN	QTY	NAME	MATERIAL	DESCRIPTION
			DR.	DATE 3/16/70
			CHK. RJT	DATE 4-17-70
			APPD.	DATE 4-17-70

WANG LABORATORIES, INC.
TEWKSBURY, MASS. U.S.A.

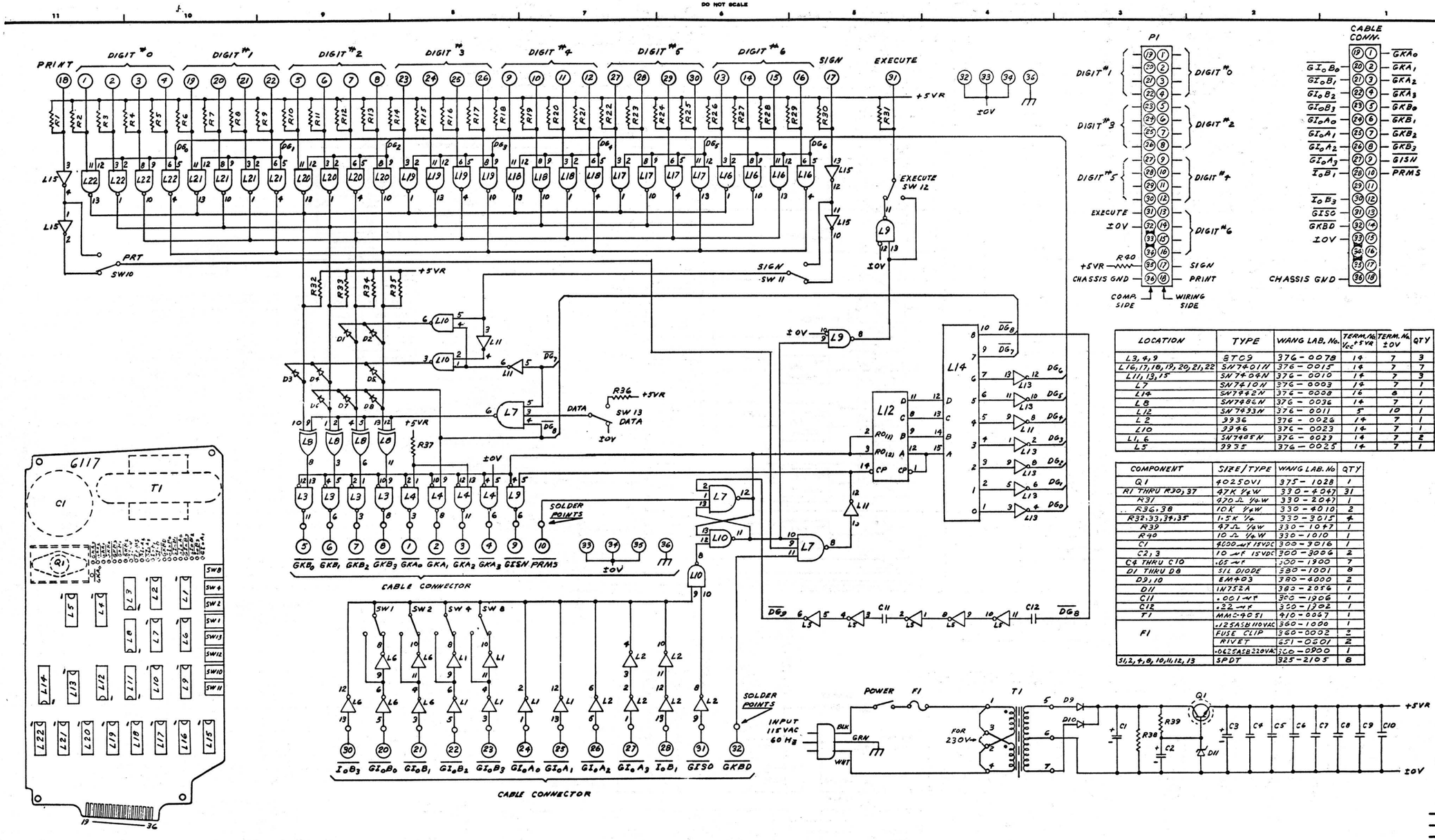
ORDER No. 601/701/2201 W.O. No. SCALE SHEET 00

TITLE SCHEMATIC LOGIBLOC OUTPUT WRITER 6053

PART NUMBER	REV	SIZE	DRAWING NUMBER
210-6053-1	10	D	6053

SH. 4 OF 5

DO NOT SCALE



LOCATION	TYPE	WANG LAB. No.	TERM. No. V_{CC} +5VR	TERM. No. ±0V	QTY
L3, 4, 9	8T09	376-0078	14	7	3
L16, 17, 18, 19, 20, 21, 22	SN7401N	376-0015	14	7	7
L11, 13, 15	SN7404N	376-0010	14	7	3
L7	SN7410N	376-0003	14	7	1
L14	SN7442N	376-0008	16	8	1
L8	SN7486N	376-0036	14	7	1
L12	SN7493N	376-0011	5	10	1
L2	9336	376-0026	14	7	1
L10	9346	376-0023	16	7	1
L1, 6	SN7405N	376-0027	14	7	2
L5	9935	376-0025	14	7	1

COMPONENT	SIZE/TYPE	WANG LAB. No	QTY
Q1	40250V1	375-1028	1
R1 THRU R30, 37	47K ¼W	330-4047	31
R31	470Ω ¼W	330-2047	1
R36, 38	10K ¼W	330-4010	2
R32, 33, 34, 35	1.5K ¼	330-3015	4
R39	47Ω ¼W	330-1047	1
R40	10Ω ¼W	330-1010	1
C1	4000 MF 15VDC	300-3016	1
C2, 3	10 MF 15VDC	300-3006	2
C4 THRU C10	.05 MF	300-1900	7
D1 THRU D8	SIL DIODE	380-1001	8
D9, 10	BAW23	380-4000	2
D11	IN752A	380-2056	1
C11	.001 MF	300-1906	1
C12	.22 MF	300-1702	1
T1	MMS-9051	410-0067	1
F1	.125A SB 110VAC	360-1000	1
	FUSE CLIP	360-0002	2
	RIVET	651-0501	2
	.0625A SB 220VAC	360-0900	1
S1, 2, 4, 8, 10, 11, 12, 13	SPDT	325-2105	8

REV	BY	REVISION
A	D	

IDENT	QTY	NAME	MATERIAL	DESCRIPTION
				DR DATE 7/2/71
				CHK DATE 7/7/71
				APPD DATE 10/6/71

TOL. EX. AS NOTED .XX ±.010 .XXX ±.005 FINISH ANSI 25 SW RMS 21/64 MATERIAL FINISH

WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.

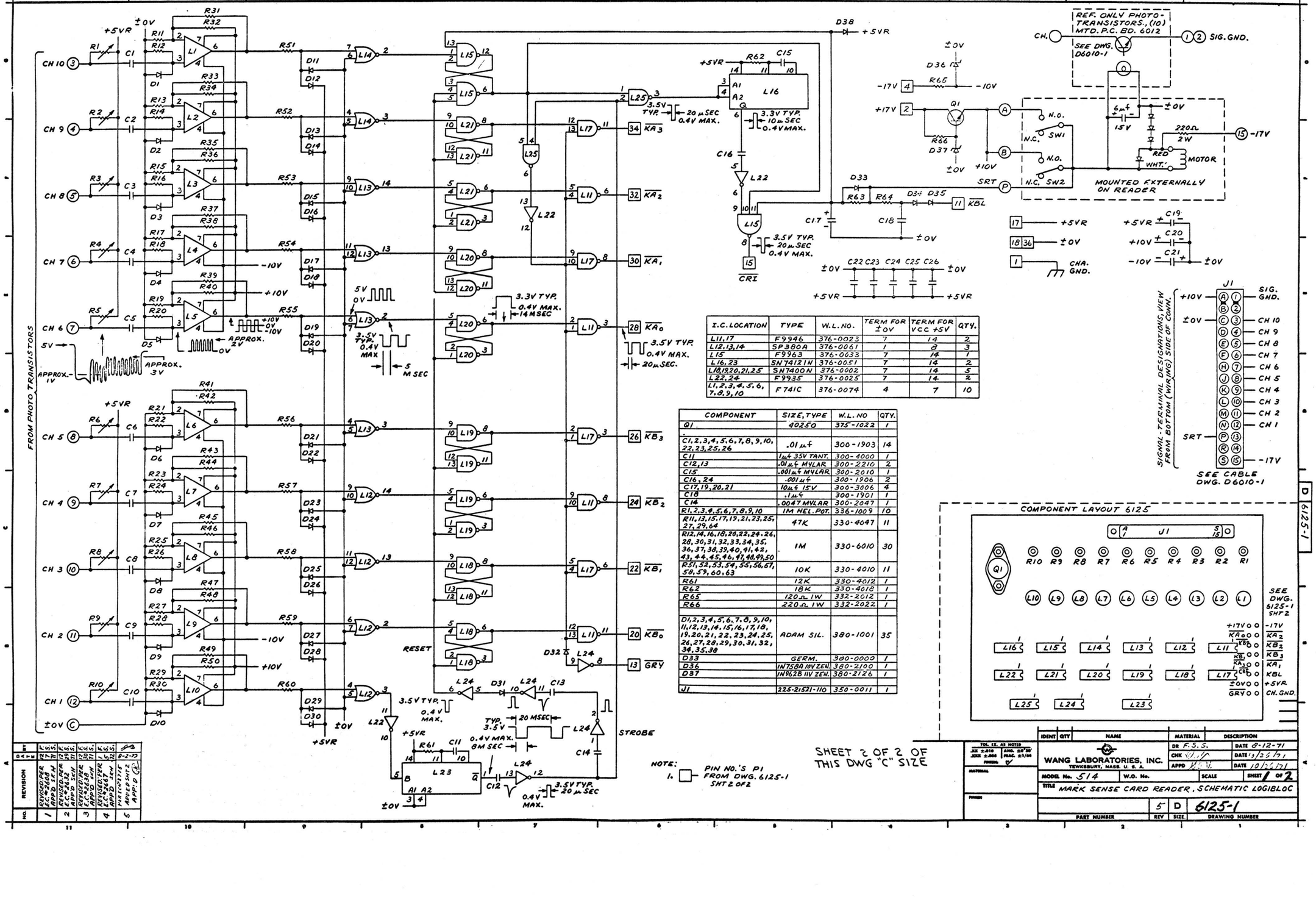
MODEL No. 705 W.O. No. SCALE NONE SHEET OF

TITLE SCHEMATIC, LOGIBLOC, INTERFACE 6117

PART NUMBER 6117-1 REV D SIZE DRAWING NUMBER

6117-1

DO NOT SCALE



I.C. LOCATION	TYPE	W.L. NO.	TERM FOR ±0V	TERM FOR VCC +5V	QTY.
L11,17	F9946	376-0023	7	14	2
L12,13,14	SP380A	376-0061	1	2	3
L15	F9963	376-0033	7	14	1
L16,23	SN7412N	376-0051	7	14	2
L18,19,20,21,25	SN7400N	376-0002	7	14	5
L22,24	F9935	376-0025	7	14	2
L1,2,3,4,5,6, 7,8,9,10	F741C	376-0074	4	7	10

COMPONENT	SIZE, TYPE	W.L. NO	QTY.
Q1	40250	375-1022	1
C1,2,3,4,5,6,7,8,9,10, 22,23,25,26	.01 μf	300-1903	14
C11	1μf 35V TANT.	300-4000	1
C12,13	.01μf MYLAR	300-2210	2
C15	.001μf MYLAR	300-2010	1
C16,24	.001μf	300-1906	2
C17,19,20,21	10μf 15V	300-3006	4
C18	.1μf	300-1901	1
C14	.0047 MYLAR	300-2047	1
R1,2,3,4,5,6,7,8,9,10	1M HEL. POT.	336-1009	10
R11,13,15,17,19,21,23,25, 27,29,64	47K	330-4047	11
R12,14,16,18,20,22,24,26, 28,30,31,32,33,34,35, 36,37,38,39,40,41,42, 43,44,45,46,47,48,49,50	1M	330-6010	30
R51,52,53,54,55,56,57, 58,59,60,63	10K	330-4010	11
R61	12K	330-4012	1
R62	18K	330-4018	1
R65	120Ω 1W	332-2012	1
R66	220Ω 1W	332-2022	1
D1,2,3,4,5,6,7,8,9,10, 11,12,13,14,15,16,17,18, 19,20,21,22,23,24,25, 26,27,28,29,30,31,32, 34,35,38	ADAM SIL.	380-1001	35
D33	GERM.	380-0000	1
D36	IN758A 10V ZEN.	380-2100	1
D37	IN962B 11V ZEN.	380-2126	1
J1	225-21521-110	350-0011	1

NO.	REVISION	BY	O A I M
1	REVISED PER ECO #2608 ADDED SHT 2	F.S.S.	12 7 11
2	REVISED PER ECO #2632 ADDED SCH	F.S.S.	1 9 11
3	REVISED PER ECO #2647 ADDED SCH	F.S.S.	12 5 11
4	REVISED PER ECO #2667 ADDED SHT 2	F.S.S.	1 5 12
5	PATENTITE APLD SHT 2 APP'D	F.S.S.	8-2-73

SHEET 2 OF 2 OF THIS DWG "C" SIZE

TOL. EX. AS NOTED .XX ±.010 .XXX ±.005 FINISH ANGS. ±0°30' PROJ. ±1/2°

MATERIAL

FINISH

WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.

IDENT	QTY	NAME	MATERIAL	DESCRIPTION
		DR F.S.S.		DATE 8-12-71
		CHK		DATE 9/25/71
		APPD		DATE 10/26/71

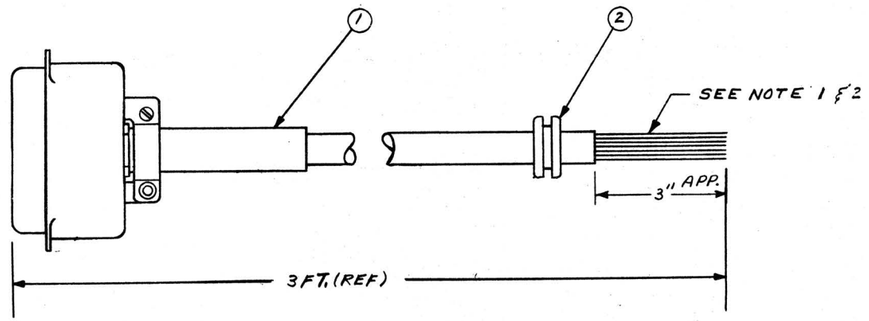
MODEL No. 514 | W.O. No. | SCALE | SHEET 1 OF 2

TITLE MARK SENSE CARD READER, SCHEMATIC LOGIBLOC

PART NUMBER	REV	SIZE	DRAWING NUMBER
	5	D	6125-1

D 6125-1

REVISIONS



ASSEMBLY		CABLE	
SIGNAL	SEE DWG. 6125-1 FOR S.P.	WIRE NO.	PIN NO.
CH. GND.	—	1	1
+17	—	2	2
		3	3
-17V	—	4	4
		5	5
		6	6
		7	7
		8	8
		9	9
		10	10
KBL	—	11	11
		12	12
$\overline{GRY}$	—	13	13
		14	14
$\overline{CRI}$	—	15	15
		16	16
+5VR	—	17	17
±0V	—	18	18

ASSEMBLY		CABLE	
SIGNAL	SEE DWG. 6125-1 FOR S.P.	WIRE NO.	PIN NO.
		19	19
$\overline{KB_0}$	—	20	20
		21	21
$\overline{KB_1}$	—	22	22
		23	23
$\overline{KB_2}$	—	24	24
		25	25
$\overline{KB_3}$	—	26	26
		27	27
$\overline{KA_0}$	—	28	28
		29	29
$\overline{KA_1}$	—	30	30
		31	31
$\overline{KA_2}$	—	32	32
		33	33
$\overline{KA_3}$	—	34	34
		35	35
±0V	—	36	36

ITEM NO.	W.L. NO.	NAME	DESCRIPTION	QTY.
1	220-2636-3	CABLE ASS'Y TYPE 2	SEE DWG. CG4B2-2	1
2	254-1212	GROMMET	5/16 ID FOR 7/16 HOLE	1

NOTE:
1. ASSEMBLE ITEM NO. 2 TO ITEM NO. 1 PRIOR TO WIRING, STRIP OUTER INSULATION OF ITEM NO. 1 TO DIM. SHOWN
2. FOLD BACK ALL UNUSED WIRES AND TIE

SHEET 2 OF 2

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN		APP.	
514	F.S.S.	10-20-71	H.K.T.	
	CHECKED		APP.	

TITLE
MARK SENSE CARD READER INTERCONNECTING CABLE TO 500 CALC.

W.O. NO.	DWG. NO.	REV.
	C 6125-1	5

1-52190 ON DWG

DO NOT SCALE

FROM PHOTO TRANSISTORS

CN 10 ③ CN 9 ④ CN 8 ⑤ CN 7 ⑥ CN 6 ⑦ CN 5 ⑧ CN 4 ⑨ CN 3 ⑩ CN 2 ⑪ CN 1 ⑫ ±0V Ⓒ

+5VR ±0V R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 C1 C2 C3 C4 C5 C6 C7 C8 C9 C10

R11 R12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29 R30 R31 R32 R33 R34 R35 R36 R37 R38 R39 R40 R41 R42 R43 R44 R45 R46 R47 R48 R49 R50 R61

L1 L2 L3 L4 L5 L6 L7 L8 L9 L10

D1 D2 D3 D4 D5 D6 D7 D8 D9 D10

5V APPROX. 1V — APPROX. 3V — APPROX. 2V — 0V — +10V 0V -10V

R51 R52 R53 R54 R55 R56 R57 R58 R59 R60

D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21 D22 D23 D24 D25 D26 D27 D28 D29 D30

-10V +10V +5VR ±0V

GDRM 10

L11 L13 L14

5V 0V — 3.5V TYP. 0.4V MAX. — 5M SEC.

L27 L33 L39 L16 L17 L18 L19 L20 L15 L12

R61 R62 R63 R64 R65 R66

RESET

$\overline{GKA_3}$ 4 $\overline{GKA_2}$ 3 $\overline{GKA_1}$ 2 $\overline{GKA_0}$ 1

3.5V TYP. 0.4V MAX. 20μ SEC — 3.3V TYP. 0.4V MAX. 14 M SEC.

$\overline{GKB_3}$ 8 $\overline{GKB_2}$ 7 $\overline{GKB_1}$ 6 $\overline{GKB_0}$ 5

L25

±0V C13 D33 +5VR

L33 L30 L31 R70 +5VR 9 GISN

L32 L28 L29 L25 L26 L32 L29 L26 L28 L29 L26

L30 L33 26 $\overline{IOB_1}$ 30 $\overline{IOB_3}$

9 L32 8 11 GLRN

R72 D34

STROBE

L25 L24 L23 C16 C17 L23 C14 R71 D32 L23 C18 L21 C12 R68 D31 R69 +5VR C11 R67 L22 C15 L23 L25

L23 D35 R73 L30 R74 +5VR 8 MARK DECODE L31

L32

D36 D37 D38 D39 D40

L30 L30 L30

29 $\overline{GI_0A_0F_b}$ 25 $\overline{GI_0A_1F_b}$ 26 $\overline{GI_0A_2F_b}$ 27 $\overline{GI_0A_3F_b}$ 31 $\overline{GIS_0}$ (STROBE)

23 $\overline{GI_0B_3F_b}$ 22 $\overline{GI_0B_2F_b}$ 21 $\overline{GI_0B_1F_b}$ 20 $\overline{GI_0B_0F_b}$

33 34 35 ±0V 36 CHASSIS GND.

D41 D42 D43 D44 D45 D46 D47 D48 C19 C20 C21 C22 C23 C24 C25

R75 RMS MTD. EXT. 12V 24VRMS .6A 16V 12V +10V 3.5W +5VR ±0V

T1 JMPR 115VAC JMPR 115VAC JUMPER 230VAC F1

115VAC 60 ∿ 220VAC 50 ∿

±0V C25 C26 C27 C28 C29 C30 C31 ±0V +5VR +5VR

REF. ONLY PHOTO-TRANSISTORS (10) MYD. P.C. BD. 6012 SEE DWG. D6010-1 CH. 1 2 SIG. GND.

P SRT

6μf 15V ±0V SILICON DIODES WL. 380-1001.(4) 220Ω 2W RED WHT. MOTOR -17V

A N.O. N.C. SW1 B N.O. N.C. SW2 MOUNTED EXTERNALLY ON READER +10V

DEC 07 1978

NOTE: L PIN NO.'S PI FROM DWG. C6133.

REVISION										
	REVISED PER E.C.A. 2801 APPD. JKH	REVISED PER E.C.A. 2969 APPD. JKH	REVISED PER E.C.A. 2983 APPD. JKH	REVISED PER E.C.A. 3019 APPD. JKH	REVISED PER E.C.A. 3101 APPD. JKH	REVISED PER E.C.A. 3101 APPD. JKH	REVISED PER E.C.A. 3101 APPD. JKH	REVISED PER ECN 3595 APPD. JKH	PER ECO 2015 ADDED WIRING CHART APPD.	REVISED PER ECA 3770 APPD. JKH
E.K.								7-25-73	8-2-73	
	1	2	3	4	5	6	7	8	9	10

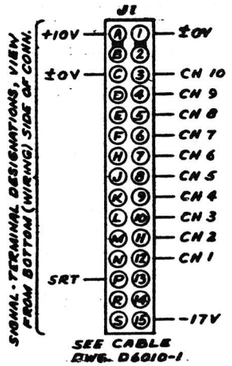
WANG LABORATORIES INC. TEWKSBURY, MASS.

714 — DRAWN ESS 11-2-7/ — APP. JKH — CHECKED — DWG.

SCHEMATIC LOGIBLOC MARK SENSE CARD READER

SHT 1 OF 2 — SIZE D — DWG. NO. 6127-1 — REV. 10

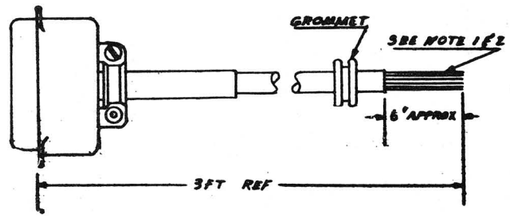
D 6127-1



COMPONENT	SIZE, TYPE	W.L. NO.	QTY.
C1,2,3,4,5,6,7,8,9,10	.01μf 25V	300-1903	10
C11	1μf 100V	300-2290	1
C12	.0022μf 100V	300-2022	1
C13,23,24,25	10μf 15V	300-3006	4
C14,16,17	.0047μf 100V	300-2047	3
C15,18	.01μf 100V	300-2110	2
C19	500μf 25V	300-3021	1
C20	3000μf 15V	300-3015	1
C21	100μf 25V	300-3033	1
C22,26,27,28,29,30,31	.05μf 12V	300-1900	7
R1,2,3,4,5,6,7,8,9,10	1M MEL. POT.	336-1009	10
R11,13,15,17,19,21, 23,25,27,29	47K 1/4W	330-4047	10
R12,14,16,18,20,22, 24,26,28,30,31,32, 33,34,35,36,37,38, 39,40,41,42,43,44, 45,46,47,48,49,50	1M 1/4W	330-6010	30
R51,52,53,54,55,56, 57,58,59,60,72	10K 1/4W	330-4010	11
R61,62,63,64,65,66	2.7Ω 1/4W	330-3027	6
R67	18K 1/4W	330-4018	1
R68,71	39K 1/4W	330-4039	2
R69	5.6K 1/4W	330-3056	1
R70,74	4.7K 1/4W	330-3047	2
R73	1K 1/2W	331-3010	1
R75	120Ω 1/2W	331-2012	1
R76	220Ω 1W	332-2022	1

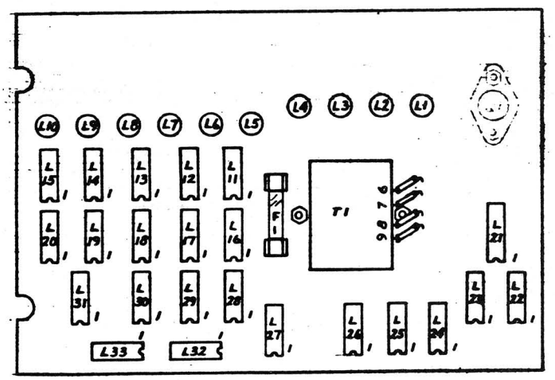
COMPONENT	SIZE, TYPE	W.L. NO.	QTY.
D1,2,3,4,5,6,7,8,9,10, 11,12,13,14,15,16,17, 18,19,20,21,22,23,24, 25,26,27,28,29,30, 31,32,35,36,37,38,39,40	ADAM SIL.	380-1001	38
D33,34	GERM	380-0000	2
D41,42,43,44,45	EM403 REC.	380-4000	5
D46	IN758A 10V ZEN	380-2100	1
D47	IN4744 11V ZEN	380-2110	1
D48	IN4733A 5.1V ZEN	380-2052	1
T1	MMC4234	410-0071	1
J1	225-21521-110	350-0011	1
F1	6/10 AMP	360-1006	1
F1-CLIP	100-200-4A-1	360-0002	2
TUBING	3/16 PVC	605-0011	A/R
PWR. CABLE	3 COND. 6FT.	420-1000	1
GROMMET	3/8 ID FOR 1/2 HOLE	654-1202	2
CABLE ASS'Y TYPE 2	C64-82-2	220-2636-3	1

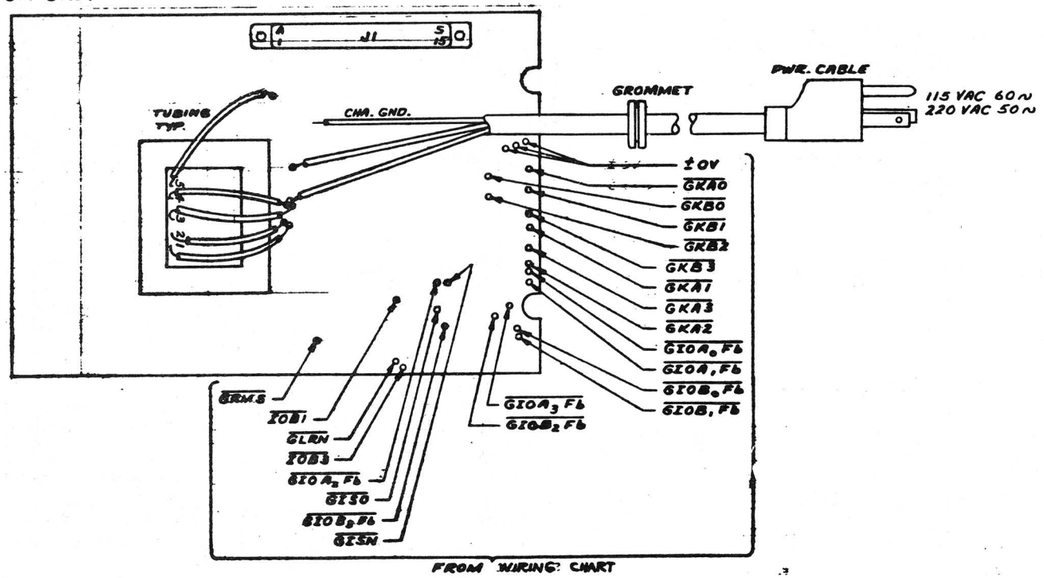
I.C. LOCATION	TYPE	W.L. NO.	TERM FOR ±0V	TERM FOR VCC +5V	QTY.
L1,2,3,4,5,6,7,8,9,10	F741C	376-0074			10
L11,13,14	SP380A	376-0061	1	8	3
L12	SN7430N	376-0031	7	14	1
L15,20	F9946	376-0023	7	14	2
L16,17,18,19,28,32,33	SN7400N	376-0002	7	14	7
L21	SN74123N	376-0080	8	16	1
L22	SN74121N	376-0051	7	14	1
L23	F9935	376-0025	7	14	1
L24	SN7451N	376-0012	7	14	1
L25,30	SN7404N	376-0010	7	14	2
L26,29	SN7410N	376-0003	7	14	2
L27	SN7420N	376-0004	7	14	1
L31	F9944	376-0024	7	14	1



NOTE:-
1. ASSEMBLE GROMMET TO CABLE PRIOR TO WIRING; STRIP OUTER INSULATION TO DIM. SHOWN.
2. FOLD BACK ALL UNUSED WIRES AND TIE.

COMPONENT LAYOUT FOR 6127





CABLE WIRING CHART

SIGNAL	WIRE NO. (REF.)	PIN NO. (REF.)	SIGNAL	WIRE NO. (REF.)	PIN NO. (REF.)
GKA0	1	1		19	19
GKA1	2	2	GIOB0	20	20
GKA2	3	3	GIOB1	21	21
GKA3	4	4	GIOB2	22	22
GKB0	5	5	GIOB3	23	23
GKB1	6	6	GIOA0	24	24
GKB2	7	7	GIOA1	25	25
GKB3	8	8	GIOA2	26	26
GISN	9	9	GIOA3	27	27
PRMS	10	10	IOB1	28	28
GLRN	11	11		29	29
	12	12	IOB3	30	30
	13	13	GISO	31	31
	14	14		32	32
	15	15	±0V	33	33
	16	16	±0V	34	34
	17	17	±0V	35	35
	18	18	CH. GND.	36	36

DEC 07 1978

WANG LABORATORIES INC. TEWKSBURY, MASS.			
SHEET NO. 714	DRAWN F.S.S.	11-5-71	APP. [illegible]
	DESIGNED		APP.
TITLE SCHEMATIC LOGIBLOC MARK SENSE CARD READER			
SHT 2 OF 2	DWG. NO. D 6127-1		REV. 10

DO NOT SCALE

FROM PHOTO TRANSISTORS

CH 10 ③ CH 9 ④ CH 8 ⑤ CH 7 ⑥ CH 6 ⑦ CH 5 ⑧ CH 4 ⑨ CH 3 ⑩ CH 2 ⑪ CH 1 ⑫

+5VR ±0V -10V +10V

APPROX. 1V APPROX. 3V APPROX. 2V 5V 0V

3.5V TYP. 0.4V MAX. 5M SEC.

3.5V TYP. 0.4V MAX. 20μ SEC

3.3V TYP. 0.4V MAX. 14M SEC.

GDRN 10

RESET

STROBE

GLRN 11

GKA3 4 GKA2 3 GKA1 2 GKA0 1

GKB3 8 GKB2 7 GKB1 6 GKB0 5

GISN 9

GI0B3F6 23 GI0B2F6 22 GI0B1F6 21 GI0B0F6 20

GI0A3F6 24 GI0A2F6 25 GI0A1F6 26 GI0A0F6 27

GIS0 (STROBE) 31

±0V 33 34 35 CHASSIS GND. 34

T1 JMPR 115VAC JMPR 115VAC JUMPER 230VAC F1

115VAC 60~ 230VAC 60~

-10V ±0V +10V ±2.5W +5VR ±0V +7V

C25 C26 C27 C28 C29 C30 C31

REF. ONLY PHOTO-TRANSISTORS (10) MTD. P.C. BD. 6012 SEE DWG. D6010-1 CH. SIG. GND.

SRT

±0V SILICON DIODES W.L. 380-4001 (4) 220Ω 2W

N.C. SW1 N.O. SW2 MOUNTED EXTERNALLY ON READER

+10V RED WHT MOTOR

MARK DECODE

NOTE: 1. PIN NO.'S P1 FROM DWG. C6482-

DEC 28 1978

JAN 08 1979

REVISION	BY	CHK'D	APP'D	DATE
1 REVISED PER EC #2601 APPD JKH				
2 REVISED PER EC #2609 APPD JKH				
3 REVISED PER EC #2634 APPD JKH				
4 REVISED PER EC #2640 APPD JKH				
5 REVISED PER EC #2650 APPD JKH				
6 REVISED PER EC #2730 APPD JKH				
7 REVISED PER EC #2750 APPD JKH				
8 REVISED PER ENG. CHG. NOTICE APPD JKH				
9 REVISED PER ECO 1100 APPD JKH				

WANG LABORATORIES INC. TEWKSBURY, MASS.

MODEL NO. 614 DRAWN ESS 11-2-71 APP'D JKH CHECKED APP'D

TITLE SCHEMATIC LOGIBLOC MARK SENSE CARD READER

SHT 1 OF 2 DWG. NO. D 6127-2 REV 9

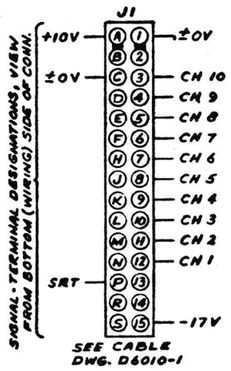
6127-1

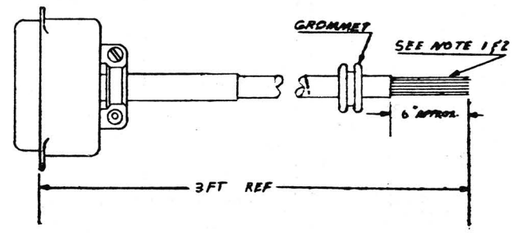
COMPONENT	SIZE, TYPE	W.L. NO.	QTY.
C1,2,3,4,5,6,7,8,9,10	.01μf 25V	380-1803	10
C11	1μf 100V	300-2290	1
C12	.0022μf 100V	300-2022	1
C13,23,24,25	10μf 15V	300-3006	4
C14,17	.0047μf 100V	300-2047	2
C15,16,18	.01μf 100V	300-2110	3
C19	500μf 25V	300-3021	1
C20	3000μf 15V	300-3015	1
C21	100μf 25V	300-3033	1
C22,26,27,28,29,30,31	.05μf 12V	300-1900	7
R1,2,3,4,5,6,7,8,9,10	1M HEL. POT.	336-1009	10
R11,13,15,17,19,21, 23,25,27,29	47K 1/4W	330-4047	10
R12,14,16,18,20,22, 24,26,28,30,31,32, 33,34,35,36,37,38, 39,40,41,42,43,44, 45,46,47,48,49,50	1M 1/4W	330-6010	30
R51,52,53,54,55,56, 57,58,59,60,72	10K 1/4W	330-4010	11
R61,62,63,64,65,66	2.7Ω 1/4W	330-3027	6
R67	12K 1/4W	330-4012	1
R68,71	39K 1/4W	330-4039	2
R69	5.6K 1/4W	330-3056	1
R70,74	4.7K 1/4W	330-3047	2
R73	1K 1/2W	331-3010	1
R75	120Ω 1/2W	331-2012	1
R76	220Ω 1W	332-2022	1

COMPONENT	SIZE, TYPE	W.L. NO.	QTY.
C1,2,3,4,5,6,7,8,9,10, 11,12,13,14,15,16,17, 18,19,20,21,22,23,24, 25,26,27,28,29,30, 31,32,33,34,37,38,39,40	ADAM SIL.	380-1001	38
D33,34	GERM	380-0000	2
D41,42,43,44,45	EM403 REC.	380-4000	5
D46	IN758A 10V ZEN	380-2100	1
D47	IN4741 11V ZEN	380-2110	1
D48	IN4733A 5.1V ZEN	380-2052	1
T1	MMC4234	410-0071	1
U1	225-2152-110	350-0011	1
F1	6/10 AMP	360-1006	1
F1-CLIP	100-200-4A-1	360-0022	2
TUBING	#14 PVC	605-0011	N/R
PWR. CABLE	3 COND. 6 FT.	420-1000	1
GROMMET	3/8 ID FOR 1/2 HOLE	654-1202	2
CABLE ASSY TYPE 2	C6982-2	220-2636-3	1

I.C. LOCATION	TYPE	W.L. NO.	TERM FOR ±0V	TERM FOR VCC +5V	QTY.
L1,2,3,4,5,6,7,8,9,10	F741C	376-0074			10
L11,13,14	SP380A	376-0061	1	8	3
L12	SN7430N	376-0031	7	14	1
L15,20	F9946	376-0023	7	14	2
L16,17,18,19,28,32,33	SN7400N	376-0002	7	14	7
L21	SN74123N	376-0080	8	16	1
L22	SN74121N	376-0051	7	14	1
L23	F9935	376-0025	7	14	1
L24	SN7451N	376-0012	7	14	1
L25,30	SN7404N	376-0010	7	14	2
L26,29	SN7410N	376-0003	7	14	2
L27	SN7420N	376-0004	7	14	1
L31	F9944	376-0024	7	14	1

NOTE:
1. ASSEMBLE GROMMET TO CABLE PRIOR TO WIRING, STRIP OUTER INSULATION TO DIM. SHOWN
2. FOLD BACK ALL UNUSED WIRES AND TIE.



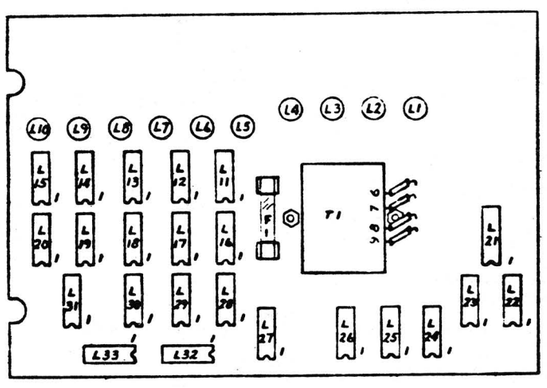


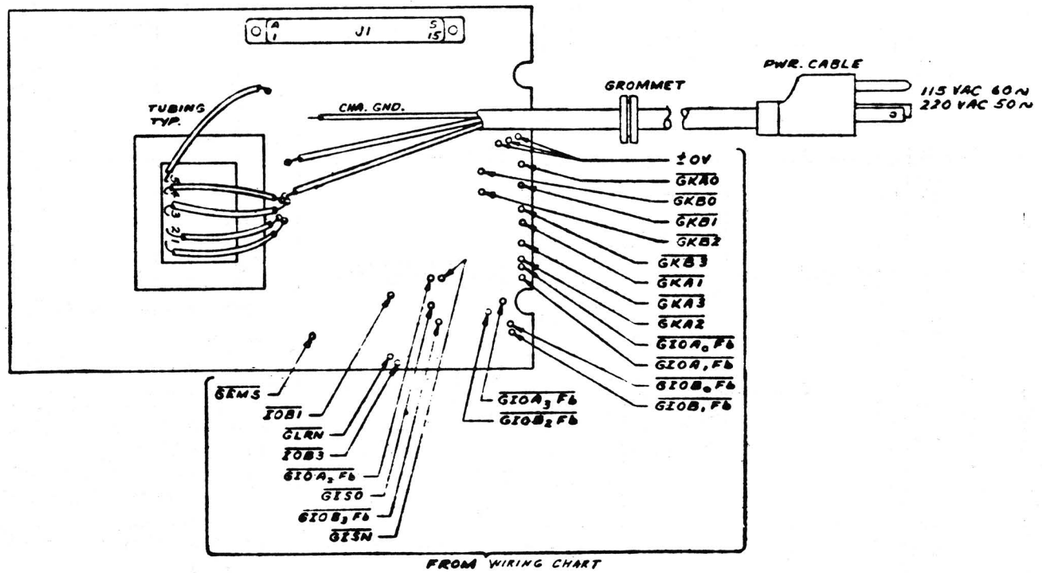
CABLE WIRING CHART

SIGNAL	WIRE NO. (REF.)	PIN NO. (REF.)
	*	1
$\overline{GKA2}$	2	2
$\overline{GKA1}$	3	3
$\overline{GKA3}$	4	4
$\overline{GKB0}$	5	5
$\overline{GKB1}$	6	6
$\overline{GKB2}$	7	7
$\overline{GKB3}$	8	8
$\overline{GISN}$	9	9
PPMS	10	10
$\overline{GLRN}$	11	11
	12	12
	13	13
	14	14
	15	15
	16	16
	17	17
	18	18

SIGNAL	WIRE NO. (REF.)	PIN NO. (REF.)
	19	19
$\overline{GIOB3}$	20	20
$\overline{GIOB1}$	21	21
$\overline{GIOB2}$	22	22
$\overline{GIOB3}$	23	23
$\overline{GIOA0}$	24	24
$\overline{GIOA1}$	25	25
$\overline{GIOA2}$	26	26
$\overline{GIOA3}$	27	27
$\overline{IOB1}$	28	28
	29	29
$\overline{IOB3}$	30	30
$\overline{GISO}$	31	31
	32	32
±0V	33	33
±0V	34	34
±0V	35	35
CH. GND.	37	37

COMPONENT LAYOUT FOR 6127





DEC 28 1978

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED
9	REFERENCES TO REAR WIRING CHART ADDED	6-4-79	

WANG LABORATORIES INC.
TEWKSBURY, MASS.

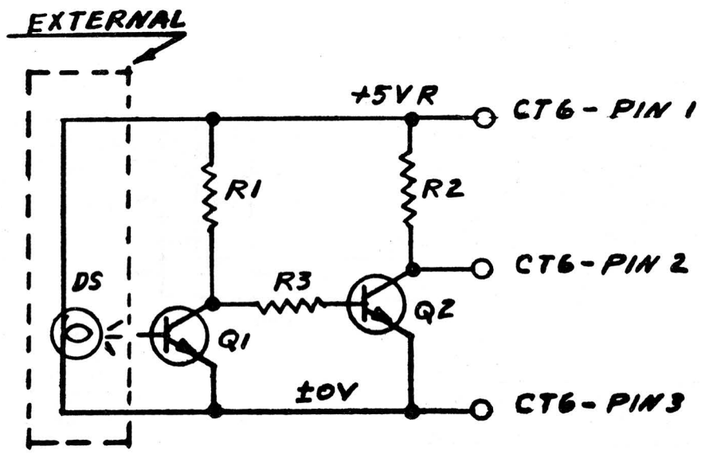
SCALE NO.	DRAWN	DATE	APP.
614	FSS	11-5-71	
	CHECKED		DATE

TITLE
SCHEMATIC LOGIBLOC
MARK SENSE CARD READER

SHT 2 OF 2 | SIZE D | DWG. NO. 6127-2 | REV 9

D 6127-2

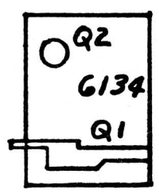
DO NOT SCALE



COMP.	SIZE/TYPE	WANG PART No.	QTY
R1	47K 1/4W	330-4047	1
R2	4.7K 1/4W	330-3047	1
Q1	GS5G3	375-2100	1
Q2	2N3014	375-0017	1
DS	#9 LAMP	370-0015	1
R3	10Ω 1/4W	330-1010	1

REV. 1 AB 2-12-73
PER ECN 3509 R3 WAS 47K APP'D SAM

DEC 07 1978

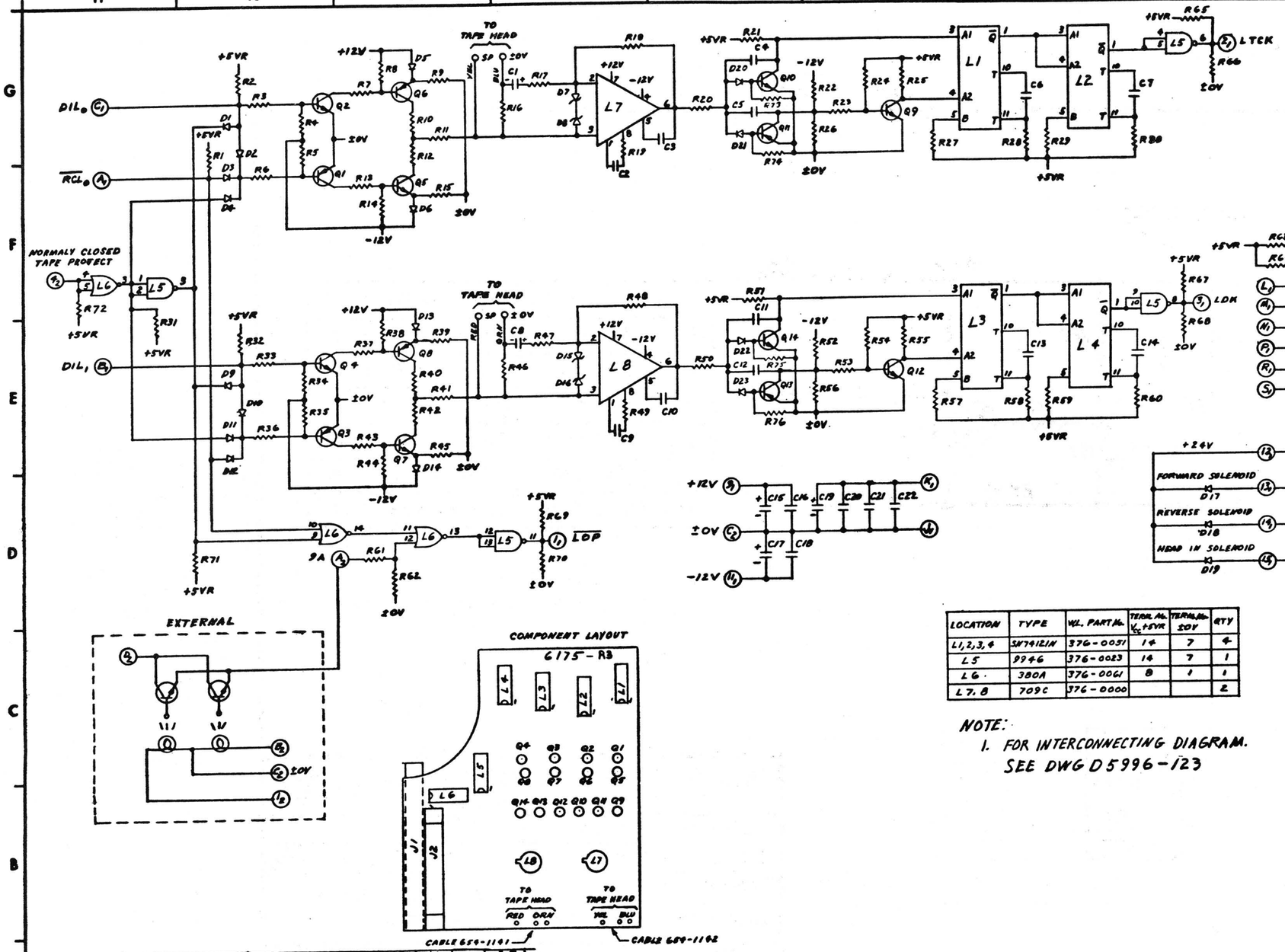


WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

MODEL NO.	DRAWN		APPD	
602/702/2202	CHECKED		APPD	12/3/71

TITLE SCHEMATIC, PHOTO-PICKUP AND #6134 AMPLIFIER FOR 702 PRINTER/PLOTTER

W.O. NO.	SCALE	DWG. NO.	REV
	NONE	A 6134-1	1



LOCATION	TYPE	WL. PART No.	TERM. No. +5VR	TERM. No. ±0V	QTY
L1,2,3,4	SN7491AN	376-0031	14	7	4
L5	9946	376-0023	14	7	1
L6	380A	376-0061	8	1	1
L7,8	709C	376-0000			2

NOTE:
1. FOR INTERCONNECTING DIAGRAM. SEE DWG D5996-123

COMPONENT	SIZE/TYPE	W.L. PART No.	QTY
R65,67,69	3.9K ¼W	330-3039	3
R30, 60	39K ½W RN65D	333-0037	2
R5, 35	47K ¼W	330-4047	2
R1,27,29,57,59,61	1K ¼W	330-3010	6
R2,7,13, 25,32, 37,43, 55, 71	10K ¼W	330-4010	9
R3, 6, 33, 36	6.8K ¼W	330-3068	4
R4, 34	56K Ω 1/4 W	330-4056	2
R66,68,70,16,26,46,50	4.7K ¼W	330-3047	7
R72, R8,M,31,38,44	2.2K ¼W	330-3022	6
R73,74,75,79,15,24,33,45,56	22K ¼W	330-4022	10
R10,11,12,40,41,42	4.2K ¼W	330-3012	6
R17, 47	82.0Ω 2% ½W	333-0042	2
R18, 48	120K 2% ½W	333-0048	2
R19, 49	4.5K ¼W	330-3015	2
R21, 51	15K ¼W	330-4015	2
R22,23,52,53	12K ¼W	330-4012	4
R24, 54	27K ¼W	330-4027	2
R28, 58, 62	39K ¼W	330-4039	3
R63,64	33Ω ½W	330-1033	2
C1, 8	18 MF 15VDC	300-4018	2
C2, 9	390 PF	300-1390	2
C3, 10	220 PF	300-1220	2
C4,5, 11, 12	47 pf	300-1047	4
C6, 13	.0022 MF	300-2022	2
C7, 14	1500 PF	300-5000	2
C15, 17, 19	10 MF 15VDC	300-3006	3
C16,18,20,21,22	.02 MF	300-1904	5
D20,21, D4,2,3,4,5,6, 22,23 9,10,11,12,13,14	SIL DIODE	380-1001	16
D17, 18, 19	SIL DIODE	380-1004	3
D7, 8, 15, 16	3.3V ZENER	380-2033	4
Q1, 3, 6, 8, H, 13	GT544	375-1017	6
Q2, 4, 5, 7, 10, 14	2N3014	375-0017	6
Q 9, 12	SIL TRANSISTOR	375-1005	2
Q1 THRU 14	TRANSIPAD	375-9004	14
J1	CONNECTOR	350-0011	1
J2	CONNECTOR	350-0028	1

REVISION	BY	DATE	ECN
1	PER ECN 3070 THIS PROTECT WAS ON (B) ADDED CIRCUIT LG, INVERT AND 2.2K RESISTOR. APP'D SEM	G-30-72	
2	REVISED PER ECO 3088 APP'D SEM	7-25-72	
3	REVISED PER ECN 3088 APP'D SEM	7-25-72	
4	REVISED PER ECN 3092 APP'D SEM	7-27-72	
5	REVISED PER E.C.N. 3098 APP'D SEM	7-27-72	
6	PER ECN 3171 Q10, 14 WAS 2N TRANSISTOR NOW APPLIED SEM	8-10-72	
7	PER ECN #3182 DELETED KEY BYPASS VIA'S ON J1 A.M.D. SEM	8-30-72	
8	PER ECN #3183 ADDED P32, 78 VIA APP'D SEM	8-30-72	
9	PER ECN #3269 -5V CONVERTER APP'D SEM	9-27-72	9-30-72
10	PER ECN #3268 R28,58 WAS 10K APP'D SEM	9-30-72	
11	REVISED PER ECN #3365 APP'D P.M.R.	10-16-72	
12	REVISED PER ECN #4396 APP'D P.M.R.	10-16-72	

E.REV. 9

DEC 07 1978

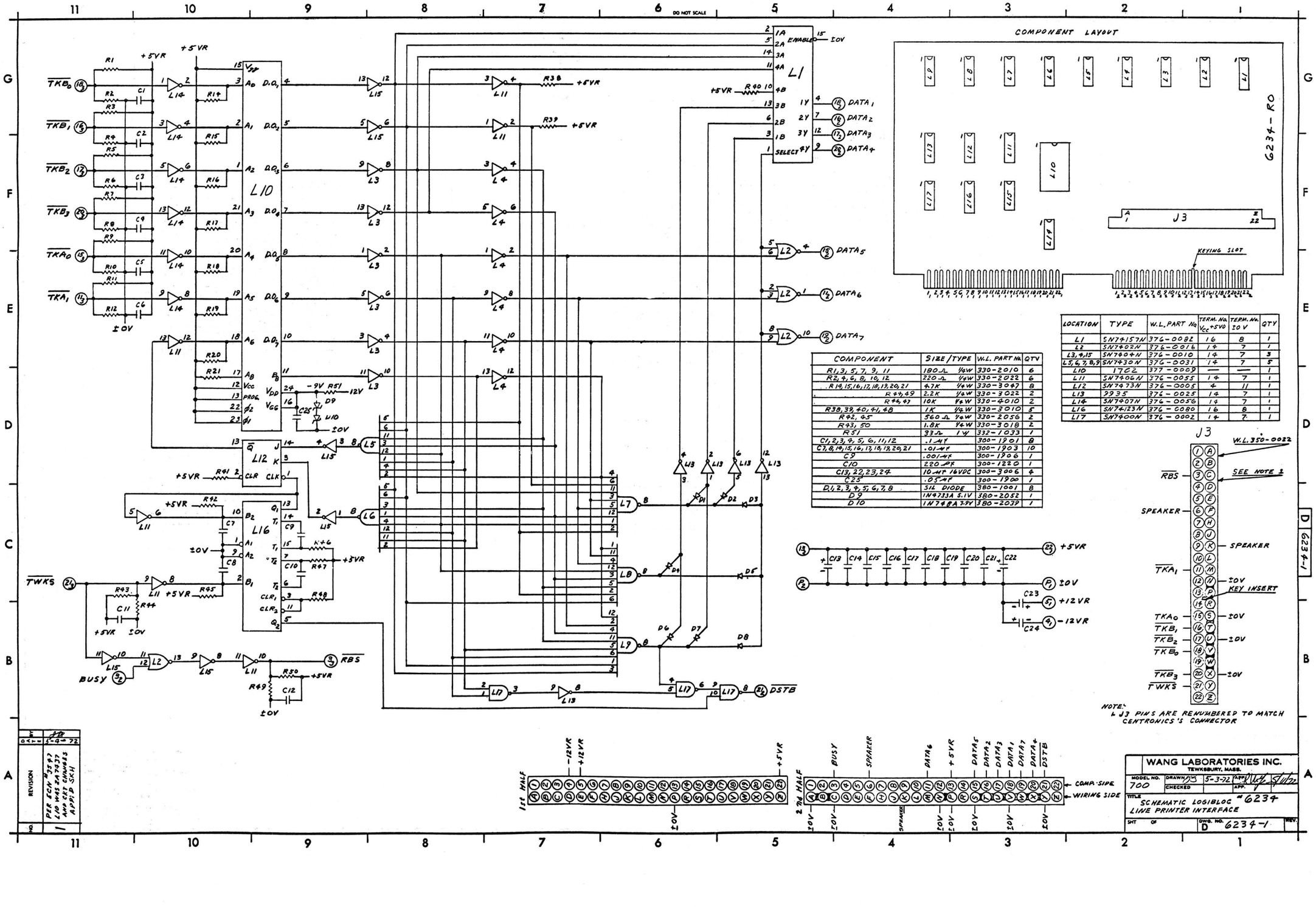
WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO. TD 24 | DRAWN | DATE 12/9/71 | APP'D | DATE 3/11/74
CHECKED | DATE 4-24-74 | APP'D

TITLE: SCHEMATIC DIAGRAM 6175 TAPE AMPLIFIER BOARD

SHT OF | DWG. NO. D 6175 | REV. 12

6175-1



COMPONENT	SIZE/TYPE	W.L. PART No.	QTY
R1, 3, 5, 7, 9, 11	180Ω ¼W	330-2010	6
R2, 4, 6, 8, 10, 12	220Ω ¼W	330-2022	6
R14, 15, 16, 17, 18, 19, 20, 21	4.7K ¼W	330-3047	8
R45, 49	2.2K ¼W	330-3022	2
R46, 47	10K ¼W	330-4010	2
R38, 39, 40, 41, 48	1K ¼W	330-3010	5
R42, 45	560Ω ¼W	330-2056	2
R43, 50	1.8K ¼W	330-3018	2
R51	33Ω 1W	332-1033	1
C1, 2, 3, 4, 5, 6, 11, 12	.1 MF	300-1901	8
C7, 8, 14, 15, 16, 17, 18, 19, 20, 21	.01 MF	300-1903	10
C9	.001 MF	300-1906	1
C10	220 PF	300-1220	1
C13, 22, 23, 24	10 MF 16VDC	300-3006	4
C25	.05 MF	300-1900	1
D1, 2, 3, 4, 5, 6, 7, 8	SIL DIODE	380-1001	8
D9	IN4733A 5.1V	380-2052	1
D10	IN748A 3.9V	380-2039	1

LOCATION	TYPE	W.L. PART No.	TERM. No. Vcc +5VR	TERM. No. ±0V	QTY
L1	SN74157N	376-0082	16	8	1
L2	SN7402N	376-0016	14	7	1
L3, 4, 15	SN7404N	376-0010	14	7	3
L5, 6, 7, 8, 9	SN7430N	376-0031	14	7	5
L10	1702	377-0009	—	—	1
L11	SN7406N	376-0055	14	7	1
L12	SN7473N	376-0005	4	11	1
L13	2935	376-0025	14	7	1
L14	SN7407N	376-0056	14	7	1
L16	SN74123N	376-0080	16	8	1
L17	SN7400N	376-0002	14	7	1

NO.	REVISION	BY	DATE
1	PER ECN #3293 L10 WAS 74S287 AND CKT CHANGES APP'D SCH	JTB	5-9-72

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO. 700 | DRAWN JTB 5-3-72 | CHECKED | APP.

TITLE SCHEMATIC LOGIBLOC #6234
LINE PRINTER INTERFACE

SHT OF | DWG. NO. D 6234-1 | REV.

D 6234-1

DO NOT SCALE

EXTERNAL 2N1540 (E1, C1, B1) — N BASE 24 — P +24VR

EXTERNAL T1

V10 45VAC — D1 — C1 — F +31.5V

GRY 0V — C ±0V

45VAC V10 — D2

BLK/YEL 24VAC — D3 — ARC+ — C2 — R2 — L540 Q11-C (3/2) — ARC+ (1/2)

RED/YEL 18VAC — EXTERNAL R1 — SP.GND — C3 — R3 — EXTERNAL 40250 (E3, C3, B3) — H

D4 — ARC− (5/2)

BRN/YEL COMMON — HLR (2/2) Q11-B (4/2)

WHT 14VAC — D5 — C9 — EXTERNAL 4024-1 (C2, E2, B2) — 2 +5VR — B +5VR — D BASE 5

BLK 0V

14VAC WHT — D6 — K +17V UR — E +17V UR

BLU 26VAC — C5 — 3 ±0V

BLU/YEL — D7

26VAC BLU — C6 — 11 −17V UR

J +13V RELAY — 14 +12V — 7 −13V — 13 −12V

115VAC 50/60 Hz — BLK — WHT — GRN/YEL — CHASSIS

F1 POWER — FL

115VAC — BRN

230VAC — RED

115VAC — ORN

YEL

M FAN

C7 — CHASSIS GND — 10V — R4

CHASSIS GND

PC BOARD 343

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY
R1	10Ω 10W	333-0046	1
R2,3	1K 2W	337-3010	2
R4	10K ½W	330-5010	1
C1	2600MF50V	300-3040	1
C2,3,5,6	1000MF50V	300-3055	4
C4	6000MF20V	300-3019	1
C7	.47MF 100V	300-2247	1
D1,2,5,6	A15	380-3004	4
D3,4	EM403	380-4000	2
D7	MDA970-1	380-4003	1
D8	DIODE GBR.	380-0000	1
T1	TRANSFORMER	410-0073	1
FL	LINE FILTER	410-2002	1
F1	2A	360-1020	1

SHEET	SIZE	REV.
1 OF 8	D	5
2 OF 8	D	6
3 OF 8	C	6
4 OF 8	C	6
5 OF 8	C	6
6 OF 8	D	2
7 OF 8	B	4
8 OF 8	C	6

NO.	REVISION	BY	DATE
1	PER ECN 3063 FUSE BEFORE SWITCH APP: JOH	PB	6/27/72
4	PER ECN #3488 REMOVED CH.GND FROM LINE FILTER APPLD SCH	PB	1-31-73
5	PER ECN #3715 8/24/73 APP: D	CB	8-7-73

WANG LABORATORIES INC. TEWKSBURY, MASS.

MODEL NO. 709 — DRAWN PB 5/30/72 — APP. SCHW 6/3/72 — CHECKED KT 6/7/72 — APP.

TITLE SCHEMATIC 6235 — POWER SUPPLY AND MOTHER BOARD

SHT 1 OF 8 — DWG. NO. D 6235-1 — REV. 5

D 6235-1

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY
Q1	2N4037	375-0018	1
Q2,Q3	NIXIE DRIVER	375-1006	2
Q4	35224	375-1001	1
Q5	40250	375-1028	1
Q6	2N6103(EXT.)	375-1075	1
R13,18,31	3.3K 1/4W	330-3033	3
R2,14,15	470Ω 1/4W	330-2047	3
R3,10,19	1K POT	336-1001	3
R4,20,39	2.7K 1/4W	330-3027	3
R5,11,23,34	4.7K 1/4W	330-3047	4
R7,8,36,37	10K, 1/2W	330-4010	4
R6	560Ω 1/4W	330-2056	1
R9	680Ω 1/4W	330-2068	1
R12	1.8K 1/4W	330-3018	1
R17	2.2Ω 1/2W	331-0022	1
R24	5.6K 1/4W	330-3056	1
R26	82K 1/4W	330-4082	1
R27	100K 1/4W	330-5010	1
R28	1M 1/4W	330-6010	1
R29	47K 1/4W	330-4047	1
R30	3.9K 1/4W	330-3039	1
R21,22,35,38	10K 1/4W	330-4010	6
C1	.01μF 25V	300-1903	1
C2,19-23	.05μF 12V	300-1900	6
C3,4,15,17	.01μF 200V	300-1904	4
C25,26(EXT)	1000MFD	300-3055	1
C5	100μF 25V	300-3026	1
C6,16	.1μF 10V	300-1901	2
C7	15μF 15V	300-3007	1
C8	560PF	300-1560	1
C9	120μF 15V	300-4031	1
C10,14	220PF	300-1220	2
C11	2.2μF 20V	300-4014	1
C12	50μF 50V	300-3010	1
C13	.0022μF 100V	300-2022	1
C18,24	10μF 15V	300-3006	2

LOCATION	TYPE	W.L. PART NO.	TERM. ASS'Y NO. & QTY.	TERM. ASS'Y NO. & QTY.	QTY.
L1,10,11	4A723	376-0066	8	5	3
L2	NE5566E	376-0112	8	1	1
L3	9935	376-0025	14	7	1
L4THRU9	N74193	376-0053	16	8	6
L12	9936	376-0026	14	7	1
L13	SN7410N	376-0003	14	7	1
L14	SN7400N	376-0002	14	7	1
L15	SN7420N	376-0004	14	7	1
L16	SN7402N	376-0016	14	7	1
L17	SN7404N	376-0010	14	7	1
L18,19	MP1812A	725-0400			2
L18,19	16 PIN SKT.	376-0006			6

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY
D1	1N753A	380-2062	1
D2	1N751A	380-2051	1
D3	1N962B	380-2126	1
D4	1N3253	380-3003	1
D5THRU 9	SILICON	380-1001	5
D10	MA970-1	380-4003	1
R1	3.3Ω 1/2W	331-3033	1
R16	1K, 1/4W	330-3010	1
R38	1.5K 1/4W	330-3015	1

REVISION	BY	APP'D	DATE
C4 WAS .01μF CHANGED TO .001μF PER EC N 3276 APP'D: SKMO			1/1
REV. PER ECN-3132. ADD RESISTOR FROM L8 PIN 6 TO +5V. CHANGED C25,26 TO 1000μF 60VDC APP'D: SKMO			2/2
REV. PER ECN-3177 C5 FROM ELECTROLYTIC 100μF TO A TANT. 120μF, 15V. APP'D: SKMO			3/5
REVISED PER ECO #6250 AND E.C.N. 3465 APP'D:			4/3

DEC 07 1978

COMPONENT LAYOUT 6250

WANG 6250 RO

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

E-REV. 3

WANG LABORATORIES INC.
TEWKSBURY, MASS.

DRAWN	BK	10/6/72	APP'D		
CHECKED			APP.		

SCHEMATIC LOGIBLOC #6250 REGULATOR & D/A

SHT 1 OF 1 | DWG. NO. D 6250 | REV. 4

DO NOT SCALE

NOTES
1. * CODES FOR 600-
2. + PIN 13 IS CONNECTED TO GKA_2 FOR 700 AND TO GKA_3 FOR 600-

WANG LABORATORIES INC. TEWKSBURY, MASS.			
MODEL NO. 722	DRAWN ER 9-25-72	APP. MR	10/6/72
	CHECKED		
TITLE SCHEMATIC LOGIBLOC 6251 722 ALPHANUMERIC KEYBOARD			
SHT 1 OF 2	DWG. NO. D 6251-1	REV. 4	

REVISION	BY	DATE

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DO NOT SCALE

19 CAPS

SOLDER POINTS

CH. 1 ACTIVE

CH. 2 ACTIVE

6276 - R1

POWER

I/O J1

700 I/O CABLE 2

700 I/O CABLE 1

J1

SOLDER POINTS

I/O CABLE 1 DWG C6276-2 ⚠

I/O CABLE 2 DWG C6276-2 ⚠

NOTE:
1. MODEL 700 JUMP WIRE CONNECT 2 AND 3, 4 AND 5, 6 AND 7, 8 AND 9, 10 AND 11, 12 AND 13, 18 AND 19.
2. MODEL 600 OR 600 JUMP WIRE CONNECT 1 AND 3, 14 AND 15

HOLE LEGEND

DRILLED OR PUNCHED HOLE	HOLE DIA.	TOL.
TOLERANCES:	.0135 to .125	± .002
	.126 to .250	± .003
	.251 to .500	± .004

SHEET	DESCRIPTION	QTY.
A		

COMPONENT	SIZE / TYPE	W.L. PART No.	QTY
R1,2,4,6,8,9,14,21,22,24,25,26,30	10K	¼W 330-4010	16
R3,5,20,29	27K	¼W 330-4027	4
R7,10,11,13,17,23,24	22K	¼W 330-4022	8
R12,18	10Ω	¼W 330-1010	2
R15	100Ω	¼W 330-2010	1
R16	6.8K	¼W 330-3068	1
C1,6,10,16	.01 MF	CER 300-1903	4
C2, 17	.005 MF	CER 300-1915	2
C3, 13	.15 MF	TANT 300-4010	2
C4,7,8,11,12,14	.02 MF	CER 300-1905	6
C5, 15	.001 MF	CER 300-1906	2
C9	.22 MF	CER 300-1902	1
C18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36	.05 MF	CER 300-1900	19
C37	10 MF	15 TANT 300-4032	1
C38	.02 MF	CER 300-1904	1
D1, 2, 3	DIODE	SIL 380-1001	3
J1	57-40360		1

LOCATION	TYPE	W.L. PART No.	FAIRCHILD μA702 V_OUT	FAIRCHILD μA709 V_OUT	QTY
L1,3,42,44	SN7492N	376-0008	8	14	6
L2,6,26,29,30,41,43	9936	376-0026	7	14	7
L4,12,14,25,31,34,45	SN7632N	376-0093	7	14	7
L5,16,23,28,38,46,47	SN7610N	376-0003	7	14	7
L8,19,20,39,40,49	9602	376-0104	8	14	6
L9,10,11,50,51,52	9946	376-0023	7	14	6
L13,24,33,35,48	SN7400N	376-0002	7	14	5
L17	SN7402N	376-0016	7	14	1
L21,22,27,31,48	SN7404N	376-0010	7	14	5
L27	9935	376-0025	7	14	1
L37	SN7437N	376-0068	7	14	1
L15,18,36	SN7804N	376-0002	7	14	3
L38A	SN7406N	376-0025	7	14	1

REVISION	LTR	DATE	APPROVED
ADD +5V TO L42 & L44 CHANGE L42 & L44 TO L42 & L44	1	8-7-73	
ADD L38A CHANGE L38 TO L38	2	8-7-73	
ADD L38A CHANGE L38 TO L38	3	8-7-73	
ADD L38A CHANGE L38 TO L38	4	8-7-73	
PROVIDED FOR CHANGE OF L42 & L44 TO L42 & L44	5	9-24-73	
CHANGE L38 TO L38	6	12-5-73	

WIRING SIDE
COMP. SIDE

WANG PART NO	ITEM	QTY	NAME
FIRST USED ON	ASSY USED ON		

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL

MODEL NO. 724/626

SEE ENGR SPECIFICATIONS for

FINISH

TOL. EX. AS NOTED
.XX ± .010 FRAC. ± 1/64
ANG. ± 1°30' FINISH

SCALE — SHT 1 OF 1

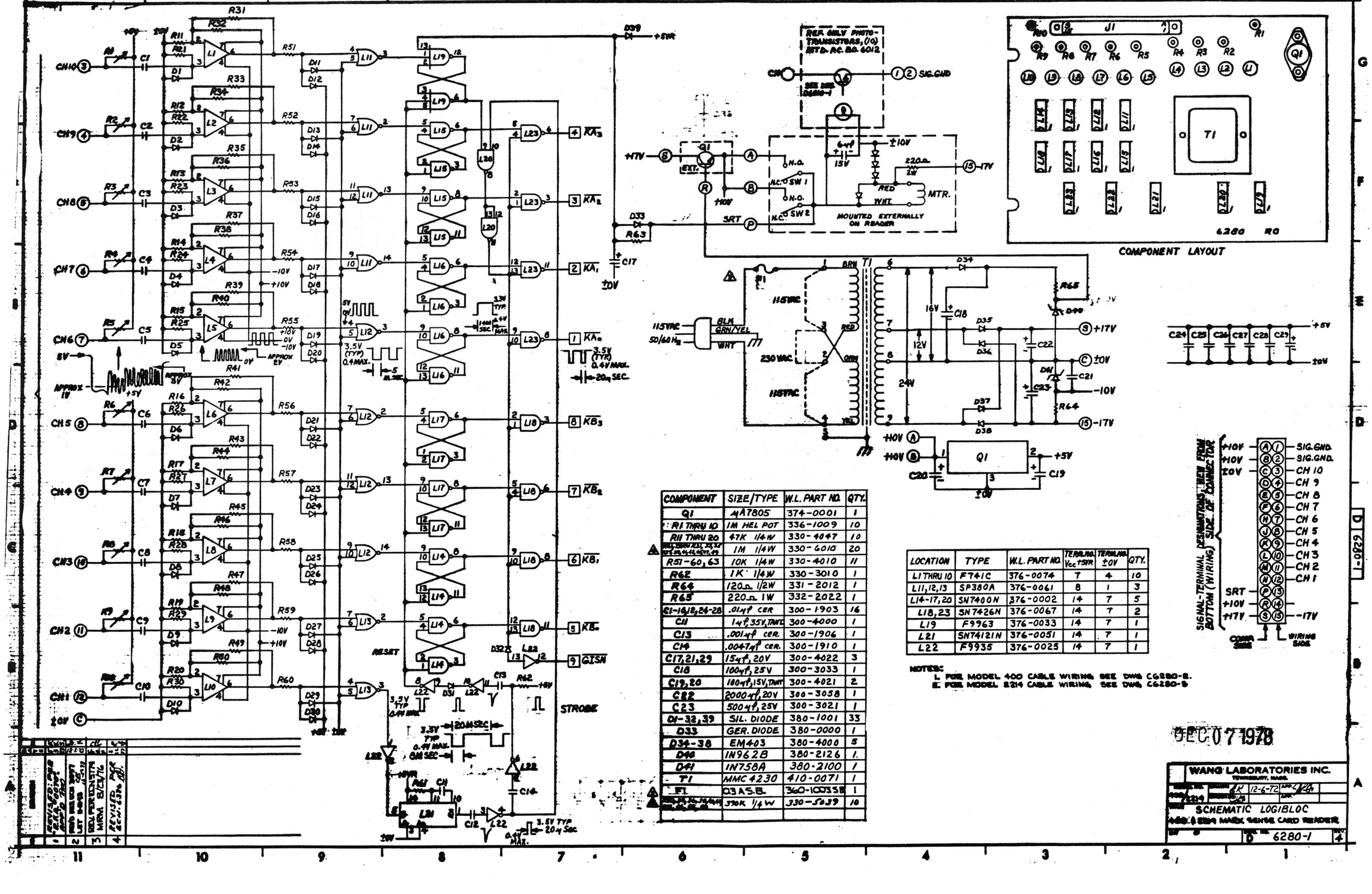
MATERIAL	DESCRIPTION

BY	DATE	APPROVED BY	DATE
DWN JPB	2-6-73	E ENGR	3-16-73
CHK		M ENGR	
E.C. CONTROL		MFG ENGR	

TITLE SCHEMATIC LOGIBLOC 6276 DUAL CHANNEL MULTIPLEXER

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
210-6276	E	6276-1	5

11-9429



COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
Q1	μA7805	374-0001	1
R1 THRU 10	1M HEL POT	336-1009	10
R11 THRU 20	47K 1/4W	330-4047	10
R51-60, 63	10K 1/4W	330-4010	11
R62	1K 1/4W	330-3010	1
R64	120Ω 1/2W	331-2012	1
R65	220Ω 1W	332-2022	1
C1-16, 12, 24-28	.01μF CER	300-1903	16
C11	1μF, 35V, TANT	300-4000	1
C13	.001μF CER.	300-1906	1
C14	.0047μF CER.	300-1910	1
C17, 21, 29	15μF, 20V	300-4022	3
C18	100μF, 25V	300-3033	1
C19, 20	180μF, 15V, TANT	300-4021	2
C22	2000μF, 20V	300-3058	1
C23	500μF, 25V	300-3021	1
D1-32, 39	SIL. DIODE	380-1001	33
D33	GER. DIODE	380-0000	1
D34-38	EM403	380-4000	5
D40	IN962B	380-2126	1
D41	IN758A	380-2100	1
T1	MMC 4230	410-0071	1
F1	03AS.B.	360-100358	1
[illegible]	330K 1/4W	330-5039	10

LOCATION	TYPE	W.L. PART NO.	TERMINAL Vcc +5VR	TERMINAL ±0V	QTY.
L1 THRU 10	F741C	376-0074	7	4	10
L11, 12, 13	SP380A	376-0061	8	1	3
L14-17, 20	SN7400N	376-0002	14	7	5
L18, 23	SN7426N	376-0067	14	7	2
L19	F9963	376-0033	14	7	1
L21	SN7412N	376-0051	14	7	1
L22	F9935	376-0025	14	7	1

NOTES:
L. PER MODEL 400 CABLE WIRING SEE DWG C6280-2.
E. PER MODEL 8214 CABLE WIRING SEE DWG C6280-3

NO.	REVISED PER ECN	BY	DATE
1	REVISED PER ECN 6280-1		
2	ADD RESISTOR LIST PARTS		
3	ADD PERIPHERAL MARK 8/2716		
4	REVISED PER ECN 6280-1		

DEC 07 1978

WANG LABORATORIES INC.
TEWKSBURY, MASS.
SCHEMATIC LOGIBLOC
6280 MARK SENSE CARD READER
D 6280-1 REV 4

DO NOT SCALE

2nd HALF

REAR PANEL

L540-10₂ Q11-B

L540-3₂ Q11-C

Q11

#26 BUSS

R1

L540-2₂ HLR

L540-H, SP GND

343

1st HALF

-12V
+12V
-17VR
-13V
10V
+5VR

+24V
BASE 24
+17VR
+13V
+31.5VR
+17VR
BASE 5
10V
+5VR

L540

MXE
+5VR
10V
MXI
MXG
Q11-B
M₂R
ARC+
M₁R
M₁L
ARC-
M₂L
Q11-C
HLR
MXA
MXF

L542

+5VR
10V
MXB.
MXD
MXH
-13V
SP GND
MXA
+13V
RIGHT
MXF
FOR
MTONC
MXH
MTONC
MXG
MXC
MXJ
MXE

L537

+5VR
10V
CTDWL
CTUPL
B₃F
B₂F
B₀F
B₁F
CTUPR
CTDWR
P₃
A₁F
A₀F

L564

GOS
+5VR
10V
GOSD
GOSD
WL I
REBL
RCL₀
RCR₀
SEL II
SEL I
DIL₁
DIR₁
DIL₀
RL II
WL II
RL I
FCLK
15 KHZ
DK I II
WTST
DK II
DK I

L563

+5VR
10V
GKA₁
GKA₂
GKB₁
GKB₀
GKB₂
DK
P₄
GOSD
WT
ZDL
DK I II
GKA₀
GKA₃
GKB₃

L562

+5VR
10V
MTONC
FOR
WEBLP
DL₁₃
HIRC
HILC
PRR I
PRF I
PRR II
PRF II
MTONC
F₀C
SFF
P₄
RBK
WMONF
WEBL
WEBL
WMOND

L561

FIND
+5VR
10V
ERROR
ERW
SFF
FORMAT ENBL II
BCCL
MERD
BLCKD
F0C
Z DROP₁
P₂
GOS
WEBL
FORMAT ENBL I
DK I
MER I
LPF
DK II
MER II
A₃F
RDST
LPS
ZDL
RD
WT

L535

+5VR
10V
GOS
BCCL
GPRM
OPQP
REWDC
RRTB
I₀B₃
I₀B₂
I₀B₁
BCCL
GOS
QPQ
DK I
LOP
DK II
ROP
GISO
REWD
RRTB
DGISO
AGISO

L560

+5V
10V
HKP₄
GISN
ZDL
P+
SW 1
CLRC
DK II
15 KHZ
P₁₂₃
REWD
WT
GPRM
DK I
Z DROP₁
ECL
GISD
OPQ
RRTB
FDATA
RIGHT
GISO
RD

I/O CABLE

CG235-1 SHT. 3
CG235-1 SHT. 7
CG235-1 SHT. 4
CG235-1 SHT. 8
CG235-1 SHT. 5
D6235-1 SHT. 6

P1
P2

CH. GND 24VAC +24V +12V -12V +5V 10V

C4 C1 C7 C6 C5 D7 C2 C3 FL

BRN RED ORN YEL

GRN WHT BLK WHT VIO GRAY VIO BLU BLU/YEL BLU BLK/YEL RED/YEL BRN/YEL

C1 B1 E1 E2 B2 C2

M,R RSL LOCK SWITCH CHAS. GND.

2nd HALF

COMP	SIZE/TYPE	W.L NO.	QTY
D8	GERM. DIODE	380-0000	1

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	APP.
729		3-6-73
	CHECKED	APP.
		8-17-73

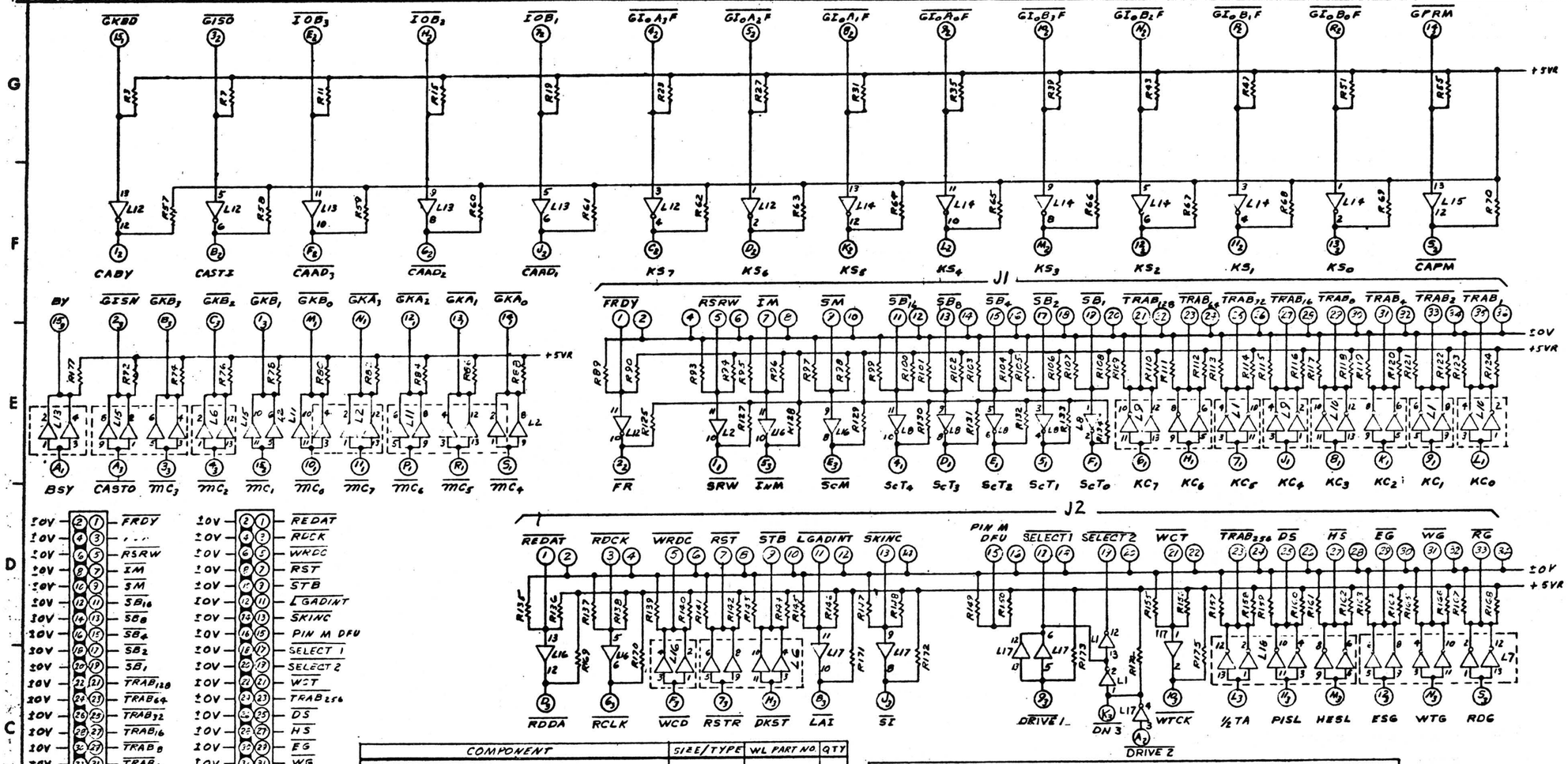
TITLE: POWER SUPPLY AND MOTHER BOARD

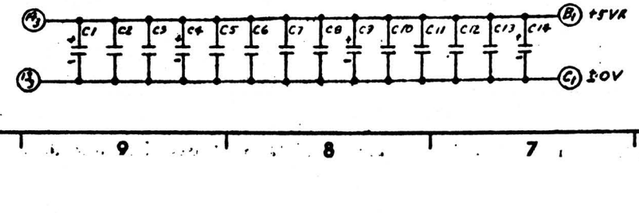
SHT 2 OF 8 | DWG. NO. D 6294-1 | REV

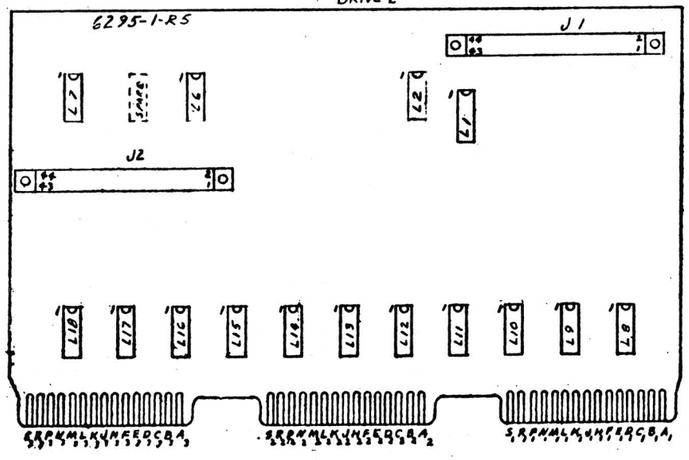
REVISION

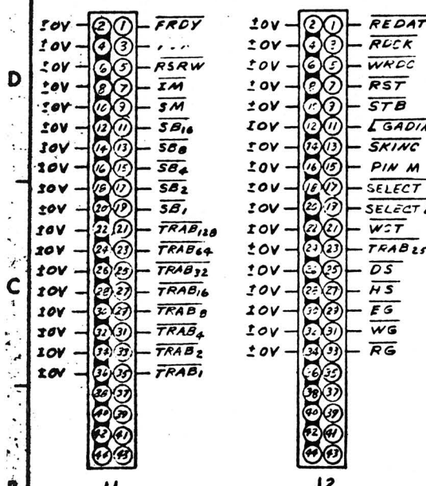
D 6294-1

DO NOT SCALE









COMPONENT	SIZE/TYPE	WL PART NO	QTY
R89, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 135, 137, 139, 141, 143, 145, 147, 149, 155, 157, 159, 161, 163, 165, 167	330Ω ¼W	330-2033	32
R3, 7, 11, 15, 19, 23, 27, 31, 35, 39, 43, 47, 51, 55	330Ω ¼W	330-2092	14
R57, 58, 62, 63, 64, 65, 66, 67, 68, 69, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 125, 127, 129, 130, 131, 132, 133, 134, 169, 170, 177	220Ω ¼W	330-2022	31
R59, 60, 61, 128, 171, 172, 173, 174, 175,	1K · ¼W	330-3010	9
R90, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 136, 138, 140, 142, 144, 146, 148, 150, 156, 159, 160, 162, 164, 166, 168	150Ω ¼W	330-2015	32
C1, 4, 13, 14	15MF 35V TANT	300-4022	4
C2, 3, 5, 6	.01 MF CER	300-1903	4
C7, 8, 10, 11, 12, 13	.02 MF CER	300-1904	6
J1, J2	44 PIN CONN.	350-0027	2

LOCATION	TYPE	WL PART No.	TERM. No. 10V	TERM. No. V_{CC} +5VR	QTY
L4, 7, 8, 9, 12, 16, 18	SN7406N	376-0055	7	14	8
L2, 6, 11, 15, 16, 17	SN7407N	376-0056	7	14	7

CONN. 1

BSY	A 1	SRW
+5VR	B 2	
±0V	C 3	
ScT3	D 4	ScT4
ScT2	E 5	ScT1
ScT0	F 6	KC7
KC6	H 7	KC5
KC4	J 8	KC3
KC2	K 9	KC1
KC0	L 10	MC0
GKB0	M 11	MC7
GKA3	N 12	GKA2
MC6	P 13	GKA1
MC5	F 14	GKA0
MC4	S 15	GKBD

CONN. 2

DRIVE2	A 1	CABY
CASTI	B 2	FR
KS7	C 3	GISO
KS6	D 4	GIoA3F
IoB3	E 5	GIoA2F
CAAD3	F 6	CAAD2
IoB2	H 7	IoB1
CAAD1	J 8	GIoA1F
KS5	K 9	GIoA0F
KS4	L 10	GIoB3F
KS3	M 11	KS1
GIoB2F	N 12	KS2
GIoB1F	P 13	KS0
GIoB0F	R 14	GPRM
CAPM	S 15	MC1

CONN. 3

CASTO	A 1	GKB1
GKB3	B 2	GISN
GKB2	C 3	MC3
RDDA	D 4	MC2
SCM	E 5	INM
WCD	F 6	RCLK
DKST	H 7	RSTR
SI	J 8	LAI
DN3	K 9	DRIVE1
½TA	L 10	WTCK
HESL	M 11	PISL
WTG	N 12	ESG
	P 13	±0V
	R 14	+5VR
RDG	S 15	BY

COMP SIDE — WIRING SIDE

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

DEC 07 1978

REVISION	DRN	CHK	APP	DATE
ADDED J2 ADDED C13, C14				11-7-74
ADDED J2 ADDED C13, C14				11-7-74
ADDED J2 ADDED C13, C14				11-7-74
ADDED J2 ADDED C13, C14				11-7-74
ADDED J2 ADDED C13, C14				11-7-74
ADDED J2 ADDED C13, C14				11-7-74
ADDED J2 ADDED C13, C14				11-7-74
ADDED J2 ADDED C13, C14				11-7-74
ADDED J2 ADDED C13, C14				11-7-74
ADDED J2 ADDED C13, C14				11-7-74

E-REV 5

WANG LABORATORIES INC.
TEWKSBURY, MASS.

DESIGNED	4-17-74	APP.		
DRAWN	11-7-74	APP.		
CHECKED		APP.		

SCHEMATIC LOGIBLOC 6295-1
TERMINATOR BOARD

SHT 5 OF 7 | DWG. NO. 6295-1 | REV 7

6295

COMP.	SIZE/TYPE	W.L. PART No.	QTY
R1, 8	470Ω ¼W	330-2047	2
R2, 3, 16	100Ω ¼W	330-2010	3
R4-5, 6, 7, 9	2.2K ¼W	330-3022	5
R14, 11, 12, 13, 14, 15	33K ¼W	330-3033	6
C1, 2, 15	.002μF CER	300-1915	3
C3, 12	15μF 20V TANT	300-4022	2
C4, 5, 6, 7, 8, 9, 10, 11	.01μF CER	300-1903	8
D	DIODE SIL	380-1007	37
R17	10K ¼W	330-4010	1
L11, 20	Socket	376-9003	2

LOC.	TYPE	W.L. PART No.	TERM. No. IOV	TERM. No. V_{CC} +5VR	QTY
L1C	SN7430N	376-0031	7	14	1
L1, 12, 15	SN7404N	376-0010	7	14	3
L2	9334	376-0025	7	14	1
L3, 4	SN74155N	376-0049	8	16	2
L5	SN7432N	376-0093	7	14	1
L6, 1A	SN7473N	376-0003	11	4	2
L7, 9, 18	SN74153N	376-0048	8	16	4
L11, 20	SN74181N	376-0039	12	24	2
L13	SN7451N	376-0012	7	14	1
L14	SN7408N	376-0081	7	14	1
L16, 18	SN74298N	376-0138	8	16	2
L17, 19	SEE NOTE 2				
L21	SN7410N	376-0003	7	14	1
L22	SN74176N	376-0007	13	5	1
L23, 18	SN7400N	376-0002	7	14	2

REVISION	BY	K.C.S.	B.K.	L.L.
		10-22-76	12-13-76	11-2-78
REVISED PER ECO 1112	EAR			
REVISED PER ECN 1453	Stadt			
ADDED PER ECN 1507	Stadt			
REVISED PER ECN 1588	Stadt			

COMPONENT LAYOUT

6296-R3

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

CONN. 1

$\overline{CAN}$	A 1	B 2	$\overline{T_{00}}$
+5VR	B 2	A 1	
IOV	C 3	C 3	
$\overline{KC_3}$	D 4	E 5	CABY
$\overline{KC_2}$	E 5	D 4	CAST I
$\overline{KC_1}$	F 6	F 6	$\overline{KC_0}$
BRL	H 7	H 7	$\overline{ADSS}$
KS_6	J 8	J 8	KS_7
KS_5	K 9	K 9	KS_4
KC_7	L 10	L 10	KC_6
KC_5	M 11	M 11	KC_4
$\overline{CAX}$	N 12	N 12	$\overline{SCM}$
A_4	P 13	P 13	$Sc T_0$
A_7	R 14	R 14	A_6
ERROR	S 15	S 15	A_5

CONN. 2

KS_1	A 1	A 1	ED_3
C_1	B 2	B 2	C_0
KC_3	C 3	C 3	KC_2
ED_0	D 4	D 4	$Sc T_3$
KC_1	E 5	E 5	$\overline{ACU}$
WD RDY	F 6	F 6	KC_0
BRH	H 7	H 7	$Sc T_0$
C_3	J 8	J 8	C_2
A_3	K 9	K 9	A_2
A_0	L 10	L 10	A_1
C_6	M 11	M 11	$Sc T_1$
C_5	N 12	N 12	$Sc T_2$
C_4	P 13	P 13	KS_3
RM_0	R 14	R 14	KS_2
RM_4	S 15	S 15	KS_0

CONN. 3

C_7	A 1	A 1	$\overline{SRW}$
RM_5	B 2	B 2	RM_1
RM_6	C 3	C 3	RM_2
RM_7	D 4	D 4	RM_3
$\overline{STI}$	E 5	E 5	t_4
$\overline{NOOP}$	F 6	F 6	R_{12}
R_{13}	H 7	H 7	CNTRL
$\overline{FD}$	J 8	J 8	R_{14}
$\overline{BLC}$	K 9	K 9	$\overline{RD}$
$\overline{BC}$	L 10	L 10	R_{11}
R_8	M 11	M 11	$\overline{KR}$
CC	N 12	N 12	R_{15}
	P 13	P 13	IOV
$\overline{WRI}$	R 14	R 14	+5VR
KX	S 15	S 15	R_9

COMP. SIDE — WIRING SIDE

NOTE:
1. THIS BOARD USED ON THE FOLLOWING MODELS: 630, 730, 640, 740, 2230, 2240, 2242, 2243
2. DO NOT LOAD L17, L19 SN74155N QTY. 2
3. FOR 2240B ONLY, CUT ETCH AND JUMPER L18-PIN 2 TO 20V

DEC 07 1978

E. REV. 2

210-6296

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO. SEE NOTE #1 | DRAWN JAS 4-24-78 | APP. T.J. 4-27-78 | CHECKED L.M.C. | APP.

TITLE SCHEMATIC, LOGIBLOC 6296 MICRO PROCESSOR

SHT 4 OF 6 | DWG. NO. D 6296 | REV. 3

DO NOT SCALE

EXTERNAL JUMPER

XTAL 10 MHz

+5VR

+10V

±0V

CONN. 1

+5VR	A1	B1	
±0V	A2	B2	
	A3	B3	
$\overline{CAN}$	A4	B4	
ADI	A5	B5	
$\overline{t_{6,7}}$	A6	B6	$\overline{STW}$
$\overline{t_{01}}$	A7	B7	$\overline{ADI}$
EJ_2	A8	B8	ED_1
$\overline{CAAD_3}$	A9	B9	t_4
$\overline{t_4}$	A10	B10	$\overline{CAAD_1}$
$\overline{CAX}$	A11	B11	$\overline{CAAD_2}$
$\overline{BLC}$	A12	B12	$\overline{BC}$
t_3	A13	B13	$\overline{BR}$
$\overline{BR_0}$	A14	B14	R_{13}
$\overline{BR_1}$	A15	B15	R_8

CONN. 2

R_9	A1	B1	$\overline{R/W}$
NOOP	A2	B2	ED_{11}
ED_{10}	A3	B3	ED_8
ED_9	A4	B4	R_{12}
$\overline{WRI}$	A5	B5	ED_6
ED_7	A6	B6	CC
ED_5	A7	B7	R_{10}
$\overline{WR}$	A8	B8	R_9
ED_1	A9	B9	R_8
ED_0	A10	B10	R_{11}
ED_2	A11	B11	R_{14}
R_{11}	A12	B12	R_{15}
R_3	A13	B13	R_1
R_0	A14	B14	R_{10}
R_{15}	A15	B15	R_7

CONN. 3

$\overline{KR}$	A1	B1	$\overline{ACU}$
$\overline{STI}$	A2	B2	BRH
m_3	A3	B3	RM_3
RM_2	A4	B4	m_2
m_0	A5	B5	RM_0
m_1	A6	B6	RM_1
$\overline{STO}$	A7	B7	BRL
C_0	A8	B8	C_1
m_7	A9	B9	RM_5
RM_7	A10	B10	m_5
m_6	A11	B11	RM_4
RM_6	A12	B12	m_4
	A13	B13	±0V
	A14	B14	+5VR
	A15	B15	

COMP SIDE — WIRING SIDE

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

LOADING CHART

MODEL	BOARD NO.	LOADING VARIATION
630, 640, 730, 2230, 2240, 2242, 2243	6297-1	DO NOT LOAD L16, 17, 18, & 22, R6, 9 THRU 20. JUMP L16 PIN TO PIN 10, PI TO 9, P2 TO P7, P3 TO P6. JUMP L17, PIN 5 TO PIN 10, PI TO 9, P2 TO P7, P3 TO P6. JUMP L18, PIN 5 TO PIN 10, PI TO 11, P2 TO P7, P3 TO P6.
740	6297-2	LOAD L16, 17, 18 & 22. R6, 9 THRU 20
2260	6297-2	DO NOT LOAD L16, 17, 18, & 22, R6, 9 THRU 20. JUMP L16, PIN 5 TO PIN 10, PI TO P9, P2 TO P7, P3 TO P6. JUMP L17, PIN 5 TO PIN 10, PI TO P9, P2 TO P7, P3 TO P6. JUMP L18, PIN 5 TO PIN 10, PI TO P9, P2 TO P7, P3 TO P6. JUMP DIODE, A TO B. CUT BTOC, ETO A

COMPONENT LAYOUT

6297 R5

L10 L9 L8 L7 L6 L5 L4 L3 L2 L1

L22 L21 L20 L19 L18 L17 L16 L15 L14 L13 L12

L33 L32 L31 L30 L29 L28 L27 L26 L25 L24 XTAL

S,R,R,R,M,L,K,J,H,G,F,E,D,C,B,A,

S,R,P,M,M,L,K,J,H,G,F,E,D,C,B,A,

S,R,P,M,M,L,K,J,H,G,F,E,D,C,B,A,

LOCATION	TYPE	W.L. PART No.	TERM. NO. 10V	TERM. NO. V_{CC} +5VR	QTY
L1, 4	SN7410N	376-0003	7	14	2
L2, 14	SN74193N	376-0097	8	16	2
L3	SN7402N	376-0016	7	14	1
L5	SN7420N	376-0004	7	14	1
L6, 13, 20, 24	SN7404N	376-0010	7	14	4
L7, 12	SN7400N	376-0002	7	14	2
L8, 10	9321	376-0076	8	16	2
L9, 15	SN7408N	376-0081	7	14	2
L16, 17, 18	SN74170N	376-0095	8	16	3
L19, 26, 30, 31, 32, 33	SN74157N	376-0082	8	16	6
L21, 25	SN7432N	376-0093	7	14	2
L22	SN74193N	376-0006	11	4	1
L27, 28, 29	SN74193N	376-0053	8	16	3

COMP.	SIZE/TYPE	W.L. PART NO.	QTY
R1	180Ω ¼W	330-2018	1
R2	1.8K ¼W	330-3018	1
R3, 4	220Ω ¼W	330-2022	2
R5, 8	4.7K ¼W	330-3047	2
R6	10K ¼W	330-4010	1
R7	6.8K ¼W	330-3068	1
C1, 12	15MF 20V TANT	300-4022	2
C2, 3, 4, 5, 6, 7, 8, 9, 10, 11	.05MF CER	300-1900	10
C12	9.2MF 20V TANT	300-4028	1
XTAL	10 MHz	321-0008	1
R9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	2.2K ¼W	330-3022	12
C13	15MF CER	300-1015	1

6297-1 E. REV 2

6297-2 E. REV 3

6297-3 E. REV 0

NO	REVISION	BY	DATE
1	REVISED PER ECN #3739 APP'D		8-3-73
2	REVISED PER RFA #4035 APP'D		10-29-73
3	REVISED PER ECN #3877 APP'D		11-27-73
4	REVISED PER ECN #4014 APP'D		4/8/74
5	REVISED PER ECN #4226 APP'D		6-27-74
6	REVISED CONFIGURATION PER ECN #4548 APP'D		12-9-77

DEC 07 1978

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO. 740 — DRAWN — DATE 5-8-73 — APP'D — CHECKED — APP'D — DATE 12-3-73

TITLE SCHEMATIC LOGIBLOC MICRO PROCESSOR

SHT 1 OF 1 — SIZE D — DWG. NO. 6297-123 — REV. 6

DO NOT SCALE

EXTERNAL JUMPER

XTAL 10 MHz

+5VR

+10V

-10V

BRH

BRL

BRI

BRC

CC

WRI

ACU

KR

STO

STI

CAX

CAN

R/W

NOOP

BC

BLC

BR

ADI

STW

WR

CONN. 1

CONN. 2

CONN. 3

SIGNAL - TERMINAL DESIGNATIONS, VIEW FROM WIRING SIDE OF CONNECTOR

COMP SIDE

WIRING SIDE

COMPONENT LAYOUT
6297-1 R3

LOCATION	TYPE	W.L. PART No.	TERM. No. -10V	TERM. No. Vcc +5VR	QTY
L1, 4	SN7410N	376-0003	7	14	2
L2, 16	SN74195N	376-0037	8	16	2
L3	SN7402N	376-0016	7	14	1
L5	SN7420N	376-0504	7	14	1
L6, 13, 20, 24	SN7406N	376-0010	7	14	4
L7, 12	SN7400N	376-0002	7	14	2
L9, 10	2321	376-0096	8	16	2
L9, 15	SN74C86N	376-0081	7	14	2
L17, 26, 30, 31, 32, 33	SN74157N	376-0082	8	16	6
L21, 25	SN7432N	376-0093	7	14	2
L27, 28, 29	SN74193N	376-0053	8	16	3

COMP.	SIZE/TYPE	W.L. PART NO.	QTY
R1	180Ω ¼W	330-2018	1
R2	1.8K ¼W	330-3018	1
R3, 4	220Ω ¼W	330-2022	2
R5-8	4.7K ¼W	330-3047	2
R7	6.8K ½W	330-3068	1
C1, 12	15MF 20V TANT	300-4022	2
C2 3 4 5 6 7 8 9 10 11	.05MF CER	300-1930	10
C12	82MF 20V TANT	300-4028	1
XTAL	10 MHz	321-0003	1
C13	18PF CER	300-1816	1

NOTE: 1, THIS BOARD IS USED ON FOLLOWING MODELS, 630, 640, 730, 2230, 2240, 2242 & 2243

BACK FILE
Per
Date

REVISION									

DO NOT SCALE

EXTERNAL JUMPER

XTAL 10 MHz

+5VR

+10V

-10V

ADI

STW

WR

NOOP

R/W

CAX

CAAD1

CAAD2

CAAD3

CAN

BRH

BRL

CC

WRI

ACU

KR

STO

STI

BC

BLC

BR1

BR0

BR

CONM. 1

+5VR	A1	B2	
-10V	C3	D4	
	E5	F6	CAN
$t_{4,1}$	G7	H8	ADI
t_{01}	J9	K10	STW
EJ_2	L11	M12	ADI
$CAAD_3$	N13	P14	EJ1
t_4	R15	S16	t4
CAX	A17	B18	$CAAD_1$
BLC	C19	D20	$CAAD_2$
	E21	F22	BC
BR0	H23	J24	BR
BR1	K25	L26	R13
R9	M27	N28	R6

CONM. 2

R9	A1	B2	R/W
NOOP	C3	D4	ED11
ED10	E5	F6	ED8
ED2	H7	J8	R12
WRI	K9	L10	ED6
ED7	M11	N12	ED4
ED3	P13	R14	CC
WR	S15	T16	R14
ED1	A17	B18	R4
ED0	C19	D20	R5
ED2	E21	F22	ED3
R11	H23	J24	R2
R3	K25	L26	R1
R0	M27	N28	R10
R15	S29	T30	R7

CONM. 3

KR	A1	B2	ACU
STI	C3	D4	BRH
m_3	E5	F6	RM_3
RM_2	H7	J8	m_2
m_0	K9	L10	RM_0
m_1	M11	N12	BRL
STO	P13	R14	CC
m_7	S15	T16	RM_5
RM_7	A17	B18	m_5
m_6	C19	D20	RM_4
RM_6	E21	F22	m_4
	H23	J24	-10V
	K25	L26	+5VR
	S29	T30	

SIGNAL-THRU-WIRE-WRAP PINS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

COMP SIDE — WIRING SIDE

COMPONENT LAYOUT

6297-2 R3

S,R,P,N,M,L,K,J,H,F,E,D,C,B,A,

S,R,P,N,M,L,K,J,H,F,E,D,C,B,A,

S,R,P,N,M,L,K,J,H,F,E,D,C,B,A,

LOCATION	TYPE	W.L. PART NO.	TERM'N CODE	TERM'N Vcc PINS	QTY
L1, 4	SN7400N	376-0033	7	14	2
L2, 14	SN74155N	376-0011	A	16	2
L3	SN7420N	376-0015	7	14	1
L5	SN7430N	376-0334	7	14	1
L6, 13, 20, 24	SN7404N	376-0010	7	14	4
L7, 12	SN7400N	376-0002	7	14	2
L8, 10	9321	376-0076	8	16	2
L9, 15	SN7408N	376-0091	7	14	2
L16, 17, 19	SN74170N	376-0095	8	16	3
L18, 26, 30, 31, 32, 33	SN74157N	376-0092	8	16	6
L21, 25	SN7432N	376-0033	7	14	2
L22	SN7473N	376-0088	11	4	1
L27, 28, 29	SN74193N	376-0053	8	16	3

LOCATION	TYPE	W.L. PART NO.	QTY
R1	470Ω 5% 1/4W	301-2018	1
R2	1KΩ 5% 1/4W	301-2028	1
R3, 4	10KΩ 5% 1/4W	301-2046	2
R5	4.7KΩ 5% 1/4W	301-2047	1
R6	100Ω 5% 1/4W	301-2010	1
R7	1.5KΩ 5% 1/4W	301-2215	1
C1, 12	TANTALUM 10V 10%	370-0022	2
C2, 3, 4, 5, 6, 7, 8, 9, 10, 11	.05MF 50V	330-1300	10
C12	2.2MF 35V	370-0029	1
XTAL	10.0MHz	371-0008	1
R10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	2.2K 1/4W 5%	301-2022	12

NO.	REVISION	BY	DATE	APP'D
1	REVISED PER ECN #3739		8-31-73	
2	REVISED PER RFA #0356		8-29-73	
3	REVISED PER ECN #3871		10-23-73	
4	REVISED PER ECN #4074		1-8-74	

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO. 720 | DRAWN | CHECKED | APP'D

TITLE SCHEMATIC LOGIBLOC 6297-2 MICRO PROCESSOR

SHT 1 OF 1 | DWG NO. D 6297-11 | REV 4

6297-11 (D)

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HOLE LEGEND

SHAPE	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE	.0150 to .125	±.002
	.126 to .350	±.003
TELEPHANTOM	.351 to .500	±.005

SHEET	DESCRIPTION	QTY.
A		

L34 (SELECT ENABLE 1Y 2Y 3Y 4Y; 3B 3A 4B 4A 2B 2A 1B 1A; RDG, A7, C7, A6, C6, A5, C5, A4, C4)

L33 (SELECT ENABLE 1Y 2Y 3Y 4Y; 3B 3A 4B 4A 2B 2A 1B 1A; A3, C3, A2, C2, A1, C1, A0, C0)

L28 L29 L30 (LOAD/SHIFT; ED7 ED6 ED5 ED4 ED3 ED2 ED1 ED0; AD11 AD10 AD9 AD8 AD7 AD6 AD5 AD4)

L25 L24 L23 L22 L21 L20 L19 L18 (R/W CE A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 DIN DOUT)

L32 (CLOCK D C B A; LOAD/SHIFT; QD QC QB QA)

L31 (CLOCK D C B A; LOAD/SHIFT; QD QC QB QA)

L35 (CLR1 CLR2 K1 J1 Q1 K2 J2 Q2 CLK1 CLK2)

L27 L26 L16 L17 (inverters)

L11 (A B C D LOAD QA QB QC QD CLR ENP ENT CLK CARRY OUTPUT)

L10 (A B C D LOAD QA QB QC QD ENT ENP CLR CLK CARRY OUTPUT)

L9 (A B C D LOAD QA QB QC QD CLR)

L1 L5 L2 L6 L3 L7 L4 L8 (A7 A6 A5 A4 A3 A2 A1 A0 CS VCC PROG VPP VDD VBB; +5V; -10.5V)

L13 L12 L14 L15 (D C B A CLR LOAD/SHIFT; QD QC QB QA; +10V)

C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15; +5V; +10V; C1/C4; -9V

COMPONENT LAYOUT

6298-1

CONN. 1

-9V	A	1	
+5VR	B	2	
±10V	C	3	
$\overline{BR}$	D	4	FMT
ED11	E	5	RSW
ED10	F	6	
ED9	H	7	
ED8	J	8	
$\overline{BLC}$	K	9	ED0
$\overline{BR_1}$	L	10	$\overline{BR_0}$
$\overline{T_{67}}$	M	11	ED3
ED7	N	12	ED2
ED6	P	13	ED1
ED5	R	14	T4
ED4	S	15	R8

CONN. 2

M_1	A	1	R9
M_3	B	2	R10
M_2	C	3	R11
M_0	D	4	R12
$\overline{BR}$	E	5	R13
R12	F	6	R14
R15	H	7	M_4
M_5	J	8	M_6
M_7	K	9	FCMT
R5	L	10	R6
C3	M	11	R7
A3	N	12	A2
A1	P	13	C2
R4	R	14	R1
C_1	S	15	A0

CONN 3

C_0	A	1	R3
C_7	B	2	R2
A_7	C	3	A4
A_6	D	4	C6
C_6	E	5	RDG
A_5	F	6	PHI
C_5	H	7	
$\overline{WR}$	J	8	$\overline{DRST}$
	K	9	MCC
R/W	L	10	CNTRLG
$\overline{CAPH}$	M	11	CASTO
$\overline{FMT}$	N	12	RSTR
	P	13	±0V
	R	14	+5VR
	S	15	

CONN 3 SIDE — WIRING SIDE

SIGNAL-TRUNKING DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF BACKPLANE

SOFTWARE LOADING VARIATION CHART

VARIATION	-A	-B	-C	-D	-E	-F	-1A	-1B	-1C	-1H
SEE NOTE 1 LAYOUT	630-1	630-2	630-3	730-1	730-2	730-3	2230-1	2230-2	2230-3	640-1
L3	378-0163	378-0163	378-0163	378-0163	378-0163	378-0163	378-0196R1	378-0196R1	378-0237R1	378-0237R1
L7	378-0185	378-0189	378-0193	378-0164	378-0168	378-0172	378-0197R1	378-0205R1	378-0209R1	378-0320R1
L4	378-0145 R1	378-0145R1	378-0145R1	378-0145R1	378-0145R1	378-0145R1	378-0198R1	378-0198R1	378-0198R1	378-0229R1
L8	378-0166	378-0166	378-0166	378-0166	378-0166	378-0166	378-0199R1	378-0199R1	378-0199R1	378-0230R1
L1	-----	-----	-----	-----	-----	-----	378-0200R1	378-0200R1	378-0200R1	-----
L5	-----	-----	-----	-----	-----	-----	378-0201R1	378-0201R1	378-0201R1	-----
L2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
L6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

VARIATION	-J	-1D	-1E	-K	-M	-N	-P	-1F	-1N	-1J
SEE NOTE 1 LAYOUT	640-2	740-1	740-2	2240-1	2240-2	2242	2243	2260	2260 Y2	2260 Y3
L3	378-0231R1	378-0214	378-0314	378-0235R1	378-0235R1	378-0179R1	378-0238R1	378-0546	378-0546	378-0546
L7	378-0232R1	378-0215	378-0315	378-0238R1	378-0240R1	378-0260R1	378-0239R1	378-0547	378-0552	378-0553
L4	378-0229R1	378-0216	378-0316	378-0237R1	378-0287R1	378-0241R1	378-0185R1	378-0548	378-0548	378-0548
L8	378-0230R1	378-0217R1	378-0317 R1	378-0236R1	378-0238R1	378-0238R1	378-0236R1	378-0549	378-0549	378-0549
L1	-----	378-0218R2	378-0234R2	-----	-----	-----	-----	378-0550	378-0550	378-0550
L5	-----	378-0219R2	378-0235R2	-----	-----	-----	-----	378-0551	378-0551	378-0551
L2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
L6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

COMPONENT	SIZE/TYPE	W.L. PART No	QTY
R1	15K ¼W	330-4015	1
R2	12K ¼W	330-4012	1
R3	100Ω ¼W	330-2010	1
R4,5,6	2.2K ¼W	330-3022	3
C5,16	33MF 15V TANT	300-4019	2
C2	.01MF MYLAR	300-2110	1
C3	330pf MICA	300-5007	1
C9,15	15MF 20V TANT	300-4022	2
C5,6,7,8,9,10, 11,12,13,14	.01MF CER	300-1903	10
D1,2	DIODE SIL.	380-1001	2
	16 PIN CONN	376-9002	8
	26 PIN CONN	376-9003	6
C17	.002 MYCER	300-1913	1
R7	2.7K ¼W	330-3027	1
R8	6.8K 5%	330-3069	1

LOCATION	TYPE	W.L. PART No	TERM. No +10V	TERM. No Vcc*+5V	QTY
L1, 5, 2, 6, 3, 7, 4, 8	1702A	377-0009	—	12	
L9,10,11	SN74161N/ 9316	376-0094	8	16	3
L12,13,14,15,22,23,24,31,32	SN74125N	376-0027	8	16	9
L16, 17	SN7400N	376-0002	7	14	2
L17, 27A	SN7402N	376-0016	7	14	2
L18,19,20,21,25,26,28	2102	377-0069	9	10	8
L26,27	SN74109N	376-0010	7	16	2
L33,39	SN74137N	376-0082	8	16	2
L38	SN74123N	376-0005	11	4	1
L36	SN74-123N	376-0080	8	16	1

* SEE LOADING VARIATION CHART ELSEWHERE ON SCHEMATIC.
L2 AND L6 NOT LOADED.

NOTE 1: THIS BOARD IS USED ON THE FOLLOWING MODELS: 630, 730, 2230, 640, 740, 2240, 2242, 2243.

DEC. 07 1978

E.REV. 2

DRAWN	12-23-77	ENGR			
CHK	1-9-78	M ENGR	J.H.	1-7-78	
E.C. CONTROL		MFG ENGR			

WANG LABORATORIES, INC. TEWKSBURY, MASS., U.S.A.

MATERIAL: MODEL NO SEE NOTE #1; SEE SWBS SPECIFICATIONS

FINISH: TOL. EX. AS NOTED .XX ± .005 FRAC. ± 1/64 .XXX ± .002 ANG. ± 1°30' (pads ± 30')

TITLE: SCHEMATIC, LOGIBLOC 6298 MICRO-PROCESSOR RAM, ROM MEMORY

MATERIAL	DESCRIPTION

210-6298 | E | 6298 | 12

WANG PART NO. | ITEM | QTY | NAME

QTY PER	FIRST USED ON	ASY USED ON

SCALE | SHT 1 OF 1 | WANG PART NUMBER | SIZE | DRAWING NUMBER | REV.

| | | | | |

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NO WAY SCALE

EXTERNAL
KEY SWITCH
+5V
FORMAT P.B
FMT
FMT
FD RD

COMPONENT LAYOUT
62 99 - R1

LOCATION	TYPE	WL. PART NO	TERM. /IC	TERM. /Pkg + SW.	QTY
L12, 5, 14, 15, 20	SN74173N	376-0005	11	9	5
L3, 7, 24, 37	SN7409N	376-0010	7	14	5
L4	SN7404N	376-0036	7	14	1
L6, 17, 26, 36	SN7400N	376-0002	7	14	5
L8, 23, 25	SN74174N	376-0009	13	5	3
L9	SN74164N	376-0102	7	14	1
L10, 11, 12, 35	SN74195N	376-0097	8	16	4
L14	SN7406N	376-0055	7	14	1
L18	SN7402N	376-0012	7	14	1
L16, 38	SN7432N	376-0093	7	14	2
L18, 27	SN7408N	376-0081	7	14	2
L29, 21, 32	SN74123N	376-0068	8	16	3
L22, 33	SN74298N	376-0138	8	16	2
L24	SN7810N	376-0003	7	14	1
L29	SN74174N	376-0006	7	14	1
L30	SN74151N	376-0067	8	16	1
L31	SN74193N	376-0083	8	16	1
L34	SN7420N	376-0008	7	14	1

COMP.	SIZE/ TYPE	VEL. PART NO.	QTY
R1	180 Ω 5W	330-2018	1
R2	1.8K 5W	330-3018	1
R3-9	220Ω 5W	330-2022	6
R5,6,8,11	10Ω 5W	330-9010	4
R7	47K 5W	330-3087	1
R9,10	2.2K 5W	330-3022	2
C14	.47 MFD	300-1047	1
C1, 13	15 MFD TANT	300-4022	2
C2,3,4,5,6,7,8,9,11,12	.01 MF CER.	300-1903	11
XTAL	6.25 MHz	321-0014	1

CONN. 1
CONN. 2
CONN. 3
SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR
COMPL SIDE
WIRING SIDE

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.	BY DWN. FWS; CHK. E.P.; E.C. CONTROL	DATE APPROVED BY: 4-MAR-74 ENGR; IN ENGR 7-3-74; MFG ENGR
			MODEL NO. 730		
			TITLE SCHEMATIC LOGIC DISK CONTROL		6299
			510-6299	E	6299-1

1-66-29 E3

DO NOT SCALE

COMPONENT	SIZE, TYPE	W.L. NO.	QTY.
R1,8,11	3.9K 1/4W	330-3039	3
R2	39K 1/4W 5%	330-4040	1
R3	1K 1/4W 5%	330-3011	1
R4,9,14,15,16	22K 1/4W 5%	330-4023	5
R5	2.2K 1/8W 5%	330-3023	1
R6	2.2K 1/4W	330-3022	1
R7	1.5K 1/4W	330-3015	1
R10,12	47K 1/4W 5%	330-4048	2
R13,17,18,19,20,21,22,23	1K 1/4W	330-3010	8
R24,25,26,27	220Ω 1/4W	330-2022	4
C1,9,10,13	.05μf 12V	300-1900	4
C2,18,24	220μμf CER.	300-1220	3
C3	.47μf 35V TA.	300-4001	1
C4	.22μf 35V TA.	300-4006	1
C5,6,14,15,21,22,23	560μμf CER.	300-1560	7
C7	.01μf 25V	300-1903	1
C8	3.3μf 15V TA.	300-4016	1
C11	1.2μf 35V TA.	300-4026	1
C12,16	2.2μf 20V TA.	300-4023	2
C19	.33μf 35V TA.	300-4008	1
C20	1μf 35V TA.	300-4000	1
C25	68μμf CER.	300-1068	1
C26,27,28,29,30,31,32,33,34	.02μf 25V	300-1904	9
C35,36	15μf 20V	300-4022	2
C17	.68μf 35V TA.	300-4011	1
D1,2,3,4,5,6,7,8	30V SIL.	380-1001	8

I.C. LOCATION	TYPE	W.L. NO.	TERM FOR ±0V	TERM FOR VCC +5VR	QTY.
L1,5,7,22,26,29	SN7404N	376-0010	7	14	6
L2,4,8,27	F9602	376-0104	8	16	4
L3,6	F9935	376-0025	7	14	2
L9,18,19,28	F9316	376-0094	8	16	4
L10	SN7414N	376-0139	7	14	1
L11,14,16,23	SN7400N	376-0002	7	14	4
L12,15	SN7410N	376-0003	7	14	2
L13,24	F9930	376-0022	7	14	2
L17,25	SN7473N	376-0005	11	4	2
L20	SP380A	376-0061	1	8	1
L21	SN7402N	376-0016	7	14	1

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

CONN.1

A 1		-12VR
+5VR B 2		
±0V C 3		
COL1 D 4		C1
COL80 E 5		C3
ENC F 6		
H 7		
COL6 J 8		
CRRST K 9		
BSFF L 10		
ACP M 11		
UP N 12		
PD P 13		
CRFF R 14		
S 15		HV

CONN.2

CLL 1 A		
POP 2 B		
DP C 3		
D 4		
E 5		
F 6		
H 7		
J 8		
K 9		
L 10		
M 11		
N 12		
P 13		
R 14		
MR S 15		
CLP		

CONN.1

A 1		
B 2		
C 3		
D 4		
E 5		
F 6		
H 7		
J 8		
K 9		
L 10		
M 11		
N 12		
P 13		
R 14		
S 15		
Q0		D3
Q1		D4
Q2		±0V
Q3		+5VR
D1		
D2		
CLK		

COMP. SIDE — WIRING SIDE

COMPONENT LAYOUT 6333

6333 R0

SRPNMLKJHFEDCBA
3333333333333333

SRPNMLKJHFEDCBA
2222222222222222

SRPNMLKJHFEDCBA
1111111111111111

REVISION	DATE	BY
REVISED PER ECO 5117 ADDED	12/6/73	

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	APP.	
741/22-21	F.S.S. 10-15-73	APP.	10-31-73
	CHECKED	APP.	

TITLE: SCHEMATIC LOGIBLOC #6333 MOTOR TIMING

SHT 1 OF 1 — DWG NO. D 6333-1 — REV 1

DO NOT SCALE

MODEL 741 LOADING

LOC.	TYPE	W. L. No.	TERM. No. -12V	TERM. No. Vcc +5VR	QTY
U	1702		14	12	1
L2, 11	SN74L38N	376-0101	8	16	2
L3,4,7,9 13,19,23	SN7404N	376-0010	7	14	7
L5	SN7402N	376-0016	7	14	1
L6	MM5240				1
L8,20	SN7400N	376-0002	7	14	2
L10,21	SN74C6N	376-0065	7	14	2
L[illegible],14	SN7407N	376-0056	7	14	2
L12,25	SN7410N	376-0003	7	14	2
L15	SN7462N	376-0008	8	16	1
L16	9330	376-0022	7	14	1
L17	9335	376-0025	7	14	1
L18,26	9602	376-0106	8	16	2
L22	SN74193N	376-0099	8	16	1
L24	9314	376-0108	8	16	1
L27	9316	376-0094	8	16	1

MODEL 2241 LOADING

LOC.	TYPE	W.L. No.	QTY
L2,11	SN74L38N	376-0101	2
L4,7,9 13,19,23	SN7404N	376-0010	6
L5	SN7402N	376-0016	1
L6	MM5240		1
L8,20	SN7400N	376-0002	2
L10,[illegible],14	SN7407N	376-0056	3
L15	SN7442N	376-0008	1
L16	9330	376-0022	1
L17	9335	376-0025	1
L18,26	9602	376-0106	2
L21	SN74C6N	376-0055	1
L22	SN74193N	376-0053	1
L24	9314	376-0108	1
L25	SN7410N	376-0003	1
L27	9316	376-0094	1

COMP.	SIZE/TYPE		W.L. NO.	QTY
R1,2,3,4,5,6,47	330Ω	¼W	330-2033	8
R7,8,9,10,11, 12,44,46,51,52	220Ω	¼W	330-2022	10
R13,14,15,16,17,18, 20,21,22,23,24,25, 26,42,60,62	2.2K	¼W	330-3022	16
R19	33Ω	1W	332-1033	1
R27,43,53,54	1K	¼W	330-3010	4
R28,29,30,31, 32,33,34,35,36	4.7K	¼W	330-3047	9
R37,38,39,40,41	6.8K	¼W	330-3068	5
R48,49,57	22K	¼W	330-4023	3
R50	180Ω	¼W	330-2018	1
R55,56	10K	¼W	330-4010	2
R58	47K	¼W	330-4047	1
R59,61,63	1.8K	¼W	330-3018	3
C1	.01μF	CER	300-1903	1
C2	470pf	CER	300-1471	1
C2,3	150PF	CER	300-1150	2
C4	68PF	CER	300-1068	1
C5	.05μF	CER	300-1900	1
C6,7,16,18,20	15μF 20V	TANT	300-4022	5
C7	560 PF	CER	300-1560	1
C8	47PF	CER	300-1047	1
C10,11,12,13,14, 15,17,19	.02μF	CER	300-1904	8
D1,2	1N750A	4.7V	380-2047	2
D3	DIODE	SIL	380-1001	1
XTAL	4 MHz		321-0011	1
24 PIN SOCKET			376-9003	2

SIGNAL - TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

CONN 1: +5VR, IOV, IOV, IOV; DATA8, DATA5, DATA1, DATA4, DATA3, DATA6, DATA7, PWR/STROBE, ACK W/LG, READY/BUSY

CONN 2: LSF, LSF; UP1, UP3, UP2, CU, CLL, B1, B2, B3, B5, B4, -12V

CONN 3: +12V; LC, CRFF, LFF, B3FF, MR, CR RESET, LF RESET, POP, AC, PRINT, IOV, +5VR; COMP. SIDE, WIRING SIDE

NOTE 1-* USED ON MODEL 2241 ONLY.

DO NOT LOAD FOR MODEL 2241

STANDARD ADD JUMPER FOR 1=1, L=L

JUMPER FOR MODEL 741

6334 LA3

REV	REVISION	BY	DATE	APP'D
1	REVISED PER ECN 3947 APR 10 1974		4-11-74	
2	REVISED PER ECO 4141 APR 30 1974		5-6-74	
3	REVISED PER ECO 4141 MAY 9 1974		12-19-74	

E-REV. 1

WANG LABORATORIES INC. TEWKSBURY, MASS.

MODEL NO.	DRAWN	DATE	APP'D	DATE
641/741 2241	CHECKED	10-19-73 12-19-74	APP'D	10-22-73

TITLE: SCHEMATIC LOGIBLOC 6334 INPUT DECODER

SHT 4 OF 6 DWG. NO. D 6334 REV 3

DEC 07 1978

DO NOT SCALE

LOCATION	TYPE	W.L. PART NO.	TERM. NO. ±0V	TERM. NO. Vcc +5V	QTY.
L1,2,10,12	SN7402N	376-0016	7	14	4
L3,13,16	9936	-0026	7	14	3
L4,5,24	SN74193N	-0053	8	16	3
L6	9946	-0023	7	14	1
L7	SN7410N	-0003	7	14	1
L8,9	9602	-0104	8	16	2
L11,14,23	SN7400N	-0002	7	14	3
L15,17	9935	-0025	7	14	2
L18	9930	-0022	7	14	1
L19	SN7474N	-0006	7	14	1
L20	SN7442N	-0008	8	16	1
L21	SN7475N	-0013	12	5	1
L22,25	SN7476N	-0007	13	5	2
L26	SN7406N	376-0055	7	14	1

CONN.1

+5V	A1
±0V	B2
	C3
	D4
$\overline{TKA_1}$	E5
	F6
	H7
$\overline{TKA_0}$	J8
	K9
FNSH	L10
	M11
	N12
$\overline{TKB_2}$	P13
$\overline{TKB_1}$	R14
$\overline{TKB_0}$	S15

CONN.2

XINC	A1
$\overline{TKB_3}$	B2
YINC	C3
$\overline{UX}$	D4
$\overline{DX}$	E5
$\overline{XPUS}$	F6
$\overline{YPUS}$	H7
$\overline{DY}$	J8
$\overline{UY}$	K9
$\overline{BS}$	L10
$\overline{BS}$	M11
	N12
$\overline{COUNT}$	P13
$\overline{CLEAR}$	R14
$\overline{T_9}$	S15

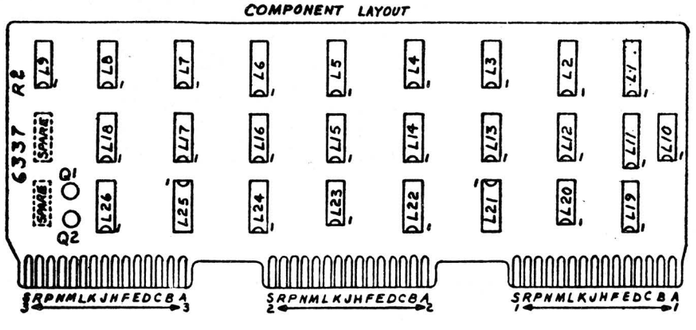
CONN.3

MCK	A1
$\overline{PSB}$	B2
$\overline{MOVE}$	C3
$\overline{TKWS}$	D4
	E5
	F6
	H7
	J8
$\overline{RBS}$	K9
PENC	L10
	M11
$\overline{ORG}$	N12
	P13
±0V	R14
+5V	S15

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

COMPONENT	SIZE/TYPE	W.L. PART NO.	QTY.
R1-7	220Ω 1/4W	330-2022	7
R8-14	330Ω	-2033	7
R15,21,22,25,32	4.7K	-3047	5
R16,17,19,20,30	10K	-4010	5
R33	27K	-4027	1
R23,24	6.8K	-3068	2
R26	1K	-3010	1
R27	47Ω	-1047	1
R28	1.8K	-3018	1
R29	2.2K	-3022	1
R31	100Ω 1/4W	330-2010	1
C1,4	820pf	300-1820	2
C2,22,23	15μf 20V, TANT	-4022	3
C3	680pf	-1680	1
C5,6	220pf	-1220	2
C7,11	.001μf, 200V	-1906	2
C8	47μf, 20V	-4034	1
C9,12	330pf	-1330	2
C10	5.6μf, 35V, TANT	-4017	1
C13-21	.05μf, 12V	-1900	9
C24	.0047μf 100V MYLAR	300-2047	1
D1	SIL DIODE 4B	380-1001	6
Q1	GT544 SIL	375-1017	1
Q2	2N3725	375-1027	1
	SM. TRANSIPAD	375-9004	2
R18,34	39K 1/4W	330-4039	2

COMPONENT LAYOUT



REVISION	BY	DATE
REVISED PER ECN #3736 APP'D 6/1/77		6-13-77

DEC 07 1978

E. REV. 1

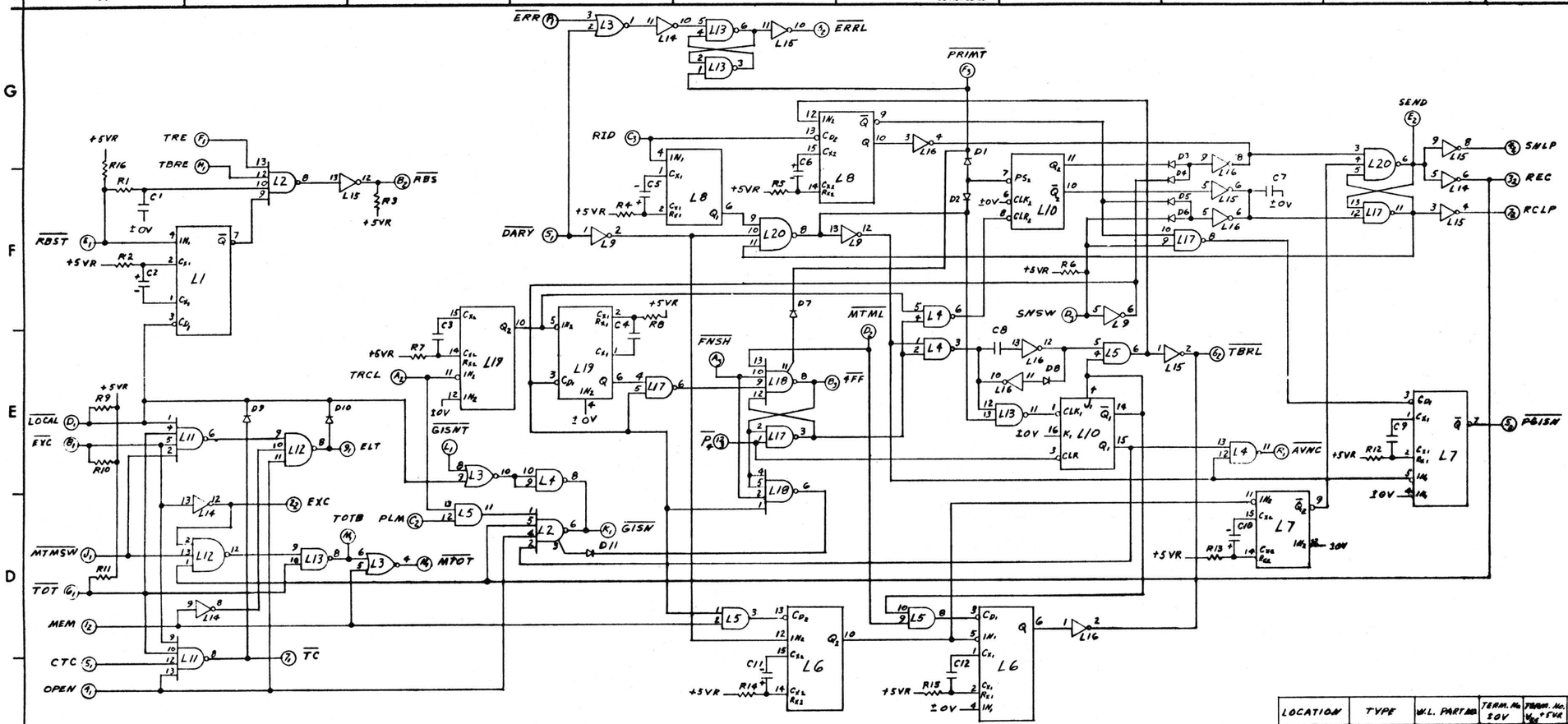
WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO. 632/732 2232	DRAWN AK	5-23-73	APP.	
	CHECKED	12-31-75	APP. 2/1	

TITLE: SCHEMATIC LOGIBLOC # 6337
PEN CONTROL & COMMAND DECODER

SHT 4 OF 5 | DWG. NO. D 6337 | REV. 1

DO NOT SCALE



CONN. 1

+5VR	A 1	
±0V	B 2	
LOCAL	C 3	OPEN
RBST	D 4	CTC
TRE	E 5	TOT
TBRE	F 6	TC
MTMSW	H 7	EXC
GISN	J 8	ELT
GISNT	K 9	
TOTB	L 10	
MTOT	M 11	
ERR	N 12	
AVNC	P 13	
DARY	R 14	
	S 15	PBISN

CONN. 2

TRCL	A 1	MEM
RBS	B 2	EXC
PLM	C 3	REC
MTML	D 4	SNLP
SEND	E 5	ERRL
	F 6	TBRL
	H 7	RCLP
	J 8	
	K 9	
	L 10	
	M 11	
	N 12	
	P 13	
	R 14	
	S 15	

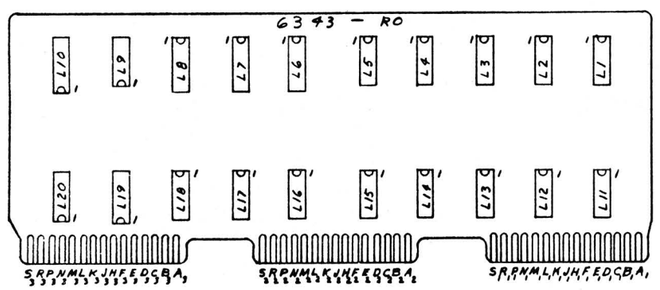
CONN. 3

FNSH	A 1	
FFF	B 2	
RID	C 3	
SNSW	D 4	
	E 5	
PRIMT	F 6	
	H 7	
	J 8	
	K 9	
	L 10	
	M 11	
	N 12	$\overline{P_4}$
	P 13	10V
	R 14	+5VR
	S 15	

COMA SIDE — WIRING SIDE

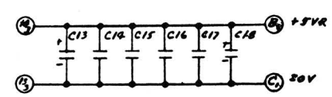
SIGNAL - TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

6343-1



COMPONENT	SIZE / TYPE	W.L. PART No	QTY
R1	22 Ω ¼W	330-1022	1
R2	27K ¼W	330-4027	1
R3	2.2K ¼W	330-3022	1
R6,7,8,9,10,11,15	10K ¼W	330-4010	7
R.5, 13, 14	33K ¼W	330-4033	3
R16	4.7K ¼W	330-3047	1
R4	12K ¼W	330-9012	1
C1,3,4,12	330PF CER	300-1330	4
C2	1MF 35V TANT	300-4000	1
C5, 6, 10, 11	5.6 MF TANT	300-4017	4
C7	820 PF CER	300-1820	1
C8	.002 MF CER	300-1913	1
C9	.0015 MF CER	300-1907	1
C13, 18	15 MF 20V TANT	300-4022	2
C14,15,16,17	.01 MF CER	300-1903	4
D1, 2, 9, 10	DIODE GER	380-0000	4
D3,4,5,6,7,8,11	DIODE SIL	380-1001	7

LOCATION	TYPE	W.L. PART No	TERM. No. ±0V	TERM. No. +5VR	QTY
L1,6,7,8,19	9602	376-0104	8	16	5
L2,11,18	9930	376-0022	7	14	3
L3	SN7402N	376-0016	7	14	1
L4	9946	376-0023	7	14	1
L5	SN7400N	376-0081	7	14	1
L9, 14	SN7404N	376-0010	7	14	2
L10	SN7476N	376-0007	13	5	1
L12, 20	SN7410N	376-0003	7	14	2
L13, 17	SN7400N	376-0002	7	14	2
L15	SN7406N	376-0053	7	14	1
L16	9935	376-0025	7	14	1



REVISION	BY	NO
D <- W		

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN		APP.	
727	CHECKED		APP.	

TITLE: SCHEMATIC, LOGIBLOC 6343
MEMORY TO MEMORY . MANUAL CONTROL

SHT OF | CONT. NO. D 6343-1 | REV.

DO NOT SCALE

COMPONENT	SIZE/TYPE	W.L. PART No.	QTY
R1	180Ω ¼W	330-2018	1
R2	1.8K ¼W	330-3018	1
R3,4	220Ω ¼W	330-2022	2
R5,9,10,13,14	10K ¼W	330-4010	5
R6	22Ω ¼W	330-1022	1
R7,8	1K ¼W	330-3010	1
R11	33K ¼W	330-4033	1
R12	27K ¼W	330-4027	1
R15	3.3Ω ½W	331-0033	1
R16	470Ω ¼W	330-2047	1
R17	1K POT	336-1001	1
R18	2.7K ¼W	330-3027	1
R19	4.7K ¼W	330-3047	1
R20,22	10Ω ½W	331-1010	2
R21,23	470Ω ½W	331-2047	2
R24	22K ¼W	330-4022	1
C1,5	330PF CER	300-1330	2
C2	560PF CER	300-1560	1
C3	150PF CER	300-1150	1
C4	820PF CER	300-1820	1
C6	.1 MF CER	300-1901	1
C7	3.3 MF 15V TANT	300-4016	1
C8	.0015 MF CER	300-1207	1
C9,10	.05 MF CER	300-1900	2
C11,12	50 MF 50V ELEC.	300-3010	2
C13,17	15 MF 20V TANT	300-4022	2
C14,15,16	.01 MF CER	300-1903	3
C17	.047 MF MYLAR	300-2147	1
D1,2,3,4,5,6,11,13,14,16	DIODE SIL	380-1001	10
D7,8,9,10	EM403	380-4000	4
D12,15	IN759A 12V	380-2120	2
Q1	40250V1	375-1028	1
Q2	3522 #	375-1001	1
Q3	2N4234	375-1024	1
XTAL	8MHz	321-0009	1

LOCATION	TYPE	W.L. PART NO.	TERM. No. -10V	TERM. No +5VR	QTY
L1	723	376-0066	—	—	1
L2	SN7404N	376-0010	7	14	1
L3,9,13	SN7493N	376-0011	10	5	3
L5,10	9936	376-0026	7	14	2
L6	9935	376-0023	7	14	1
L7,14	9602	376-0104	8	16	2
L8,16,17	SN7408N	376-0081	7	14	3
L9	9930	376-0022	7	14	1
L11	SN7400N	376-0002	7	14	1
L12	SN7410N	376-0003	7	14	1
L15	SN7402N	376-0016	7	14	1

CONN. 1

+5VR	A 1	
-10V	B 2	
	C 3	
	D 4	
+12V	E 5	
+5VR	F 6	
	H 7	
	J 8	
	K 9	
-12V	L 10	
12VAC	M 11	
-12VR	N 12	
12VAC	P 13	
+12VR	R 14	
+5V BASE	S 15	

CONN. 2

$\overline{GKA_3T}$	A 1	$\overline{GKA_0T}$
$\overline{GKA_1T}$	B 2	
$\overline{GKB_2T}$	C 3	$\overline{GKA_2T}$
$\overline{GKB_3T}$	D 4	$\overline{PBSW}$
$\overline{GKB_2T}$	E 5	PBSW
$\overline{GKB_1T}$	F 6	CKCT
CK_0	H 7	SEND
CK_0	J 8	TRC
RRC	K 9	RID
$\overline{GIA_3T}$	L 10	$\overline{GI_0A_3F}$
$\overline{DARY}$	M 11	TRDA
$\overline{TBRL}$	N 12	TRE
1200B	P 13	$\overline{TOT}$
600B	R 14	$\overline{GISMT}$
300B	S 15	GPRN

CONN. 3

$\overline{PRIMT}$	A 1	
SI	B 2	
$\overline{GI_0B_2F}$	C 3	
$\overline{GIB_1T}$	D 4	
$\overline{GIA_0T}$	E 5	
$\overline{GI_0A_0F}$	F 6	$\overline{GIB_2T}$
OPST	H 7	$\overline{GI_0B_2F}$
$\overline{GISO}$	J 8	$\overline{GIB_3T}$
$\overline{GISOT}$	K 9	$\overline{GI_0B_3F}$
$\overline{I_0B_1T}$	L 10	$\overline{GI_0A_2F}$
$\overline{I_0B_1}$	M 11	$\overline{GIA_2T}$
$\overline{I_0B_3T}$	N 12	PRIMT
	P 13	-10V
	R 14	+5VR
$\overline{I_0B_3}$	S 15	

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

COMP SIDE — WIRING SIDE

6346-RO

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	APP.
727	CHECKED	APP. 6-21-73

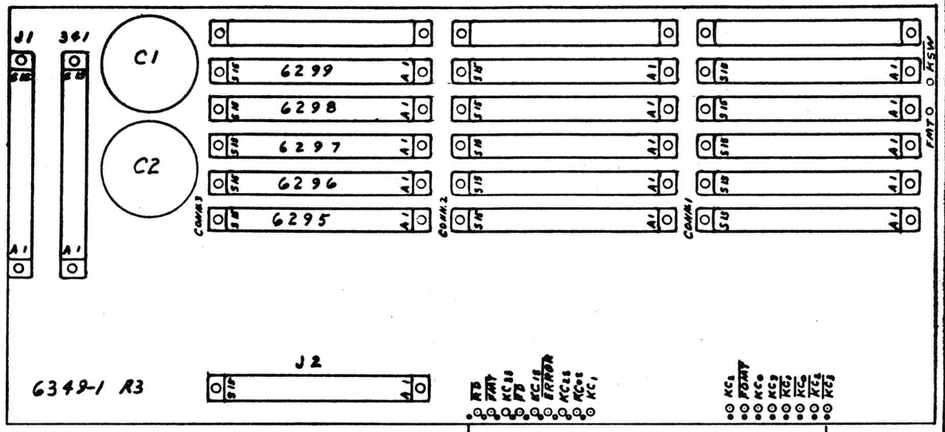
TITLE SCHEMATIC, LOGIBLOC 6346 TIMING & POWER SUPPLY REGULATOR

SHT OF | DWG. NO. D 6346-1 | REV.

REVISION

DO NOT SCALE

SOLDER POINTS



CABLE TO FRONT PANEL

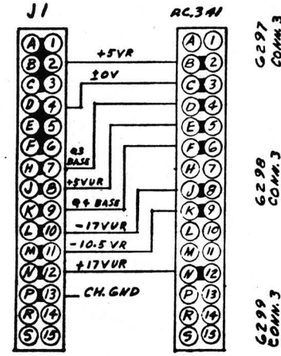
CABLE WIRING CHART

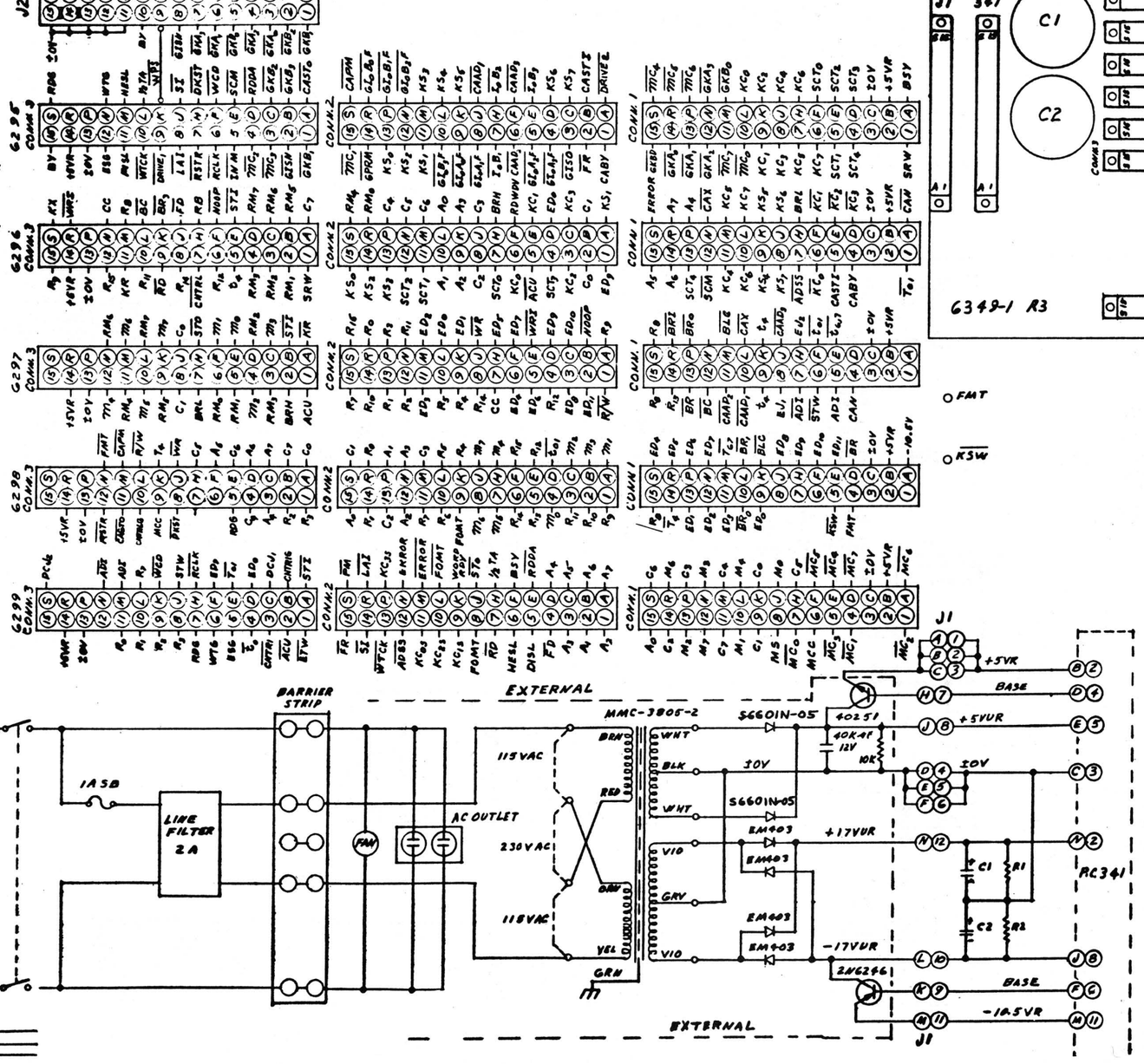
	SIGNAL	WIRE COLOR	FRONT PANEL	
⚠	KSW	WHT/BLK/BRN	SWITCH KEY	N.O.
	RD	VIOLET	SWITCH DISK SELECT	N.C.
	FD	BLUE	SWITCH DISK SELECT	N.O.
⚠	FMT	WHT/BLK/GRY	SWITCH FORMAT	N.O
	FMT	GRY/YEL	SWITCH FORMAT	N.C.
	FOMT	ORANGE	FORMAT LIGHT	
	ERROR	GREEN	ERROR LIGHT	
	KC35	WHITE	SWITCH 8 BIT COMMON GROUP 2	
	KC8	RED/WHT	SWITCH 8 BIT GROUP 2	N.C.
	KC3	YEL/BLK/WHT	SWITCH 8 BIT GROUP 2	N.O
	KC35	GRY/WHT	SWITCH 4 BIT COMMON GROUP 2	
	KC8	GRN/WHT	SWITCH 4 BIT GROUP 2	N.C.
	KC2	YEL/WHT	SWITCH 4 BIT GROUP 2	N.O.
⚠	KC35	WHT/BLK/BLU	SWITCH 2 BIT COMMON GROUP 2	
	KC1	VIO/WHT	SWITCH 2 BIT GROUP 2	N.C.
	KC1	VIO/BLK/WHT	SWITCH 2 BIT GROUP 2	N.O
	KC03	ORN/WHT	SWITCH 1 BIT COMMON GROUP 2	
	KC0	BRN/WHT	SWITCH 1 BIT GROUP 2	N.C
	KC0	BLU/—/WHT	SWITCH 1 BIT GROUP 2	N.O.

SEE NOTE #2

NOTE:
1. ALL WIRES ARE #26 GAUGE
2. [illegible]

COMP	SIZE/TYPE	W. L. PART NO.	QTY
R1,2	10K ½W	330-4010	2
C1, 2	GRAF 20V	300-3019	2
CONN.	30 PIN CONN.	350-0011	21





DEC 07 1978

REV	BY	DATE	APP'D
0	ORIGINATED PER ECN #6457	1-9-76	
1	ADD FMT, KSW, CHG PWR. ASSIGN	5-3-77	
2	REVISED PER ECN # 6856 APP'D: MC 8-1-77	7-8-77	MC

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO. 2260-2	DRAWN	8-8-77	APP'D
	CHECKED	11-13-76	APP'D

TITLE: ANOTHER BOARD AND POWER SUPPLY

SHT 5 OF 6 | SIZE D | DWG. NO. 6349-1 | REV 2

6349-1

LOCATION	TYPE	WL. PART NO.	TERM NO. 20V	TERM NO. GND	QTY
L1,2,5,14,15,20	SN74175N	376-0006	11	4	6
L3,24,26,37	SN7404N	376-0010	7	14	4
L6	SN7408	376-0036	7	14	1
L4,17,8,30	SN7400N	376-0002	7	14	4
L9,23,35	SN74175N	376-0007	13	5	3
L9	SN74164N	376-0102	7	14	1
L10,16,29	SN74195N	376-0097	8	16	4
L18	SN7406N	376-0055	7	14	1
L15	SN7402N	376-0016	7	14	1
L16,38	SN7432N	376-0093	7	14	2
L19,27	SN7408N	376-0081	7	14	2
L20,21,32	SN74153N	376-0068	8	16	4
L22,33	SN74298N	376-0138	8	16	2
L26	SN7410N	376-0003	7	14	1
L28	SN7474N	376-0006	7	14	1
L36	SN74151N	376-0047	8	16	1
L35	SN74155N	376-0053	8	16	1
L36	SN7420N	376-0004	7	14	1

COMP.	SIZE/TYPE	WL. PART NO.	QTY
R1	180Ω ¼W	330-3018	1
R2	1.8K ¼W	330-3018	1
R3,4	220Ω ¼W	330-2022	2
R5,6,8,11	10K ¼W	330-4010	4
R7,12-15	4.7K ¼W	330-3047	1
R9,10	2.2K ¼W	330-3022	2
C16	47 MF CER.	300-1047	1
C1,13	15 MF 20V TANT.	300-6022	2
C2,3,4,5,7 & 9,14,17	.01 MF CER.	300-1903	11
XTAL	6.25 MHz	321-0016	1

CONN. 1			
$\overline{MC_4}$	A 1	B 2	$\overline{MC_2}$
+5VR	B 2		
+20V	C 3		
$\overline{MC_7}$	D 4	E 5	$\overline{MC_1}$
$\overline{MC_4}$	E 5	F 6	$\overline{MC_3}$
$\overline{MC_5}$	F 6	H 7	$\overline{MC_0}$
C_5	H 7	J 8	M_5
M_0	J 8	K 9	C_1
C_0	K 9	L 10	M_1
M_4	L 10	M 11	C_7
C_6	M 11	N 12	M_7
M_3	N 12	P 13	M_2
C_3	P 13	R 14	C_2
M_6	R 14	S 15	A_0

CONN. 2			
A_7	A 1	B 2	A_2
A_6	B 2	C 3	A_1
A_5	C 3	D 4	A_3
A_4	D 4	E 5	FD
RDDA	E 5	F 6	DISL
BSY	F 6	H 7	HESL
½TA	H 7	J 8	RD
$\overline{ST_6}$	J 8	K 9	FOMT
WORD RQY	K 9	L 10	KC_{15}
$\overline{FOMT}$	L 10	M 11	KC_{28}
ERROR	M 11	N 12	KC_{05}
ERROR	N 12	P 13	$\overline{ADSS}$
KC_{35}	P 13	R 14	WTCK
LAI	R 14	S 15	$\overline{SI}$
PM	S 15		FR

CONN. 3			
$\overline{STE}$	A 1		STW
CNTRLG	B 2		ACU
DC_{14}	C 3		CNTRL
ED_0	D 4		$\overline{t_4}$
$\overline{To_1}$	E 5		ESG
ED_2	F 6		WTG
RCLK	H 7		RDG
STW	J 8		R_0
WCD	K 9		R_2
R_7	L 10		R_1
ADI	M 11		R_0
$\overline{ADI}$	N 12		
	P 13		+20V
	R 14		+5VR
DC_{12}	S 15		

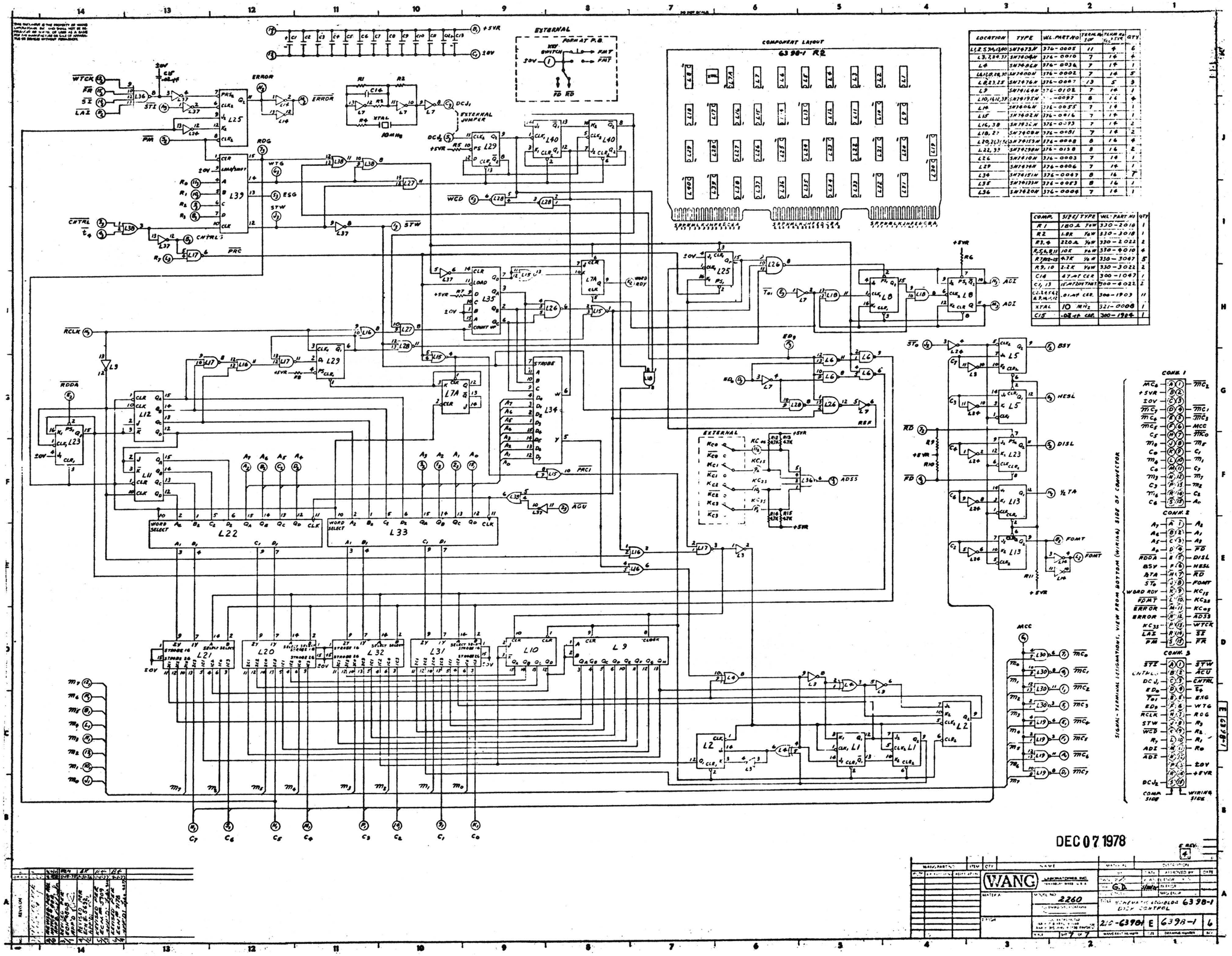
SIGNAL TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

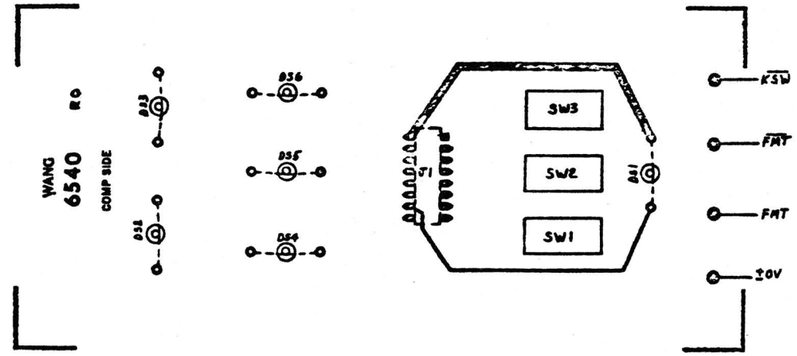
DEC 28 1978

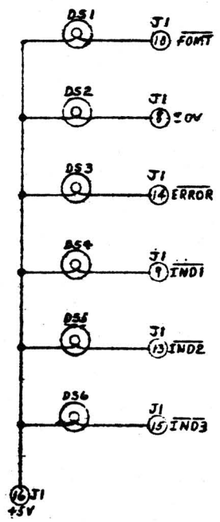
REVISIONS					
6	REVISED PER ECN 4869	MLL	4/8/77		
5	ADDED L36 PER ECN 4869	MLL	4/8/77		
4	ADDED L35 PER ECN 4869	MLL	4/8/77		
3	ECN 4869	MLL	4/8/77		
2	ADDED L34 PER ECN 4869	MLL	4/8/77		
1	ECN 4856	MLL	3/30/77		
0	ECN 4556	MLL	10/15/76		

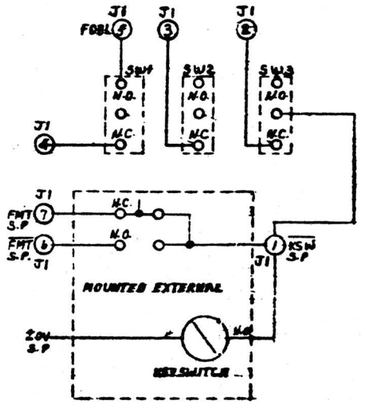
WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		BY: DATE: APPROVED BY: DATE:
					DWN. J.F.S. 4-25-77 ENGR. R.H. 11-3-78
					CHK. G.D. 4/28/77 PROJ.
					E.C. CONTROL: MISC. ENGR.
			MATERIAL: 650/730/2230		TITLE: SCHEMATIC ASSEMBLY 6398 DISK CONTROL
			FINISH:		SIZE: 215-6398 E 6398 4

E REV. 2


EXTERNAL
FORMAT P.B.
WRT SWITCH
+5VR
+10V
FMT
FMT
FD RD
COMPONENT LAYOUT
63 98-1 R2
EXTERNAL JUMPER
10MHz
WTCK
ERROR
RDG
WTG
ESG
STW
CNTRL
WCD
RCLK
RDDA
WORD SELECT
L22
L33
L21
L20
L32
L31
L10
L9
L12
L11
L34
L35
L36
L37
L7A
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L73
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L80
L81
L82
L83







WANG LABORATORIES INC		PL 6540 - 4	
CONTROL PANEL ASSY.	DRAFT F.M. 3/14/74	FRONT PANEL CONTROL	

QTY REQUIRED	-4	1	3	6	1	1	X	ITEM
VENDOR PART NUMBER		510-6540	325-	370-0015	376-9008	376-3008		
VENDOR DRAWING NUMBER							D6540-1	
WANG PART OR DESCRIPTION		6540 PC BOARD	SCORPIO 65-1 SWITCH	CMB-820 CLEAR LAMP	16 PIN IC SOCKET CAMBION	IC PAD 16 PIN TENMA #4350	SCHEMATIC	

2243
PL 6540-4

CHANGE IN PROCESS
PER ECN 6714
DATE NOV 03 1978 DEC 07 1978

REV	BY	DATE
1	REVISED PER ECN 6714 APP'D	M.F 11-2-78
2	REVISED PER ECN 6714 APP'D	D.C. 12-7-78

TOL. UNL. AS NOTED
XX ±.010 FRAC. ±1/64
XXX ±.005 ANG. ±0°30'

IDENT	QTY	NAME	MATERIAL	DESCRIPTION
		WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.	DR M.F	DATE 3/27/74
			CHK	DATE
			APPD DJC	DATE 4/25/74

MODEL No. 2243 | W.O. No. | SCALE | SHEET 1 OF 1

TITLE SCHEMATIC LOGIBLOC #6540 FRONT PANEL BOARD

PART NUMBER	REV	SIZE	DRAWING NUMBER
	2	C	6540-1

THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF WANG LABORATORIES, INC., AND IS CONFIDENTIAL AND PROPRIETARY TO WANG LABORATORIES, INC. IT MAY NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART FOR ANY REASON.

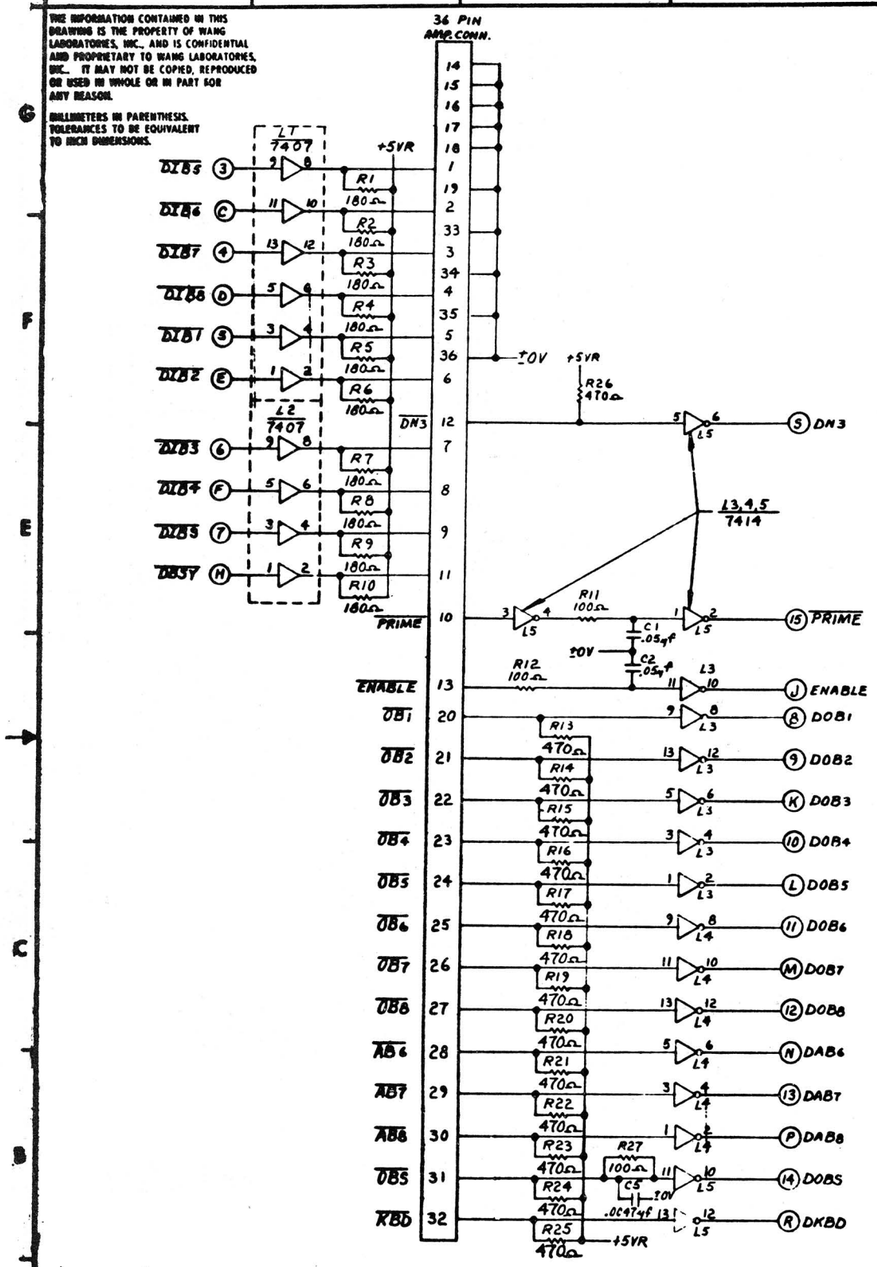
MILLIMETERS IN PARENTHESIS.
TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.

DO NOT SCALE

HOLE LEGEND & TOLERANCES

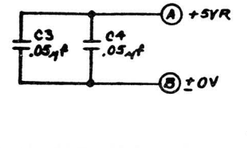
HOLE DIA	TOLERANCE
.020 - .125	+.003 -.001
.126 - .250	+.004 -.001
.251 - .500	+.005 -.001

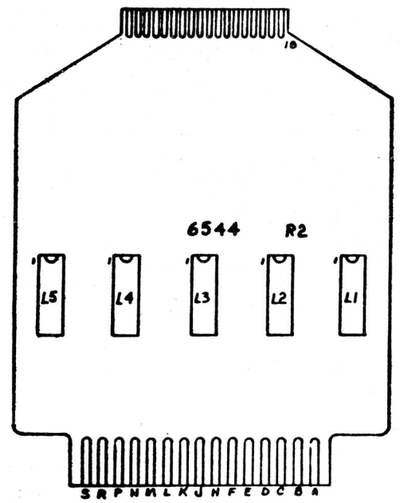
SYMB.	DESCRIPTION	QTY
A		

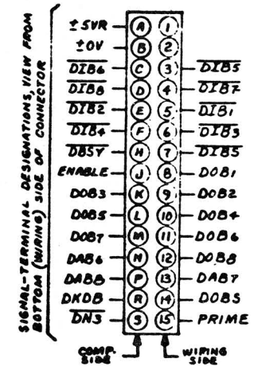


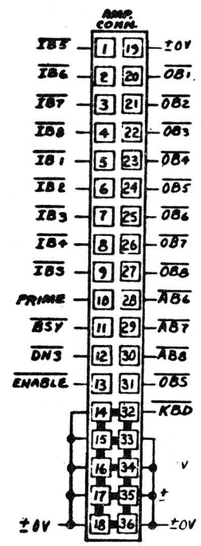
COMPONENT	W.L. PART NO.
R1-10	330-2018
R11,12,27	330-2010
R13-26	330-2047
C1-4	300-1900
C5	300-1910

LOCATION	W.L. PART NO	TERM. NO. ±0V	TERM. NO. V_{CC} +5VR
L1,2	376-0056	7	14
L3,4,5	376-0139	7	14









DEC 07 1978

E-REV 1

REVISION	BY	DATE
REVISED PER ECN #6423 APP'D: [illegible]	[illegible]	6-7-77
REVISED PER ECN #6854 APP'D: [illegible]	[illegible]	8-1-77

QTY.	ITEM	WANG PART NO.	DRAWING NO.	DESCRIPTION
NEXT ASSY.				

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	[illegible]	3-10-77	E ENGR	
CHK	[illegible]	3-22-77	M ENGR	
			MFG ENGR	

MATERIAL

MODEL NO. 2224
SEE ENGRG. SPECIFICATIONS No.

FINISH

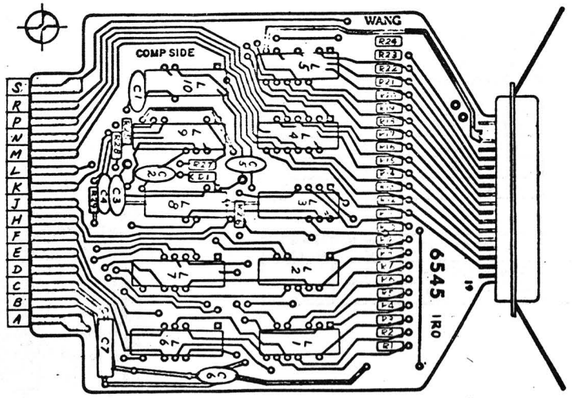
TOL. EX. AS NOTED
XX ± FRAC. ±
XXX ± ANG. ± FINISH √

TITLE 2200 DISK MULTIPLEXER

210-6544-1 | D | 6544-1 | 1
WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

SCALE [illegible] SHT 5 OF 7

D 6544-1



QTY PER EACH NO.	NEXT	WANG PART NUMBER	WANG DRAWING NUMBER	NOMENCLATURE OR DESCRIPTION	LOCATION	ITEM NO.
1		510-6545		6545 PC BOARD		1
						2
1		376-0051		74121 IC	L10	3
2		- 0055		7406	L4,5	4
1		- 0056		7407	L3	5
1		- 0080		74123	L9	6
1		- 0093		7432	L8	7
2		- 0119		74175	L6,7	8
2		376-0139		7414 IC	L1,2	9
						10
						11
1		380-1001 48		30V SIL DIODE	D1	12
						13
1		350-1038		J1 57-40360 CONN NON-HI-BARRIER		14
						15
						16
						17

PL 6545-210-6545 SHT 2 OF 3 REV A

NOTES: ALL RESISTORS ¼ W 10% UNLESS SPECIFIED OTHERWISE

QTY PER EACH NO.	NEXT	WANG PART NUMBER	WANG DRAWING NUMBER	NOMENCLATURE OR DESCRIPTION	LOCATION	ITEM NO.
3		300-1903		.01 UF 25V CER CAP	C2,5,6	18
1		1300-4022		.5 UF 20V TANT CAP	C7	19
1		300-1900		.05 UF 12V CER CAP	C4	20
14		330-2222 R		220 Ω	R11-24	21
						22
11		- 3022 R		2.2 K	R1-10,27	23
1		- 3047		4.7 K	R28	24
1		330-3056		5.6 K	R25	25
2		330-3010		1 K	R26,29	26
1		300-1911		.0068 MF CER.	C1	27
1		300-1915		.0056 MF CER.	C3	28
						29
						30
						31
						32
						33
X			D6545-1	SCHEMATIC		34

PL 6545-210-6545 SHT 3 OF 3 REV A

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

CONN. 1

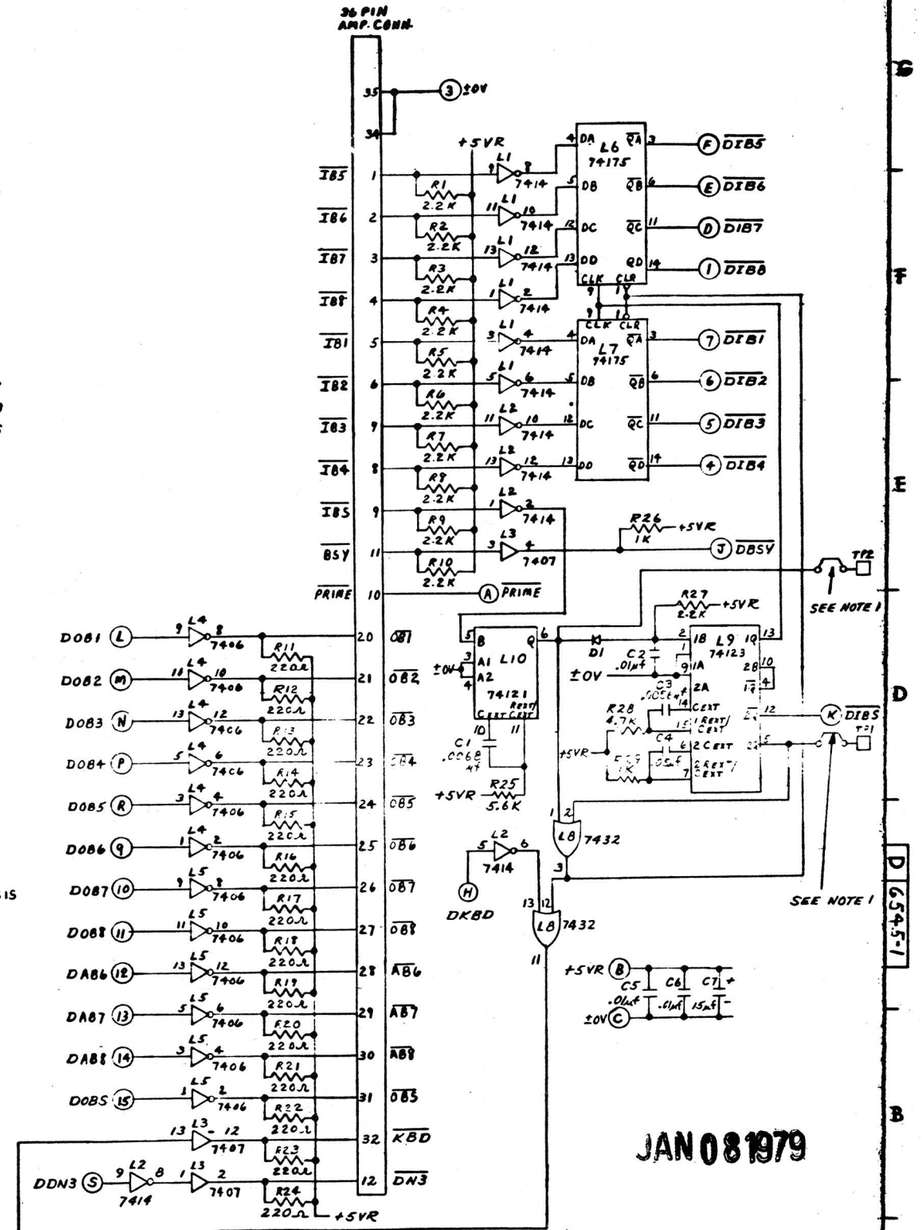
PRIME	A 1		DIB8
+5VR	B 2		
±0V	C 3		±0V
DIB7	D 4		DIB4
DIB6	E 5		DIB3
DIB5	F 6		DIB2
DKBD	H 7		DIB1
BSY	J 8		
DIB3	K 9		DOB6
DOB1	L 10		DOB7
DOB2	M 11		DOB8
DOB3	N 12		DAB6
DOB4	P 13		DAB7
DOB5	R 14		DAB8
DDN3	S 15		DOB5

COMP SIDE — WIRING SIDE

36 PIN AMP. CONN.

IB5	1	19	
IB6	2	20	OB1
IB7	3	21	OB2
IB8	4	22	OB3
IB1	5	23	OB4
IB2	6	24	OB5
IB3	7	25	OB6
IB4	8	26	OB7
IB5	9	27	OB8
PRIME	10		AB6
BSY	11	29	AB7
DN3	12	30	AB8
TP1	13	31	OB5
TP2	14	32	KBD
	15	33	
±0V	16	34	
±0V	17	35	
CHASSIS GRND	18	36	

I.C. LOCATION	TERM FOR ±0V	TERM FOR VCC +5VR
L1,2	7	14
L3	7	14
L4,5	7	14
L6,7	8	16
L8	7	14
L9	8	16
L10	7	14



NOTE:
1. JUMPERS ON TEST POINTS TP1 AND TP2 SHALL BE DISCONNECTED AFTER TESTING.

ECN
NO. Pkg 6427
PENDING E6545

JAN 08 1979

REV	BY	DATE	REVISION
A	M.F.	5-2-74	REVISED PER AFA 0881 APP'D
B	M.F.	5-3-74	REVISED PER AFA 0915 APP'D
C	BR	6-13-74	CHANGED PER PCR-0082 APP'D

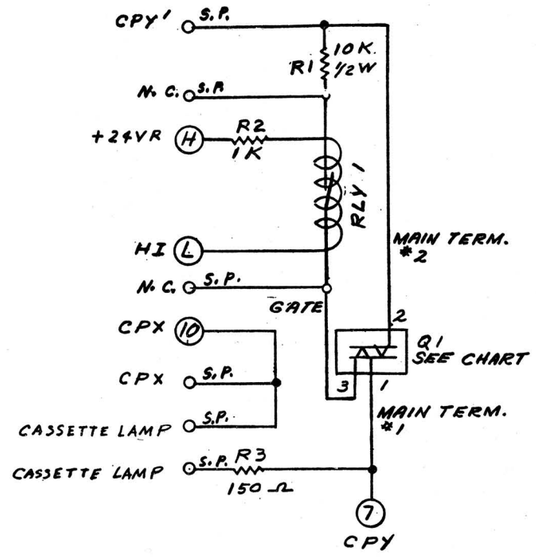
E.REV. D

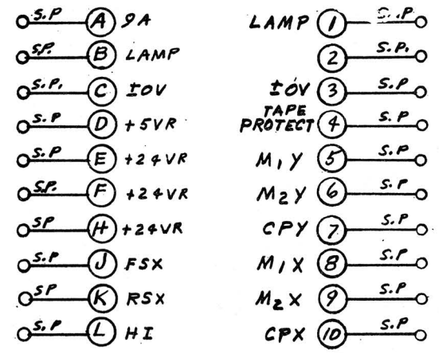
WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN	APP.	
2224	M F 4/1/74		6/26/74
	CHECKED 4/21/74	APP.	

TITLE: SCHEMATIC LOGIBLOC # 6545 DISK MULTIPLEXER

SHT 4 OF 5 | SIZE D | DWG. NO. 6545-1 | REV. D



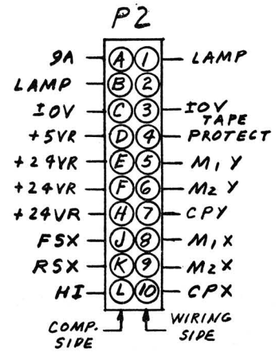


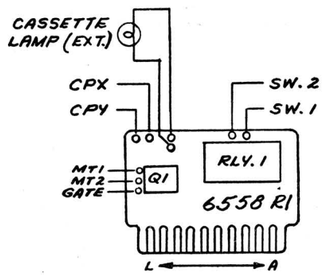
COMP.	W.L. PART No.
R1	331-4010
R2	330-3010
R3	330-2015
Q1	375-3002
RLY. 1	320-0047

NOTE:
1. FOR INTERCONNECTING DIAGRAM SEE DWG. D5996-123

HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	+.003 -.001
	.126 to .250	+.004 -.001
	.251 to .500	+.005 -.001

IDENT.	DESCRIPTION	QTY.
A		





"Q1" CHART

COMPONENT	TERMINAL MT1	TERMINAL MT2	TERMINAL GATE	PIN CALL-OUT
W.L. 375-3001 40526 (T2300B)	1	3	2	BOT. VIEW
W.L. 375-3002 2N6070B	1	2	3	TOP VIEW

E-REV 1

NO.	REVISION	BY	DATE
A	REVISED PER E.C.N. #4395 & #3959 APP'D	F.B.	10/17/74
0	RELEASE TO PROD. PER E.C.N. #4479 ADD'D	F.S.S.	11-21-74
1/1	REVISED PER E.C.N. #4552 & E.C.O. #1318 APP'D	F.S.S.	2-8-75

WANG PART NO.	ITEM	QTY.	NAME
Qty. Per Unit	FIRST USED ON	ASSY USED ON	

WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.

MATERIAL	DESCRIPTION
MODEL NO. TD-24	SEE ENGRG SPECIFICATIONS No.
FINISH	TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 125

BY	DATE	APPROVED BY	DATE
DWN	7/23/74	E ENGR	
CHK	10/29-74	M ENGR	
E. C. CONTROL		MFG ENGR	

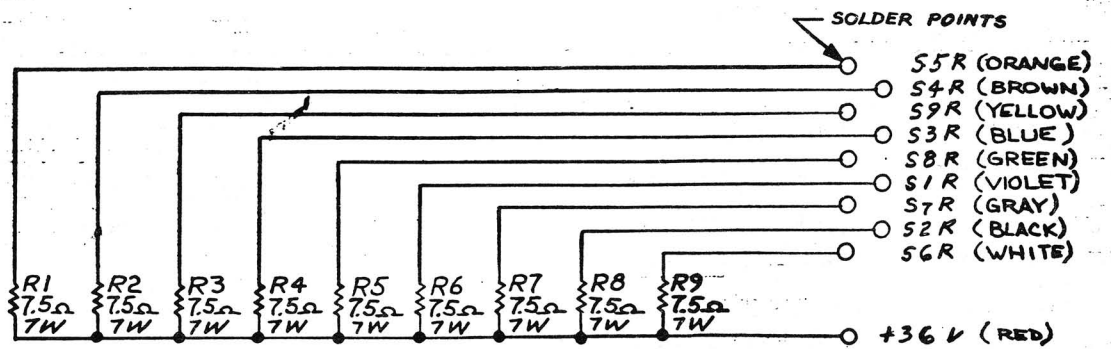
TITLE: SCHEMATIC, AUTO ON/OFF 6558

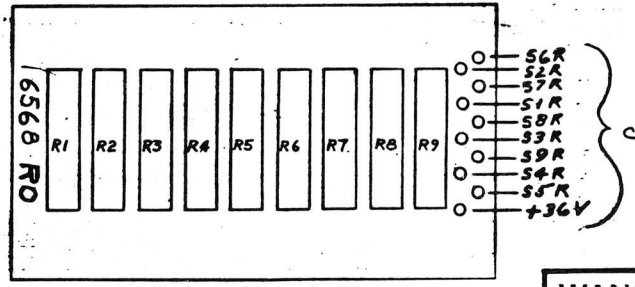
210-6558	C	6558	1
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

SCALE | SHT 4 OF 5

8559 D

DO NOT SCALE





COMPONENT LAYOUT

COMPONENT	W.L. PART NO.
R1 - R9	334-0025

CABLE 270-3052

FOR INTERCONNECTION SEE E6635-999

E-REV 0

SH. 1 OF 1

NO	E.K.	G.D.		D.T.
0-10	3-21-75	5-19-75	8-19-75	7-8-75
REVISIONS A	ORIGINATED PER W.O. 401 APPD.			
B		REL. TO Prod APPD 7-15-75		
C			REV. PER ECN #8339 APPD	
D				REV. PER ECN #8339 APPD

DEC 07 1978

210-6568

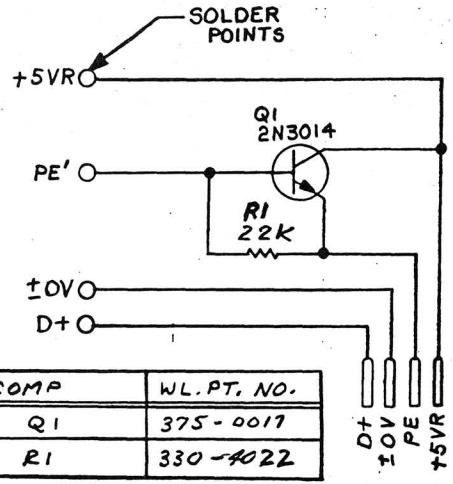
WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

MODEL NO.	DRAWN		APPD	
72	EK	4-8-75	R. Chen	8-20-75
	CHECKED	4/16/75	APPD	

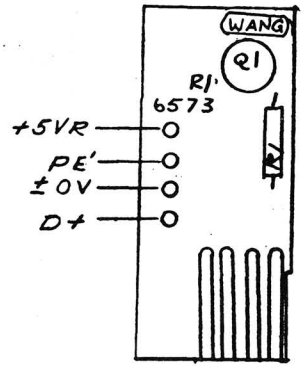
TITLE
SCHEMATIC LOGIBLOC
RESISTOR BRACKET

W.O. NO.	SCALE	DWG. NO.	REV
401	NONE	A 6568	2

DO NOT SCALE



COMP	WL. PT. NO.
Q1	375-0017
R1	330-4022



NO.	REVISION	DATE	BY
0/0	RELEASED TO PRODUCTION PER ECO #1394 APP'D: P. Rivkin	1/19/75	EBA
1/1	RESISTOR R1 WAS 100K 1/4W, PER ECN #4822 5/21/75 APP'D: Robert Chen	5-21-75	EBA
2/3	REVISED PER ECN #5401 of 5/30/76 APP'D R. Chen 6/4/76	5.30.76	

COMPONENT LAYOUT

E REV 3

DEC 07 1978

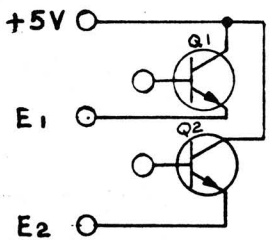
WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

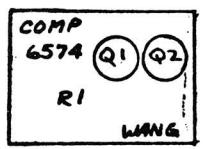
MODEL NO.	DRAWN		APPD	
72	CHECKED	10-18-74	APPD	

TITLE: FINGER BOARD #2

W.O. NO.	SCALE	DWG. NO.	REV
SHT 4 OF 5		A 6573	2

DO NOT SCALE





COMPONENT LAYOUT

COMPONENT	W.L. PART NO.
Q1, Q2	375-2104

E. REV.
0

NO.	REVISION	BY	DATE
0	REVISED PER D.C.R.#2251 ADDED MFG.	E.S.	8-24-74
1/0	REV. PER RFA # 1769	R	11-4-74

WLI# 210-6574 Sheet 4 of 5

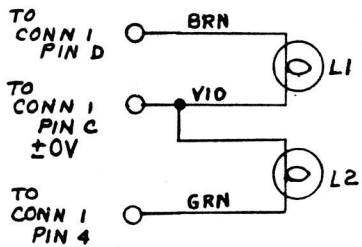
WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

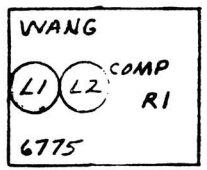
MODEL NO.	DRAWN		APPD
2221-W	CHECKED	9-10-74 / 11-9-74	APPD

TITLE
PHOTOTRANSISTOR MATRIX PRINTER

W.O. NO.	SCALE	DWG. NO.	REV
		A 6574	0

DO NOT SCALE





COMPONENT LAYOUT

COMPONENT	W.L. PART NO.
L1, L2	380-0104

E-REV

0

NO.	REVISION	BY	DATE
B	REVISED PER D.C.R.#252 APPD H.G.	F.S.	11 8 74
%	RELTO PROD APP'D HG 8-4-75	G.D	3/26/75

WLI# 210-6575

Sheet 4 of 5

WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

MODEL NO.	DRAWN	DATE	APPD	
2221-W	CHECKED H.G.	11.9.74	APPD	

TITLE: LED (LAMP) MTG. MATRIX PRINTER

W.O. NO.	SCALE	DWG. NO.	REV
	—	A 6575	0

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DO NOT SCALE

HOLE LEGEND

DRILLED OR PUNCHED HOLE	HOLE DIA.	TOL.
TOLERANCES	.0135 to .125	± .003
	.126 to .250	± .004
	.251 to .500	± .005

ECNT.	DESCRIPTION	QTY.
A		

LOCATION	W.L. PART NO.	PIN NO. = 0V	PIN NO. Vcc = +5VR
L1, 3, 11, 21	376-0046	7	14
L2, 8, 12, 18, 22	-0104	8	16
L4	-0003	7	14
L5, 12, 39	-0005	11	4
L6, 9, 10, 13, 23, 33	-0002	7	14
L7, 14, 19, 29, 26, 34, 36	-0010	7	14
L20, 31	-0026	7	14
L16	-0051	7	14
L17, 28	-0126	1	8
L22	-0004	7	14
L24, 25, 35, 38	-0165	—	8
L32	-0008	8	16
L37, 38	-0055	7	14
L15	376-0025	7	14

PARTS LIST

COMPONENT	W.L. PART NO.
R1-7, 9, 20, 64, 71	330-3010
R8, 10	-2047
R11, 12, 14, 29, 31, 32, 40, 43, 51	-3022
R13, 17, 18, 21, 22, 25, 28, 33, 37, 39, 42, 44, 46, 49, 50, 53, 60, 62, 67, 68, 70, 63	-3047
R15, 19, 69	-4018
R16, 55	-4056
R54	-4022
R24, 36, 38, 41, 52, 66	-1010
R 30, 47	-4010
R26, 34	-4033
R45, 61, 72	-6015
R48	-4012
R56	330-2033
R57	332-1022
R58	330-3033
R59	330-3012
C1, 2	300-1010
C3	-4018
C4, 6	-4010
C5, 12	-4000
C10, 27, 42, 43	-1904
C11	-4016
C9	-1910
C23	-1911
C13	-5005
C14, 38, 39, 40	-4022
C15, 16, 19	-1901
C17, 24, 25	-2022
C18	-2010
C20, 26	-4014
C21, 22	-2110
C28-37	-1900
C7	300-1820
L1, 2, 3, 4	380-1004
Q1, 2	375-0017
Q3	375-1027
C41	300-1270
R67	330-3056
Q1, 2	375-9004
Q3	375-9001
C44, 45	300-1906
D23	300-1009

COMPONENT	W.L. PART NO.
C47	300-1907
R23	330-4019
C8	300-1042

COMPONENT LAYOUT

CONN.1

T.R 4	A 1		
+5VR	B 2		FT
±0V	C 3		CIP
DT1	D 4		DT4
DT2	E 5		DT5
DT3	F 6		DT6
IP	H 7		DT7
DT8	J 8		DSTB
T.R 3	K 9		T.R
CR1	L 10		BUSY
ACKLG	M 11		SLCT
SFG	N 12		POWER ON PRIME
SPARE FUNCTION	P 13		FFP
VTP	R 14		LFP
SPARE FUNCTION	S 15		SPARE FUNCTION

CONN.2

EC	A 1		EC
CLR	B 2		
LFD	C 3		SPARE
LFE	D 4		SL
MKL FUNCTION	E 5		
CR6	F 6		T.R.
b7	H 7		PF
CP	J 8		TP6
COVER OPEN	K 9		
PAPER OUT	L 10		SFM
RS	M 11		SELECT SW on
ENDP	N 12		CR5
b5	P 13		b3
b4	R 14		b6
b2	S 15		b1

CONN.3

-12V	A 1		SLCTR
	K 2		T.R 5
FAULT	C 3		
ALARM LIGHT	U 4		T.R 2
SPKR	E 5		CLRM
CLCR	F 6		PS
	H 7		
PAPER OUT	U 8		SELECT LIGHT
	K 9		OSCXT
PO	L 10		RD
RB	M 11		SELECT SW. OFF
TIME METER	N 12		T.R 1
	P 13		+0V
	R 14		-5VR
FORM OVER-RIDE	S 15		

COMP. SIDE — WIRING SIDE

SIGNAL - TERMINAL DESIGNATION'S, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

REVISION	BY	DATE	APPROVED BY	DATE
A ECN 01282 ADDED R64 & D20				
B ECN 01283 CHANGED PER RFA 312				
C ECN 01284 ADDED R65 & D21				
D ECN 01285 ADDED R66 & D22				
E ECN 01286 REVISED R24 & R25				
F ECN 01287 REVISED R36 & R37				
G ECN 01288 REVISED R41 & R42				
H ECN 01289 REVISED R51 & R52				
J ECN 01290 REVISED C26 & C27				
K ECN 01291 REVISED C40 & C41				
L ECN 01292 REVISED R67 & R68				

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
QTY PER NEXT ASSY USED ON			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		BY / DATE / APPROVED BY / DATE
				DWN	E ENGR
			MATERIAL / MNFR'S NO. 72	CHK	MFG ENGR
			SEE ENGR SPECIFICATIONS No.	E. C. CONTROL	
			FINISH	TOL. EX. AS NOTED .XX ± .010 .FRAC ± 1/64 .XXX ± .005 ANG. ± 1/2° SURFACE	TITLE SCHEMATIC LOGIBLOC 607 & 10 OPTIONS FOR DATA STORAGE
				SIZE	SHT 4 OF 6

210-6576 | E | 6576-11

WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

E REV 10

9547

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DO NOT SCALE

JUMPER

ADJUST PER R36 (50K POT.)

ADJUST PER R11 (25K POT.)

SOLDER POINTS

SEE CHART FOR JUMPER LOADING

SEE CHART FOR JUMPER LOADING

SEE CHART FOR JUMPER LOADING

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

CONN. 1		
+12V(SW)	A1	-12V(SW)
+5VR	B2	TP5
±0V	C3	TACH+ (5V)
-24V	E5	+18V
MD	F6	24VAC (L)
RS2	J8	
RS1	K9	MS1
TP6	L10	MS2
PEPE	M11	PED+
FFD+	N12	VTD+
FFPE	P13	AY
VTPE	R14	BY
AY	S15	BY

CONN. 2		
PFB	A1	
	B2	MDB+
CRB	C3	
VTP	D4	
TP7	E5	
	F6	MDB-
SW0	H7	
SW1	J8	
CTP	K9	
SW2	L10	
FFM	M11	
CFM	N12	
LFM	P13	
POWER ON PRIME	R14	
LFE	S15	

CONN. 3		
SFM	A1	TP2
SL	B2	
RB	C3	
RS	D4	
PP	E5	
FT	F6	
FFP	H7	TP3
LFP	J8	TP4
LFD	K9	SLCTR
WS	L10	CLCR
RD	M11	CRA
PE	N12	±0V
TP1	P13	±0V
	R14	+5VR
CF	S15	D+

COMA SIDE — WIRING SIDE

LOCATION	WL. PART No	±2V	+5VR
L1,8,9	376-0074	—	—
L2	376-0055	7	14
L3,10,17,21,26,28, 29,30,31	376-0002	7	14
L4,14,15,16,19,22,23	376-0003	7	14
L5,12,24 ,27	376-0010	7	14
L6	376-0025	7	14
L7	376-0126	1	8
L11,13	376-0005	11	4
L18	376-0028	7	14
L20,	376-0039	7	14
L25	376 0104	8	16

I.C. TYPE	LOCATION	SPARES
7406	L2	3
7400	L10	1
7400	L17	2
74H05	L20	1
7410	L23	1
7400	L28	1

JUMPER LOADING CHART

STANDARD	OPTION 1	OPTION 2
A TO B	B TO C	B TO C
D TO E	D TO E	E TO F

COMPONENT LAYOUT

COMPONENT	WL. PART No
R1, 77, 82, 107	331-2010
R2, 3,	330-4022
R4, 23	330-4010
R5	330-4016
R6	330-5015
R25, 33, 78, 80, 83, 85, 90, 108	330-4047
R 3, 103-106	330-2022
R7	330-4027
R13, 16, 17, 20, 43, 45, 47, 49, 51, 52, 55, 56, 58, 61, 64, 67, 70, 76, 88, 95, 96, 97, 98, 110	330-3047
R14	330-5010
R15, 57, 60, 71, 72	330-3022
R19, 42, 44, 46, 48, 50, 69, 75 -	330-1010
R34	331-2027
R22	330-5034
R99, -102	331-2047
R24, 26	330-5048
R27	330-5040
R28	330-6017
R29	330-5033
R30	330-3023
R31, 37, 87	330-3010
R32, 36	331-2047
R33	331-2033
R 89	330-3018
R35	330-1033
R63, 66	330-2033
R40, 41	330-6023
R53, 54	330-5062
R 59, 62	330-2068
R 64, 65	330-2047
R65, 69	332-1015
R73	330-6018
R74, 81, 86, 18, 10	330-5012
R109	330-4039
R38, 12	336-1017
R79, 21, 84	330-6022
R111	330-4056

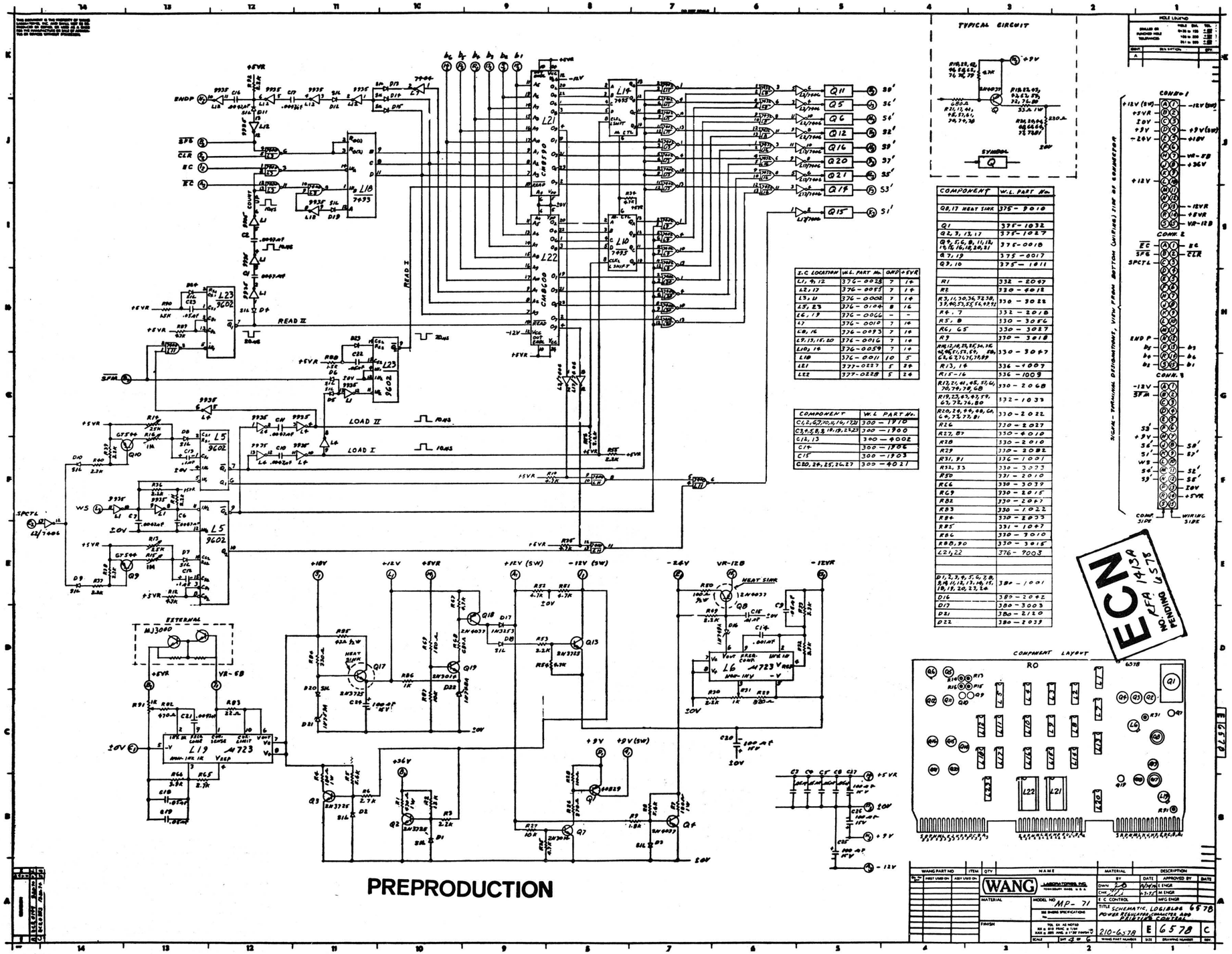
COMPONENT	WL. PART No
Q1, 12, 13	375-0017
Q2, 5	375-1027
Q3, 4, 7, 10, 11, 16, 17	375-0018
Q 6, 8	375-1022
Q1, 9, 12, 13, 15, 18	375-9004
RLY 1, 2, 3	320-0047
Q2, 3, 5-8, 10, 11 16, 17	375-9001
C1	300-2110
C2, 3,	300-2047
C5, 11-13, 18, 24, 33-35	300-1904
C6	300-1150
C7	300-1470
C8	300-1082
C32	300-1906
C10	300-2215
C 36, 14, 15, 26, 27, 28, 29, 30, 31	300-1903
C16, 17	300-4013
C22, 23	300-2147
C25, 4	300-4022
C19-21	300-1910
C2-9	380-1001
C9	300-1914
Q9, 14, 15	375-1006
R8, 11, D1	NOT USED

FOR INTERCONNECTION SEE WWG EE635-999

JAN 08 1979

E-REV 13

| DIVISION | REVISED PER E.C.O. 6015, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000 | | |



COMPONENT	W.L. PART No.
Q8,17 HEAT SINK	375-3010
Q1	375-1032
Q2, 3, 13, 17	375-1027
Q4, 5, 6, 8, 11, 12, 15, 16, 18, 20, 21	375-0018
Q7, 19	375-0017
Q9, 10	375-1011
R1	332-2097
R2	330-4012
R3, 11, 30, 36, 72, 38, 39, 40, 73, 35, 54, 69, 71	330-3028
R4, 7	332-2018
R5, 8	330-3056
R6, 65	330-3057
R9	330-3018
R10, 12, 18, 28, 34, 37, 46, 48, 51, 57, 59, 64, 67, 77, 78, 79, 88	330-3047
R13, 14	336-4007
R15-16	336-1009
R17, 21, 41, 45, 47, 61, 70, 75, 76, 85	330-2068
R19, 23, 63, 67, 79, 83, 72, 74, 80	332-1039
R20, 24, 44, 60, 66, 69, 75, 77, 81	330-2022
R26	330-2027
R27, 87	330-4010
R28	330-2010
R29	330-2082
R31, 81	336-1001
R32, 33	330-3023
R50	331-2010
R64	330-3039
R69	330-2015
R82	330-2047
R83	330-1022
R84	330-2033
R85	331-1047
R86	330-3010
R88, 90	330-3015
L22, 22	376-9003
D1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 18, 19, 20, 23, 24	380-1001
D16	380-2042
D17	380-3003
D21	380-2120
D22	380-2033

I.C LOCATION	W.L. PART No.	GND	+5VR
L1, 4, 12	376-0025	7	14
L2, 17	376-0055	7	14
L3, 11	376-0008	7	14
L5, 23	376-0104	8	16
L6, 13	376-0066	-	-
L7	376-0019	7	14
L8, 16	376-0053	7	14
L9, 15, 18, 20	376-0016	7	14
L10, 14	376-0059	7	14
L19	376-0011	10	5
L21	377-0227	5	24
L22	377-0228	5	24

COMPONENT	W.L PART No.
C1,2,C7,10,11,16,17,21	300-1910
C3,4,5,8,9,18,19,22,23	300-1900
C12, 13	300-4002
C14	300-1906
C15	300-1903
C20, 24, 25, 26, 27	309-4021

WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
NEXT ASSY			WANG LABORATORIES, INC.	BY	DATE / APPROVED BY / DATE
				DWN	
MATERIAL			MODEL NO MP-71	CHK	E ENGR
			SEE SHEET SPECIFICATIONS	E C CONTROL	M ENGR
FINISH			TOL EX AS NOTED .XX ± .010 .XXX ± .005 ANG ± 1/2°		MFG ENGR
				TITLE SCHEMATIC, LOGIC/LOG POWER REGULATOR, CONNECTOR, AND PRINTER CONTROL	6078
			SCALE	210-6378 WANG PART NUMBER	E 6578 C SIZE / DRAWING NUMBER / REV

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HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES	HOLE DIA	TOL
	.0135 to .125	± .003
	.126 to .250	± .004
	.251 to .500	± .005

IDENT	DESCRIPTION	QTY
A		

W.L. PART NO.	COMPONENT	TYPE
350-0033	CONN.	15 PIN DOUBLE ROW
350-0021	J12,13	44 PIN CONN. 50-44C-20
350-0028	J10	10 POS CONN. 225-21021-110 PC
350-0036	J8	24 POS. CONN 50-24B-10 CU
654-1177	J1,11	16 POS. PIN HEADER ASSY. AMP 350-2141
654-1172	J2,6,9	12 POS. PIN HEADER ASSY. AMP 350213-1
654-1188	J7	10 POS. PIN HEADER ASSY. AMP 1-350991-0
654-1190	J3,5	8 POS. PIN HEADER ASSY. AMP 350212-1
654-1186	J4	6 POS. PIN HEADER ASSY. AMP 1-350993-0
325-2300	SW.1	MICRO SWITCH 11SM80-7

NOTES:
1- FROM COLLECTOR OF MJ 3000.
2- FROM COLLECTOR OF MJ 2500.
3- FOR INTERCONNECTION DIAG. OF CHASIS SEE DWG # E 6635-999

CHANGE IN PROCESS
PER ECN 9605
DATE OCT 26 1978

REV	REVISION	BY	G.D.	G.D.	G.D.	EDA	AT	PD	BG
			3-13-75	6-11-75	7-3-75	10-9-75	12-1-75	5-18-76	6-18-76
0	REVISED PER RFA-1539, 1661A MANNED-UP RUN LIST. APP'D.								
1/8	REVISED PER ECN # 4765 ECN # 4801, 4829 APP'D.		5/19/75						
1/4	REVISED PER ECN # 4860 APP'D.			6/19/75					
3	REVISED PER ECN # 4912 APP'D.				7/3/75				
4	REVISED PER ECN # 5123 APP'D.					10/9/75	10/16/75		
5	REVISED PER ECN 5162 APP'D.						12/1/75		
6	REVISED PER RFA # 2060 APP'D.							5/18/76	6/18/76
7	REVISED PER ECN # 5314 APP'D.								7/16/76

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
QTY PER UNIT	FIRST USED ON	ASSY USED ON			

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	DF	2-4-75	E ENGR	7/16/76
CHK			M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL

MODEL NO. 2221-W

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH 125

SCALE 1/2 SHT 1 OF 1

TITLE MOTHER BOARD

210-6579 | D | 6579 | 7 | WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

E REV 5

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HOLE LEGEND

	HOLE DIA	TOL
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	± .003
	.126 to .250	± .004
	.251 to .500	± .005

IDENT.	DESCRIPTION	QTY.
A		

COMPONENT	W.L. PART NO.
R1	330-4012
R2	330-4015
R3-10	330-3010
R11	330-2010
C1	300-4029
C2-8	300-1903
C9,10	300-4022
C11	300-1913

* SEE VARIATION CHART

LOCATION	W.L. PART NO.	TERM. NO. ±0V	TERM. NO. Vcc+5V
L1,34	376-0093	7	14
L2,29,30	376-0010	7	14
L3	376-0002	7	14
24 PIN SOCKET	376-9003		
L12	376-0005	11	4
L13,15,17,33	376-0053	8	16
L14,16,18	376-0094	8	16
L19-22	376-0137	8	16
L23	376-0139	7	14
L24,25,26	376-0082	8	16
L27,28	376-0097	8	16
L31,32	376-0113	8	16
L4-11	See Chart		

* VARIATION CHART

CHIP LOCATION	W.L. PART NO.
L4	376-0377 R1
L5	OPEN
L6	376-0373 R1
L7	376-0375
L8	376-0378 R1
L9	OPEN
L10	376-0374 R1
L11	376-0376

CONN.1

M5	A 1	M5
MWR	B 2	M4
±0V	C 3	M8
T.P.	D 4	R9
R1	E 5	
[illegible]	F 6	
T.P.	H 7	
	J 8	M3
	K 9	M2
C3	L 10	C2
	M 11	M7
C1	N 12	
C8	P 13	
IC2	R 14	IC1
IC0	S 15	IC7

CONN.2

IC4	A 1	
LAUX	B 2	BR
	C 3	T.P.
M6	D 4	
C6	E 5	
C7	F 6	
R10	N 7	
C5	J 8	
C0	K 9	IC8
R15	L 10	IC9
R14	M 11	
MA1	N 12	
MCDN	P 13	MCLP
MA3	R 14	MA2
MA0	S 15	R9

CONN.3

R13	A 1	PM
R8	B 2	R12
IC5	C 3	BLC
BR1	D 4	t4
BR8	E 5	R2
T.P.	F 6	R11
IC6	H 7	T.P.
IC3	J 8	t4
R4	K 9	R5
R7	L 10	R3
R6	M 11	t2
R/W	N 12	t4
	P 13	±0V
	R 14	±5VR
RS	S 15	-9V

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

COMP SIDE — WIRING SIDE

E-REV J

6595 RD

COMPONENT LAYOUT

DEC 07 1978

REVISIONS	LTR	BY	DATE
ORIGINATED.			
REVISED PER D.C.R. 4-1-77 APPD.	A		
REVISED PER D.C.R. 4-1-77 APPD.	B		
REVISED PER D.C.R. 4-1-77 APPD.	C		
REVISED PER D.C.R. 4-1-77 APPD.	D		
REVISED PER D.C.R. 4-1-77 APPD.	E		
REVISED PER D.C.R. 4-1-77 APPD.	F		

WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
DO NOT USE	FIRST USED ON	ASSY USED ON	WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		

	BY	DATE	APPROVED BY	DATE
DWN	[illegible]	10-16-74	E ENGR	
CHK	[illegible]	11/21/74	M ENGR	
E C CONTROL			MFG ENGR	

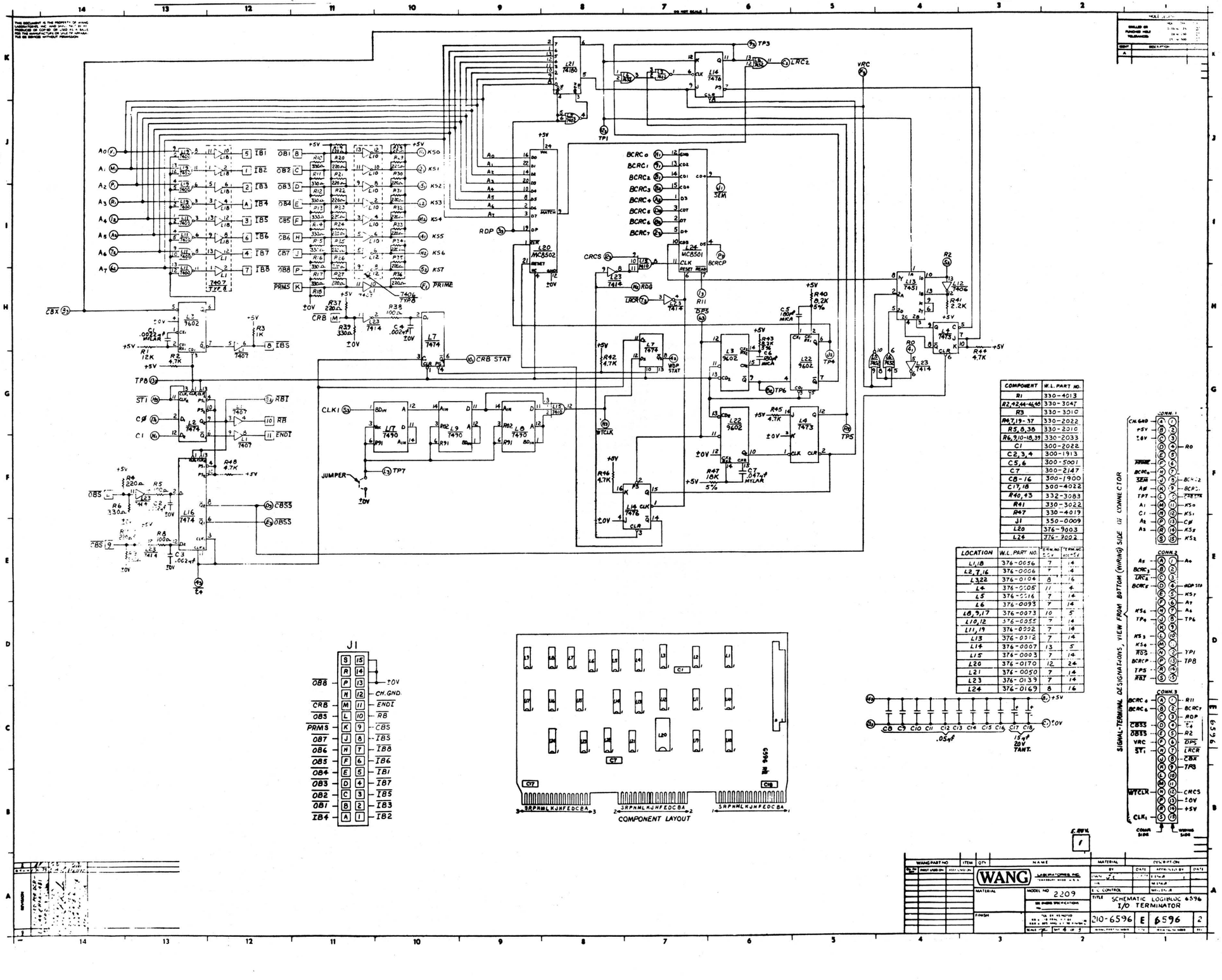
MATERIAL — MODEL NO. 2209 — SEE ENGRG SPECIFICATIONS No.

FINISH — TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH 125

TITLE: SCHEMATIC LOGIBLOC #6595 RAM/PROM

SCALE — SHT 4 OF 6 — 210-6595 — D — 6595 — 2

WANG PART NUMBER — SIZE — DRAWING NUMBER — REV



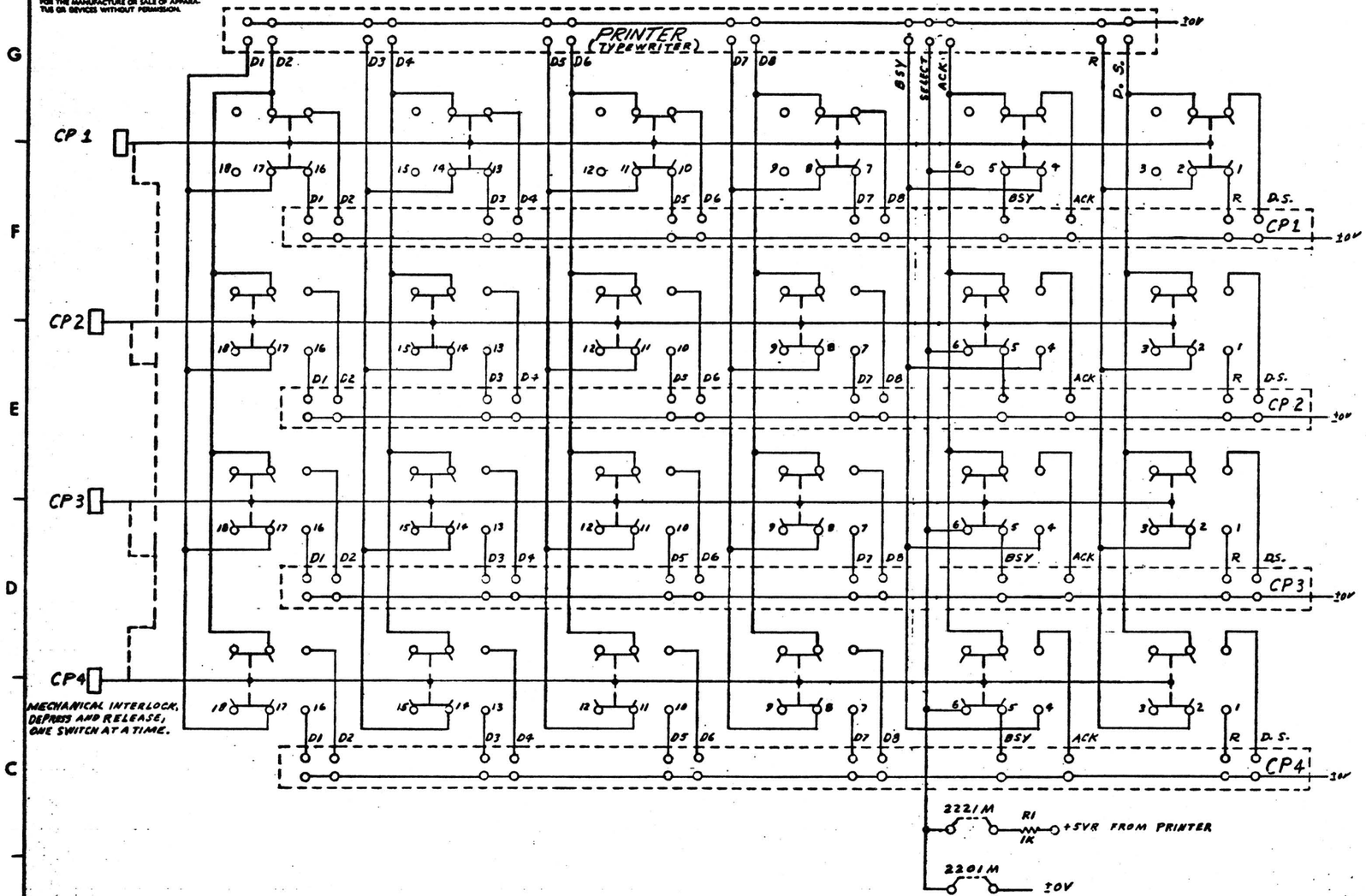
COMPONENT	W.L. PART NO.
R1	330-4013
R2,42,44-46	330-3047
R3	330-3010
R4,7,19-37	330-2022
R5,8,38	330-2010
R6,9,10-18,39	330-2033
C1	300-2022
C2,3,4	300-1913
C5,6	300-5001
C7	300-2147
C8-16	300-1900
C17,18	300-4022
R40,43	332-3083
R41	330-3022
R47	330-4019
J1	350-0009
L20	376-9003
L24	376-9002

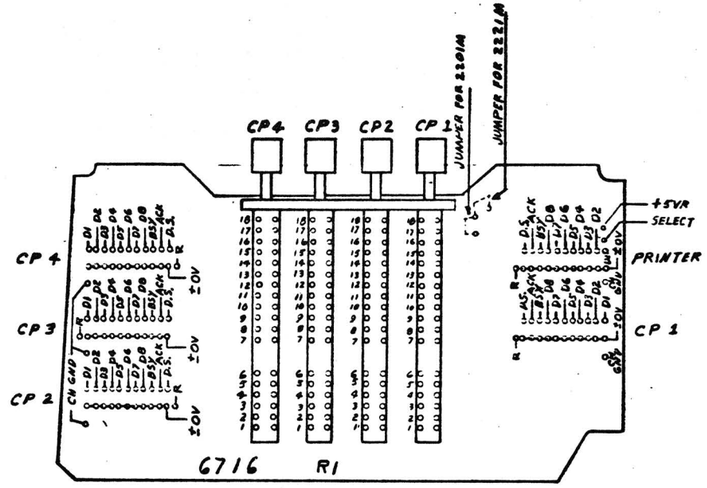
LOCATION	W.L. PART NO.	TERM. NO. +5V	TERM. NO. GND
L1,18	376-0036	7	14
L2,7,16	376-0006	7	14
L3,22	376-0104	8	16
L4	376-0005	11	4
L5	376-0016	7	14
L6	376-0093	7	14
L8,9,17	376-0073	10	5
L10,12	376-0055	7	14
L11,19	376-0002	7	14
L13	376-0012	7	14
L14	376-0007	13	5
L15	376-0003	7	14
L20	376-0170	12	24
L21	376-0050	7	14
L23	376-0139	7	14
L24	376-0169	8	16

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
WANG			MODEL NO 2209		
TITLE	SCHEMATIC LOGIBLOC 6596 I/O TERMINATOR				
210-6596	E	6596	2		

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DO NOT SCALE





HOLE LEGEND	HOLE DIA	TOL
DRILLED OR PUNCHED HOLE TOLERANCES	.0125 to 125	±
	126 to 250	±
	251 to 500	±

ISSMT.	DESCRIPTION	QTY.
A		

MODEL 2201M	MODEL 2221M	COMPONENT	W.L. PART NO.	
	1	GANG SWITCH	325-2227	
	4	CP1,2,3,4 CABLES	220-0131	REF. ONLY
	1	PRINTER CABLE	220-0130	REF. ONLY
4		CP1,2,3,4 CABLE	220-0127	REF. ONLY
1		TYPEWRITER	220-0126	REF ONLY
	1	R1	330-3010	1K ½ W

DEC 07 1978

E-REV 2

REVISION			
1	9/6	UPDATED PER ECN 4 5230	FB 7-25-75
2	1/1	REVISED PER ECN 4 5413 ADDED R1 & MFG. REP. NOTE	F.S.S. 10-13-75
3	1/2	REVISED PER ECN 4 5230 APPLD REP. NOTE	J.A. 1-16-76

WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.	BY DWN	DATE 5-25-75
				CHK	
				E C CONTROL	
			MATERIAL	MODEL NO SEE ABOVE	E ENGR
				SEE ENGRG SPECIFICATIONS No.	M ENGR
			FINISH	TOL. XX AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30'	MFG ENGR
				TITLE SCHEMATIC PRINTER MULTIPLEXER	
				SCALE SHT 1 OF 5	210-6716 / D / 6716 / 2
					WANG PART NUMBER / SIZE / DRAWING NUMBER / REV.

MOUNTED EXTERNALLY

8 PLUG JONES STRIP

115 VAC DISK #2

115 VAC DISK #3

115 VAC DISK #4

115 VAC DISK #1

SWITCH 115/230

115/230 VAC

MAGIC SIZE

J2 10 PIN CONNECTOR

LOOSE DISCONNECT

MOUNTED ON HEAT SINK

STAR HEAT SINK

3200 CONN. P1

3200 CONN. P2

12 PIN CONN.

10 MHZ XTAL

JUMPER

CASTG

CHRLEG

CASTIG

CHRLEG

CAPM

CAPM

WCLK

WCLK-1

WTG

CKC

ADI

ADO

LNUX

LNUX

CNTRLG 2

CNTRL 2

HMB

HMB

HMB

HMB

BR1

BR2

BR3

ACU

SYI

SYI

HOLE LEGEND

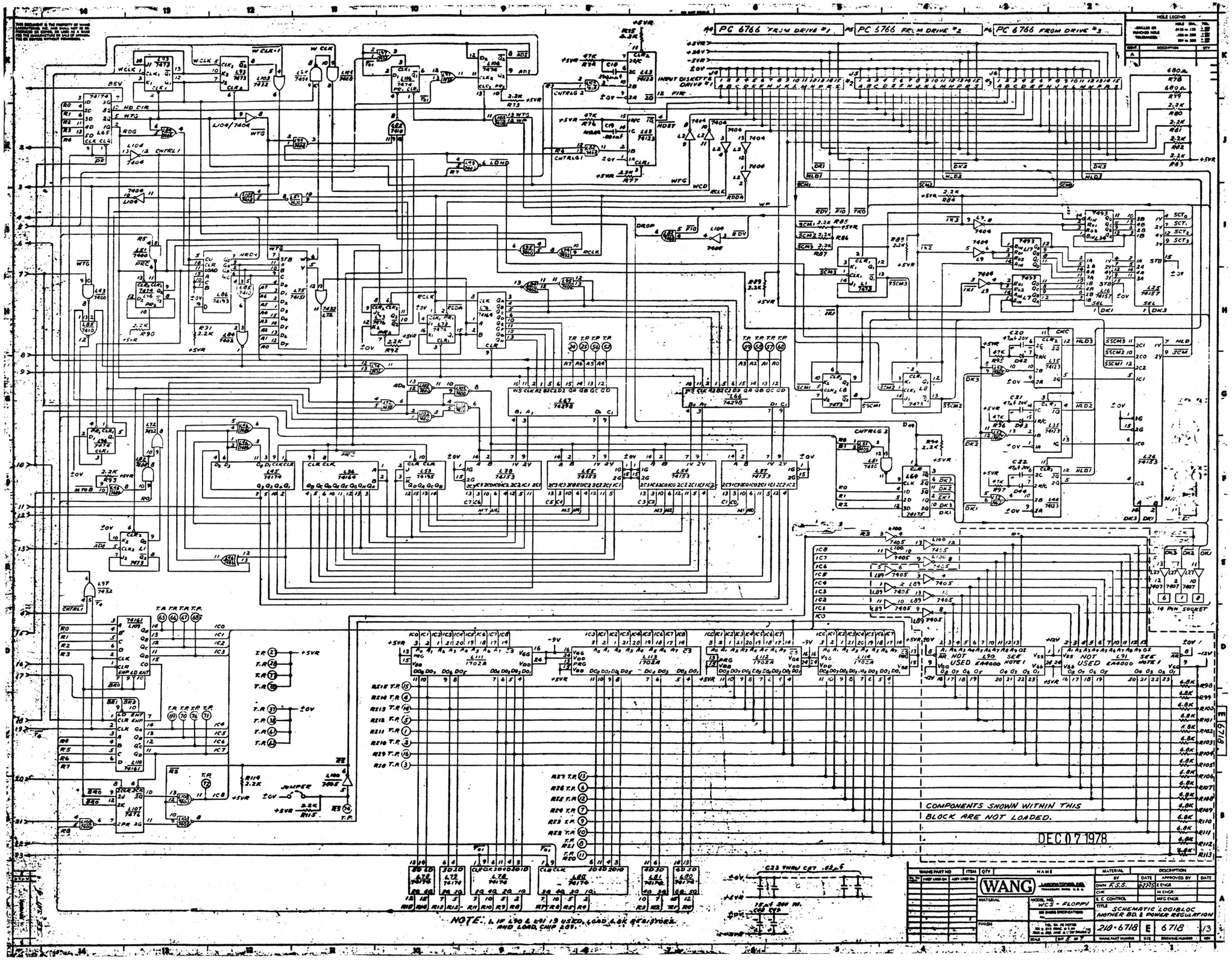
HOLE	DESCRIPTION	QTY
A		

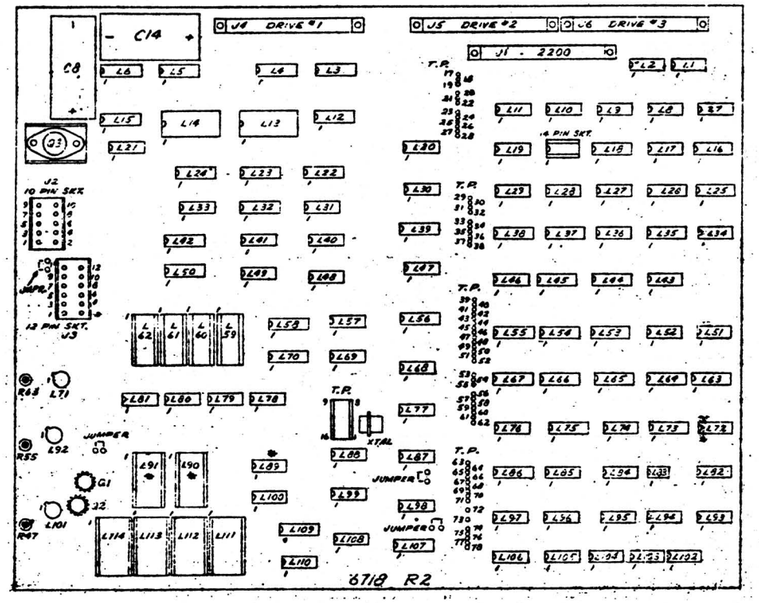
E-REV 11

DEC 07 1978

WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
				BY	DATE / APPROVED BY / DATE
			WANG LABORATORIES, INC.	DWN R.E.S.	6-27-75 / E ENGR
			MATERIAL	CHK G.D.	9-5-75 / M ENGR
				E C CONTROL	MFG ENGR
			FINISH	MODEL NO. WCS - FLOPPY	TITLE SCHEMATIC LOGIBLOC MOTHER BD. & POWER REGULATION
				210-6716	E / 6718 / 13

| REVISIONS | | | |


A4 PC 6766 FROM DRIVE #1
A5 PC 6766 FROM DRIVE #2
A6 PC 6766 FROM DRIVE #3
HOLE LEGEND
INPUT DISKETTE DRIVE #1
+5VR
+36V
-5VR
±0V
WCS - FLOPPY
SCHEMATIC LOGIBLOC MOTHER BD. & POWER REGULATION
210-6718
6718
COMPONENTS SHOWN WITHIN THIS BLOCK ARE NOT LOADED.
DEC 07 1978
NOTE: L 15 L90 & L91 IS USED, 4.02 & 6.8K RESISTORS AND LOAD CHIP L89.
14 PIN SOCKET
JUMPER
WANG



I.C. LOCATION	W.L. NO.	TERM IOV	TERM +5VR
L1,8,93	376-2005	11	4
L2,9,10,11,20,31,87, 104	376-0010	7	14
L3,6,45,67	376-0138	8	16 -
L4,5,12,15,26,37,38,54,55	376-0048	8	16
L7,17,34	376-0011	10	5
L13,14	376-0099	12	24
L16,22,23,24,25	376-0082	8	16
L18,45,65,78,79,80,81	376-3058	8	16
L19,27	376-0056	7	14
L21	376-0025	7	14
L28,29	376-0028	7	14
L30,43,49,51,60,95,102,102	376-3052	7	14
L33,39	376-0096	9	16
L33	376-0012	7	14
L35,44,63	376-0080	8	16
L36,76,88	376-0102	7	14
L40,57,82,90,105	376-0081	7	14
L41,69,72,74,97,99,103	376-0093	7	14
L42,50	376-0049	8	16
L46	376-0036	7	14
L47,52,84	376-0016	7	14
L48,85	376-0003	7	14
L58	376-6097	8	16
L66,73,107	376-0067	13	5
L68,70,86	376-0053	8	16
L89,60,61,62	377-0300	8	22
L60	376-0119	8	16
L71,92,101	376-0066		
L75	376-0097	8	16
L77	376-0073	10	5
L83	376-0126	1	8
L100	376-3029	7	14
L96,106	376-0006	7	14
L109,110	376-0094	8	16
L111	378-0452PI		12
L112	378-7454RI		12
L113	378-0453RI		12
L114	378-0455RI		12
L94	376-0180	7	14

* = NOT LOADED

I.C. TYPE	LOCATION	SPARES
7400	L30 L43 L63	1 1 1
7404	L2 L11	1 1
74LS04	L94	1
7405	L106	1
7407	L19 L27	4 3
7408	L37 L98	3 1
7432	L69 L72 L76 L97 L99 L108	1 1 2 1 1 2

COMPONENT	W.L. NO.
R1, 5-19, 22, 24-34, 36, 57-59, 68-69, 72, 73, 75, 77, 80-98, 100, 115, 130	330-3022
R2, 37, 38, 21	330-6027
R3	330-2012
R4	330-6016
R20	330-5010
R23, 35	330-2047
R39-44, 50, 51	331-0010
R45	331-3018
R46	330-3056
R47, 55, 63	336-1037
R48, 52, 53, 60	331-3247
R54	333-3056
R56	330-3015
R58	333-3037
R61	330-2227
R62, 69	330-3018
R66	330-2018
R70, 71	330-2022
R74, 76, 99-97	330-4047
R78, 79	330-2059
R99-113	330-3016
R116	330-2033
R117-119	330-3082
C1, 2, 48, 49, 50	300-4022
C3, 19	300-2010
C4, 7	300-1907
C5, 11	300-1903
C6	300-2068
C8	300-3055
C20-22	330-4034
C10	300-1500
C13, 16, C23-47, 51	300-1904
C14	300-3059
C15	300-1100
C17	300-1010
C18	300-1390
C9	300-4021
XTAL	321-6008
D1-5, 42-44, 46, 47	380-1001
D32	380-2100
D33, 34	380-2004
D35, 36, 39, 40	380-4000
D37	380-3051
D81	380-2062
D45	380-2033
Q1	375-1024
Q2	375-1027
Q3	375-1031
TRANSIPAD (LG)	375-9001
HEATSINK (BIRTCHER)	375-9010
D48	380-2120
D49, 50	380-0000
R121	330-3033
Q6	375-1006
C52	300-1913

COMPONENT	W.L. NO.
J1, 4-6	340-2011
J2	654-1188
J3	654-1172
40 PIN SKT LOW PROFILE	654-1157
16 PIN I.C. SOCKET	376-5022
40 PIN I.C. SOCKET	376-9023
I.C. PAD 16 PIN	376-3008
22 PIN I.C. SOCKET	376-5010
14 PIN I.C. SOCKET	376-5012

DEC 07 1978

ITEM	QTY	NAME	MATERIAL	DESCRIPTION
		WANG LABORATORIES		BY / DATE / APPROVED BY / DATE
				DRWN R.S.S. 7-6-78
				CHK
				ENGR
				MFG ENGR
		8" FLOPPY		TITLE
				MOTHER BOARD & PARTS LIST
				219-6718 E 6718 13

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R14
L34 PIN 6

PIN 10

LOCATION	W.L. PART No.	P/N	P/N
L1, 12, 25, 29	376-0025	7	14
L2, 4	376-0031	7	14
L3	376-0011	10	5
L19, 22, 31, 33	376-0037	7	14
L5, 6, 13, 14, 21, 35	376-0039	7	14
L7, 9, 26	376-0033	7	14
L8, 23	372-0082	8	16
L10, 28	376-0055	7	14
L20, 30, 32	376-0053	11	8
L16, 24	376-0046		
L17	376-0070	7	14
L18	376-0047	8	16
L27	377-0009		12
L20, 21	377-0017	12	24
L34	376-0104	8	16
L15, 26, 27	376-9009		

COMPONENT	W.L. PART No.
R1-13, 29-35, 43, 44, 45, 47	330-3047
R14, 15	376-1007
R16 - 20, 42	330-2048
R39 - 41	332-1033
R42 - 51	330-2022
R52, 53	376-1018
R54, 59	330-2047
R56	330-1022
R57	330-1039
R58	330-3027
R59	330-2033
R60	331-1039
R61	330-2015
R61, 81, 85	330-4010
R62, 63, 74, 77	330-3272
R68	331-2010
R70, 71	330-3033
R72	330-2042
R76, 82	332-2018
R78, 86	330-3052
R78	332-2047
R79	330-4012
R80	330-3018
R82	330-5015
R83	330-1068
R84	330-2010
R85	330-3015
R90	331-2012
C1	300-1870
C2	300-1680
C3, 13	300-1906
C4, 8	300-1911
C5, 9	300-1913
C6, 7	300-1904
C10, 12	300-4002
C11, 14	300-1917
C15	300-1901
C16, 20, 21, 38	300-4021
C23, 25	300-1703
C26, 27	300-1700
R89	330-3019
R1-13, 16, 17, 24, 43	380-0101
D18	380-2120
D19	380-4033
D20, 22	380-2003
D21	380-2042
D31	380-2051
INPT. BRKTS ROCKER TY	345-1701
Q1	375-1032M
Q3, 12	375-0017
Q4, 6, 11-19	375-0236
Q5, 8, 9, 10	375-1027
Q14	375-0018
SWT COVER	337-3001
TRAN PAD LARGE	375-9001
TRAN PAD SMALL	375-9006
HEAT SINK	375-9010

P.C. TYPE	LOCATION	SPARE
9935	L1	1
	L12	1
	L29	2

MODEL	PROM CHART 210 = 209 + 777 OR 378			
	210	209	L19	L20	L21
2200 ASCII	6727A	6727	378-0508	378-2009	378-2005
2200 CYRILLIC	6727B	6727	378-0516	378-2037	378-2038
2200 KATAKANA	6727C	6727	OPEN	378-2039	378-2060
92B ASCII	6727D	6727	378-0520	378-2068	378-2069
222IW LATIN	6727E	6727	378-0531	378-2055	378-2056
222IW FRENCH	6727F	6727	378-0537	378-2071	378-2072
222IW HEBREW	6727H	6727	378-0543	378-2074	378-2075

CHANGE IN PROCESS
PER ECN 9655
DATE 11/21/78

REVISIONS					
	PD	PD	PD	EK	
4-4-77	10-19-77	12-12-77	1-31-78	2-17-78	
Added C26 & C27	Revised per ECN 9655	Revised per ECN 9655	Revised per ECN 9655	ECN 9655 Added R89 & D31	

DEC 07 1978

E - REV

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN		10-17-75	E ENGR R. Clem	11/76
CHK		11/76	M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL
MODEL NO 2221W
SEE SWING SPECIFICATIONS
FINISH
TOL EX. AS NOTED
.XX ± .010 FRAC ± 1/64
.XXX ± .005 ANG. ± 1° 30' PARTS
SCALE

TITLE SCHEMATIC, EATCL MEMORY AND REGULATOR WITH UNDERSCORE

210-6727 | E | 6727 | 2

WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

SIGNAL - TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

COMP. SIDE — WIRING SIDE

6727 R1

TYPICAL CIRCUIT

COMPONENT	W.L. PART NO.
R1-13, 90, 111	330-4010
R14-22, 34, 35, 86	330-3027
R23-31	330-3068
R32, 36, 37, 40-43, 45, 51, 52, 53, 63, 64, 74, 75, 79, 93, 94, 95, 97, 99	330-3047
R38, 96, 99, 102, 107	330-3022
R39, 44	336-1007
R46, 50, 54, 58, 62, 66, 70, 74, 78, 92	330-2068
R48, 52, 56, 60, 64, 68, 72, 76, 80	332-1033
R49, 53, 57, 61, 65, 69, 73, 77, 81	330-2022
R82, 103	336-1014
R83, 89	330-2047
R84	330-1022
R85	330-3039
R87	330-2033
R88	331-1035
R91	330-2015
R98	331-2010
R100, 101	330-3033
R104	330-2082
R105, 45	332-2016
R106, 116	330-3056
R108	332-2049
R109	330-4018
R110	330-3010
R112	330-3015
R113	330-1068
R114	330-2010
R115	330-3015
C1	300-1330
C2	300-1630
C3, 10, 11, 13	300-1910
C4, 8	300-1913
C5, 6	300-1912
C7	300-1911
C9, 12	300-4032
C14, 15, 18, 21-26	300-1900
C16, 20, 27, 28	300-4021
C17	333-1943
C19	333-1926
D1-18, 22, 24, 25, 27	380-1001
D19	383-2125
D20	380-2039
D21	380-3303
D23, 26	380-2042
Q1	375-1032
Q2, 10	375-0017
Q3, 4, 7, 8	375-1027
Q5, 9	375-0018
Q6, 8 (HEAT SINK)	375-5010
Q11 THRU 17	375-1064

LOCATION	W.L. PART NO.	DIP	+5VR
L1, 3, 4, 18	376-0005	7	14
L2, 5, 23, 23	376-0016	7	14
L6, 8, 14, 24, 31	376-0059	7	14
L9, 12, 17	376-0005	11	6
L19, 29, 39	376-0033	7	6
L11	376-0109	8	16
L16, 27	376-0066	-	-
L19	376-0026	7	14
L20	377-0711	-	-
L21	377-0251	-	-
L22	377-0246	-	-
L25, 30, 31, 10	376-0055	7	14
L26	376-0011	10	5
L28	376-0002	7	14
L32, 33, 34, 35, 36, 37	376-9003		

COMPONENT LAYOUT

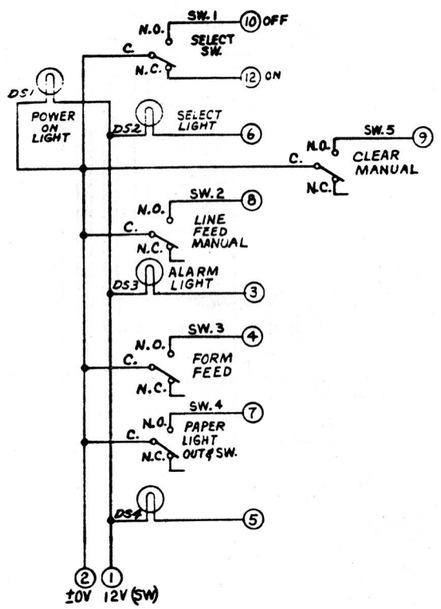
FOR INTERCONNECTION SEE DWG E6635-999

WANG PART NO.	ITEM	QTY.	NAME	MATERIAL
			WANG LABORATORIES, INC.	
MODEL NO. 72				
TITLE: SEMICONDUCTOR MEMORY & REGULATOR				
210-6728	E	6728		6

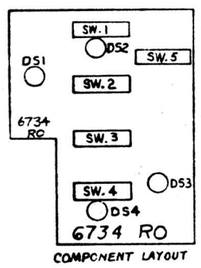
DO NOT SCALE

HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES	HOLE DIA.	TOL.
	.0135 to .125	± .003
	.126 to .250	± .004
	.251 to .500	± .005

ISSUE	DESCRIPTION	QTY
A		



COMPONENT	W.L. PART NO.
SW.1 - SW.5	325-2305
DS1 - DS4	370-0015



COMPONENT LAYOUT

E REV
0

REVISION	BY	DATE
ORIG PER W.O. 404		G.D.
ADDED clear		5/16/75
REL. TO PROD.		
APPD: clm 5/16/75		

WANG PART NO	ITEM	QTY	NAME

WANG LABORATORIES, INC. LOWELL, MASS. U.S.A.

MATERIAL	DESCRIPTION

BY	DATE	APPROVED BY	DATE
DWN	5-13-75	E ENGR	
CHK	5/16/75	M ENGR	
E C CONTROL		MFG ENGR	

MATERIAL — SPECIFICATIONS: -27-

FINISH — UNLESS NOTED: .XX = .015 MAC ± 1/64, .XXX = .005 MAC ± 1°30' FINISH √

TITLE: SCHEMATIC LOGIBLOC MATRIX PRINTER

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
210-6734	C	6734	0

SCALE — SHT — OF

6734 C

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DO NOT SCALE

I.C. LOCATION	W.L. PART No.	PIN No. ±0V	PIN No. +5VR Vcc
L1	376-0082	8	16
L2, 3, 14	376-0010	7	14
L4, 5, 8, 9, 10	376-0031	7	14
L6	376-0025	7	14
L7	376-0055	7	14
L11	376-0005	11	4
L12	376-0056	7	14
L13	377-0009	-	12
L15	376-0016	7	14
L16	376-0002	7	14
L17	376-0080	8	16

COMPONENT	W.L. PART No.
R1, 2, 3, 4, 5, 6	330-2018
R7, 8, 9, 10, 11, 12	330-2022
R13, 14, 15, 16, 17, 18, 19, 20	330-3047
R21-23, 32, 33, 34 27-29	330-3010
R24, 30	330-3018
R25, 31	330-3022
R26	332-1033
C1, 2, 3, 4, 5, 6, 12, 13	300-1901
C7	300-1900
C8, 9, 15 THRU 22	300-1903
C10, 11	300-1906
C14, 23	300-3006
D1	380-2052
D2	380-2039
D3 THRU 10 (SIL DIODE)	380-1001
L13 (SOCKET 24 PIN)	376-9003
J3	350-0022

S.C. TYPE	LOCATION	SPARE
7406	L16	3
7404	L3	1
7473	L11	1
9935	L6	2

HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.035 to .125	± .003
	.126 to .250	± .004
	.251 to .500	± .005

IDENT.	DESCRIPTION	QTY
A		

REVISION	BY	DATE	APPROVED
DRAWN PER DWR # E018 APP'D Chan	DWR	7-30-75	8/4/75
REVISED PER RFA # 1879 ADDED Chan white/blk	RFA	8-27-75	10-15-75
REVISED PER RFA # 2305 ADDED Chan white/blk	RFA	11-24-75	12-15-75

WANG PART NO.	ITEM	QTY	NAME

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL	DESCRIPTION
DWN DWR 7-30-75	E ENGR R. Chan 8/4/75
CHK G.D. 8-4-75	M ENGR
E C CONTROL	MFG ENGR

MATERIAL — FINISH

MODEL NO. 6/721W — SEE ENGRG SPECIFICATIONS No.

TOL. EX. AS NOTED .XX ± .010 FRAC ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 125

TITLE SCHEMATIC, LOGIBLOC MATRIX INTERFACE

210-6751	D	6751	2
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

SCALE — SHT 4 OF 5

DEC 07 1978

E - REV

0

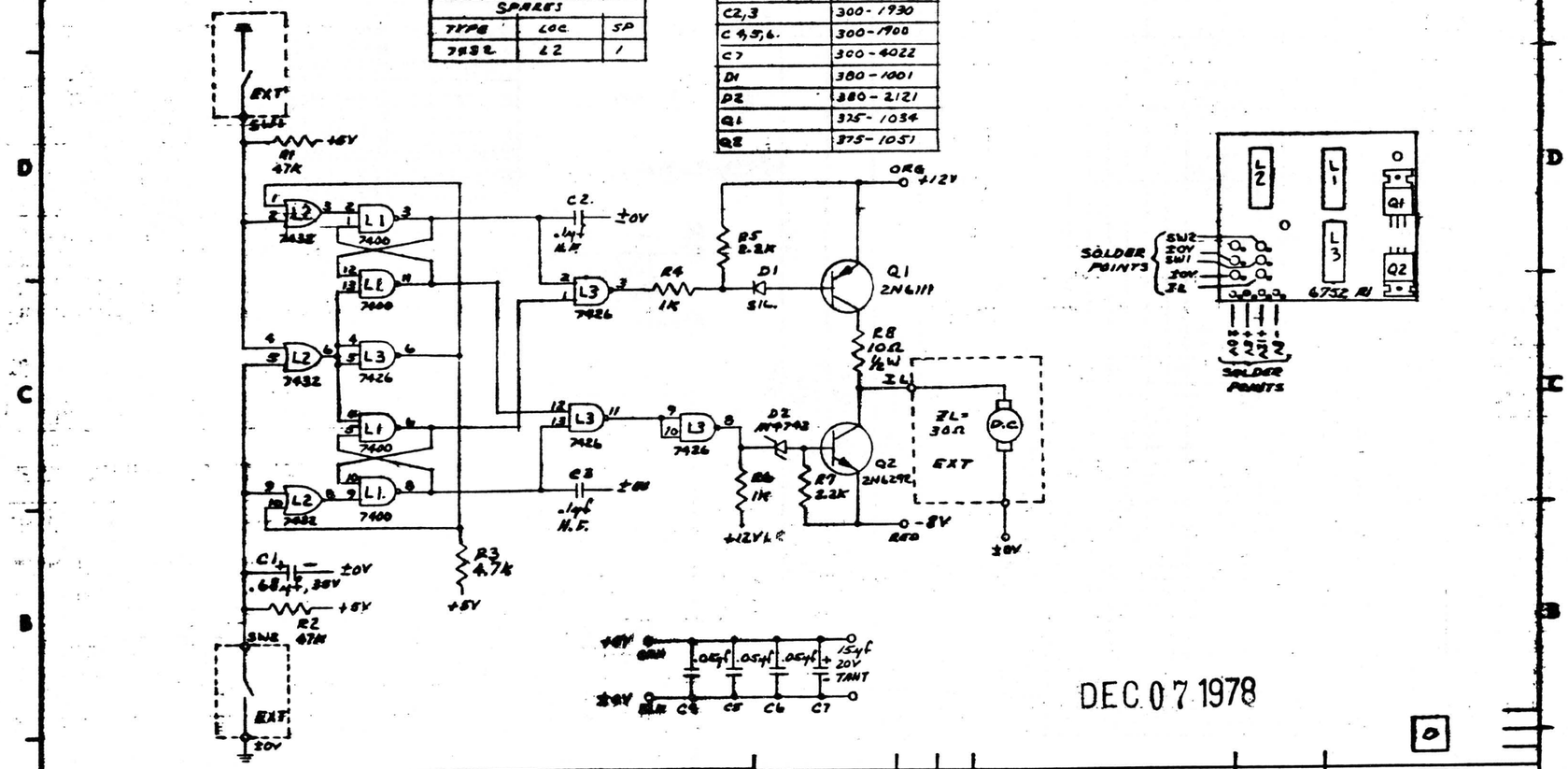
LOCA.	WL. PT. NO.	Vcc	±0V
L1	376-0008	14	7
L2	376-0002	14	7
L3	376-0067	14	7

SPARES		
TYPE	LOC.	SP
7432	L2	1

COMPONENT	WL PT NO
R1,2	330-4047
R3	330-3047
R4,6	330-3010
R5,7	330-3022
R8	331-1010
C1	300-4011
C2,3	300-1930
C4,5,6	300-1908
C7	300-4022
D1	380-1001
D2	380-2121
Q1	325-1034
Q2	325-1051

HOLE LEGEND		
	HOLE DIA.	TOL.
ETCHED OR PUNCHED HOLE TOLERANCES	.0135 to .125	±
	.126 to .250	±
	.251 to .500	±

REV.	DESCRIPTION	QTY.
A		



DEC 07 1978

REVISIONS	BY	DATE	APPROVED
A ECO 4043	EBH	10-8-76	
B ECO 4213	EBH	10-8-76	
C ECO 4321	EBH	10-8-76	

WANG PART NO.		ITEM	QTY	NAME
QTY. PER UNIT	FIRST USED ON	ASSY USED ON		

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL

FINISH

MODEL NO. 2272

SEE ENGRG SPECIFICATIONS No.

TOL. EX. AS NOTED .XX ± .010 FRAC ± 1/64 .XXX ± .005 ANGL ± 1°30' FINISH 125

SCALE 1/2 SHT 1 OF 5

MATERIAL	DESCRIPTION			
BY	DATE	APPROVED BY	DATE	
DWN EBH	10-8-76	E ENGR	1-1-1976	
CHK		M ENGR		
E C CONTROL		MFG ENGR		

TITLE SCHM. FOR. DRUM PLOTTER ROLLER OPTION

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
210-6752	C	6752	1

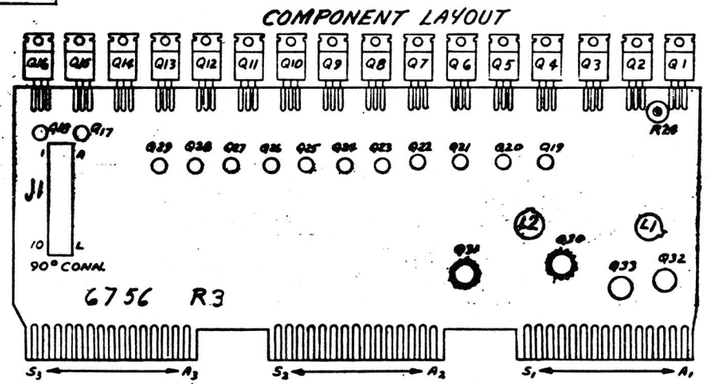
6752 D

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COMPONENT	W.L. No.
R1,8,29	330-3027
R2,3,10	330-4012
R3,11	330-4033
R6,12	330-4022
R5,13,27,28	330-3047
R4,14,44,47 R48,52,56,59 62,65,68	336-0026
R7,15,89	330-3033
R16	330-5047
R17,18,90-98	330-3010
R19,22,40-43	330-2022
R21	330-2068
R23,24,25,26,30	330-2033
R24	336-1014
R25	330-3039
R26,71-79	330-2047
R17, 34, 35	330-3022
R30, 31	330-2027
R32	330-0068
R33	330-1010
R45,49,51,53, 54,60,63, 66, 69	330-2010
R46,49,52,55, 58,61,64,67,70	331-1022
C1, 2	300-4013
C3, 4, 5, 9	300-4021
C6	300-1901
C7	300-1913
C8	300-1926
D1-17	380-4000
D2,	380-2121
D3	380-2113
Q1	375-1054
Q2	375-1053
Q3	375-1052
Q4, 6	375-1051
Q5, 7	375-1058
Q8-16	375-1051
Q17, 18, 19, 21 23-29	375-1017
Q20, 22	375-1006
Q30, 32	375-1027
Q31, 33	375-1026
H. SINK	375-9010
TRANS/PAD LARGE	375-9001
TRANS/PAD SMALL	375-9004
J1	350-0037

I.C. LOCATION	W.L. NO.	TERM. FOR ±0V	TERM. FOR VCC +5VR
L1	376-0066	5	
L2	376-0187		

COMPONENT LAYOUT



HOLE LEGEND

DRILLED OR PUNCHED HOLES TOLERANCES	HOLE DIA.	TOL.
	.0135 to .125	± .003
	.126 to .250	± .003
	.251 to .500	± .003

SHEET	DESCRIPTION	QTY.
A		

E-REV 4 DEC 07 1978

WANG PART NO.	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION
FIRST USED ON	ASSY USED ON				

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	F.S.S.	9-17-75	E ENGR	
CHK	S.D.	9-23-75	M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL — MODEL NO. 62 MATRIX PRINTER — SEE ENGRG SPECIFICATIONS No.

FINISH — TOL. EX. AS NOTED .XX ± .010 FRAC ± 1/64 .XXX ± .005 ANG. ± 1° 30' FINISH √32

TITLE: SCHEMATIC LOGIBLOC POWER TRANSISTOR BOARD

SCALE — SHT 1 OF 1 — WANG PART NUMBER 210-6756 — SIZE D — DRAWING NUMBER 6756 — REV. 9

REV	DATE	ECN	BY	CHK	APP'D
0	5/25				
1	8/29	1876	REVISED PER ECN #1876		
2	4-4-76		REVISED PER ECN #1876		
3	6-11-76		REVISED PER ECN #5576		
4	6-11-76		REVISED PER ECN #5576		
5	6-29-76		REVISED PER ECN #5713		
6	9-30-76		REVISED PER ECN #5713		
7	11-6-76		REVISED PER ECN #5713		
8	12-20-76		REVISED PER ECN #5713		
9	7-27-78		REVISED PER ECN #6490		

SIGNAL - TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

CONN. 1

+8V	A1	+8V
+5VR	A2	+5VR
±0V	A5	±0V
±0V POWER A	A6	±0V POWER A
Yb	A8	Yb
X	A9	X
Yb	A10	Yb
Y	A11	Y
M	A12	M
+17V	A14	+17V
+18V	A15	+18V

CONN. 2

+12V	A1	+12V
-12V	A3	-12V
-18V	A5	-18V
-17V	A7	-17V
Mo	A9	Xo
	A10	Yo
So	A11	So
S3	A12	S2
S6	A13	S4
S7	A14	S6
S9	A15	S8

CONN. 3

±0V POWER B	A11	±0V POWER B
±0V POWER B	A12	±0V POWER B
+32V	A14	+32V
+32V	A15	+32V

CONN. SIDE — WIRING SIDE

D 6756

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HOLE LEGEND		
WILLIAM OR EQUIVALENT	HOLE DIA.	TOL.
	.093 to .159	±.003
PERCHED HOLE	.160 to .250	±.004
TOLERANCES	.251 to .500	±.005

REVISION	DESCRIPTION	APPROVED
A	-	-

COMPONENT	W.L. PART NO.
R1-7, 40, 66	330-3010
R8, 9	330-2047
R10,12,28,29,34-37, 41, 43-46, 48, 49, 52, 53, 54, 60, 61, 63, 64, 67, 69, 72, 107-109, 111, 113, 57, 58, 42, 70, 112.	330-3047
R13, 42	330-4018
R15-27, 58	330-4010
R30, 32, 89-104	330-3027
R31, 33, 73-88	330-3068
R105, 106, 38, 39, 51, 59, 68, 71	330-1010
R47	330-2039
R50, 111	330-4056
R65	330-4012
R110	330-4033
R113, 114, 115	330-3022
C1, 2	300-1010
C3, 10	300-4010
C4, 13, 19, 26	300-1390
C8	300-1913
C5-7, 15, 18, 24, 41, 42, 44	300-1904
C9	300-4000
C11	300-4018
C14, 17	300-1906
C16	300-1933
C20, 21, 45, 46	300-1820
C22, 25	300-1470
C23	300-5006
C27-37, 43	300-1900
C38, 39, 40	300-4021
C12	300-5004
D1-5	300-1004

LOCATION	W.L. PART NO.	TERM. NO. +5V	TERM. NO. GND
L1, 8	376-0104	8	16
L2, 7, 17, 20, 28	376-0002	7	14
L3	376-0025	7	14
L4, 21	376-0093	7	14
L5, 9, 16, 32, 40, 44-46	376-0010	7	14
L6, 19, 38	376-0005	11	4
L10, 43	376-0004	7	14
L11, 14, 18	376-0055	7	14
L15, 37	376-0188	8	16
L22, 41, 42	376-0028	7	14
L23, 24, 25, 26	376-0165	—	8
L27, 39	376-0046	7	14
L29	376-0003	7	14
L30, 31	376-0059	7	14
L34	376-0008	8	16
L35, 36	376-0031	7	14
I.C. SOCKETS	376-9003		
L13	377-0319		
L12	377-0320		
L33	376-0034	7	14

SPARES

LOCATION	I.C. TYPE	NO. OF SPARE GATES
L3	9935	1
-		-
L17	7400	1
L22	7403	2
L44	7404	1
L8	7484	1
L15	74279	1

COMPONENT LAYOUT

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

CONN. 1			CONN. 1
	A	1	
TP3	B	2	TP3
TP2	C	3	
TP1	D	4	
TP4	E	5	SL
TP5	F	6	
TP6	H	7	
TP7	J	8	
CLEAR	K	9	
SL-LI	L	10	PO
FOR	M	11	PO-LI
LMS	N	12	RMS
CO	P	13	AL-LI
SLT2	R	14	SLT1
LF	S	15	LFCR

CONN. 2			CONN. 2
+12V	A	1	+12V
BL	B	2	FS9
-12V	C	3	-12V
AT	D	4	POF
ARO	E	5	SCO
ARE	F	6	SCE
A2	H	7	S1
G1	J	8	S2
FAULT	K	9	S3
G2	L	10	S4
FSO	M	11	S5
SL	N	12	S6
FSE	P	13	S7
CLK	R	14	S8
PRINT	S	15	S9

CONN. 3			CONN. 3
CIP	A	1	SP4
EC	B	2	RESET
LFP	C	3	ACKL8
FFP	D	4	BUSY
VIP	E	5	DT8
P0	F	6	DT7
CLR	H	7	DT6
MS	J	8	DT5
MA	K	9	DT4
66	L	10	DT3
67	M	11	DT2
CF	N	12	DT1
RN	P	13	DSTB
+5VR	R	14	+5VR
±0V	S	15	±0V

DEC 07 1978

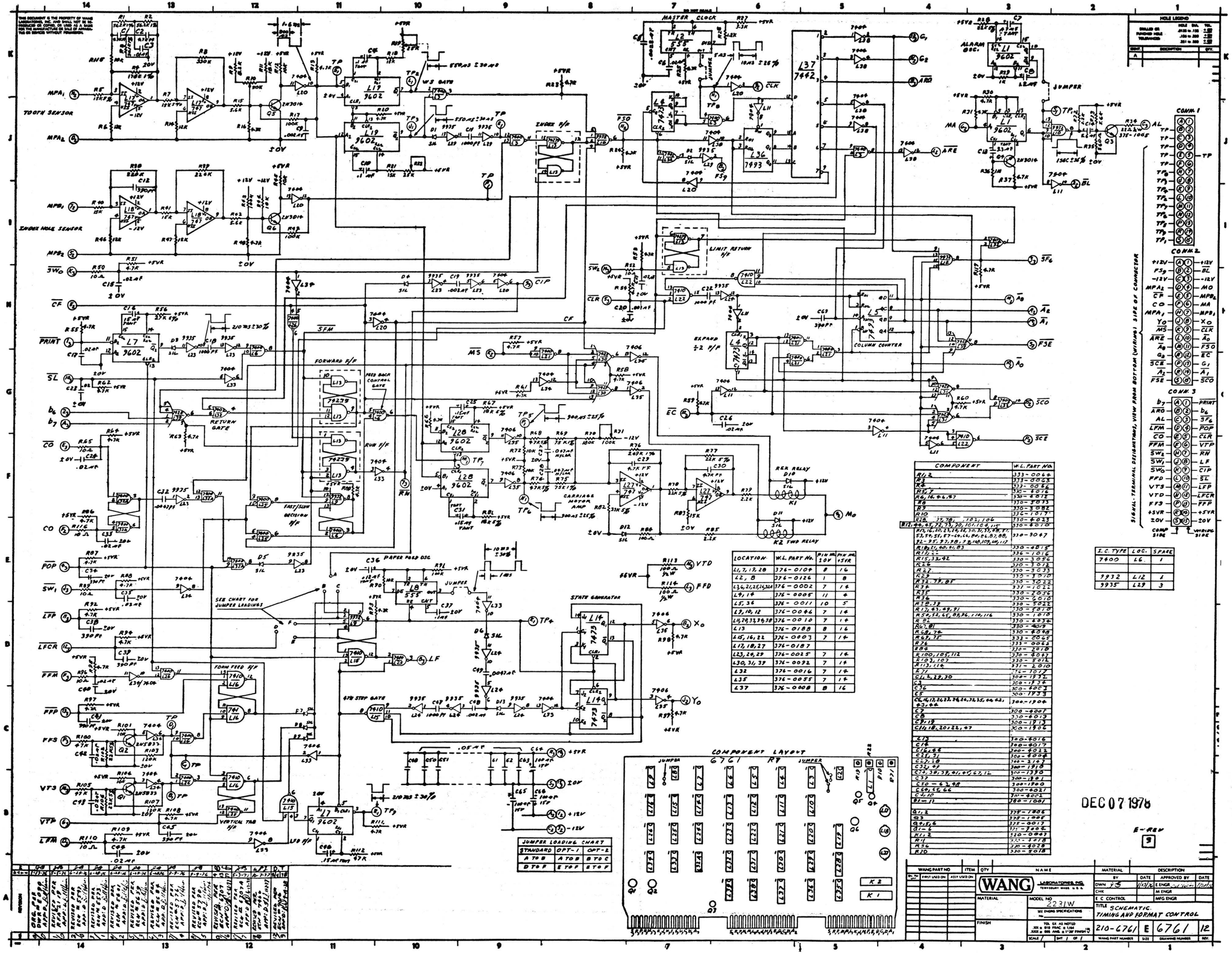
E-SIZE 4

WANG PART NO	ITEM	QTY	NAME
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.
MATERIAL			MODEL NO. MD 62
			SEE ENGRG SPECIFICATIONS
FINISH			TOL. EX. AS NOTED .XX ± .010 .XXX ± .005 ANG. ± 1°30' FINISH
			SCALE NONE SHT. 4 OF 5

MATERIAL	DESCRIPTION	
BY	DATE	APPROVED BY / DATE
DWN JCV	7/5/76	E ENGR TJV 9/16/77
CHK		M ENGR
E.C. CONTROL		MFG ENGR

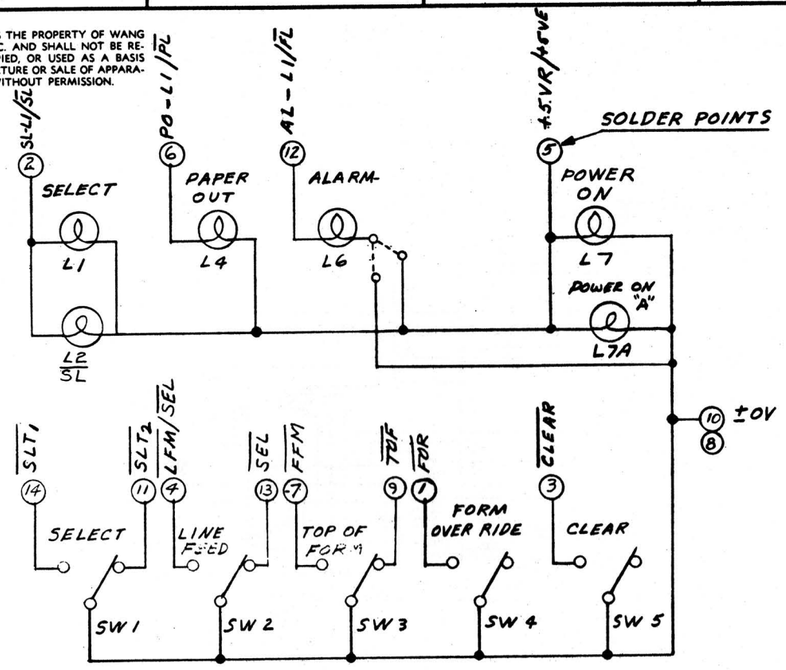
TITLE I/O CONTROL, DATA STORAGE, & CHARACTER GENERATOR

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
209-6760	E	6760	4


TOOTH SENSOR
ZOOM HOLE SENSOR
MASTER CLOCK
ALARM OSC.
JUMPER
FORWARD F/F
FEED BACK CONTROL GATE
RUN F/F
FAST/SLOW DECISION F/F
RETURN GATE
FORM FEED F/F
VERTICAL TAB F/F
LIMIT RETURN F/F
EXPAND ÷2 F/F
COLUMN COUNTER
STATE GENERATOR
CARRIAGE MOTOR AMP
RCR RELAY
K2 TWD RELAY
SEE CHART FOR JUMPER LOADINGS
CONN 1
CONN 2
CONN 3
SIGNAL TERMINAL DESIGNATIONS VIEWED FROM BOTTOM (WIRING) SIDE OF CONNECTOR
HOLE LEGEND
COMPONENT LAYOUT 6761
JUMPER LOADING CHART
STANDARD OPT-1 OPT-2
A TO B A TO D B TO C
D TO F E TO F E TO F
COMPONENT W.L. PART NO.
LOCATION W.L. PART No. PIN NO. 10V PIN NO. +5VR
I.C. TYPE LOC. SPARE
7400 L6 1
9932 L12 1
9935 L29 3
DEC 07 1978
E-REV 9
WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.
MODEL NO 2231W
TITLE SCHEMATIC. TIMING AND FORMAT CONTROL
210-6761 E 6761 12
WANG PART NUMBER SIZE DRAWING NUMBER REV.

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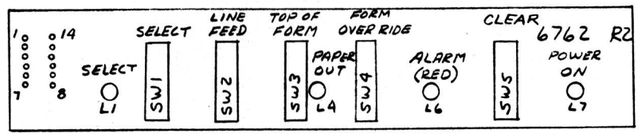
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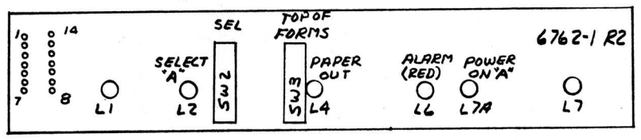


HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	+.003 −.001
	.126 to .250	+.004 −.001
	.251 to .500	+.005 −.001

IDENT.	DESCRIPTION	QTY.
A		

LOADING CHART		
2231-W	928-2231W	W.L. PT NO.
SW1		325-2305
SW 2,3,4,5	SW 2,3	325-2300
L1,4,6,7	L2,4,6,7A	370-0015
L1,4,6,7	L1,2,4,6,7,7A	370-1020
L1,4,6,7	L1,2,4,6,7,7A	652-3002
I.C. PAD	IC PAD	376-9008





E - REV 0

NO.	REVISION	BY	DATE
0	ORG. PER. DWR. E096 APP'D Bill Wilson	JB	1-14-76
1/0	CHG. PER RFA #2017 APP'D Bill Wilson	R.A.	1-4-76
2/0	REVISED PER E.C.N. 3504 & RFA 2149 APP'D Bill Wilson	JB	6-17-76
3/0	REVISED PER ECN #5823 APP'D Bill Wilson	JB	9-19-76
4/0	REVISED PER ECN# 6370 APP'D [illegible] 3-4-77	EBA	2-17-77

WANG PART NO.	ITEM	QTY.	NAME
Qty. Per Unit	FIRST USED ON	ASSY USED ON	

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL

MODEL NO. 2231

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 125

SCALE SHT 4 OF 5

MATERIAL	DESCRIPTION

BY	DATE	APPROVED BY	DATE
DWN JB	1-14-76	E ENGR Bill Wilson	Jan 3rd 76
CHK R.A.	1-17-76	M ENGR	
E. C. CONTROL		MFG ENGR	

TITLE SCHEMATIC CONTROL PANEL KEYBOARD

SEE ABOVE	C	6762	4
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

2979 D

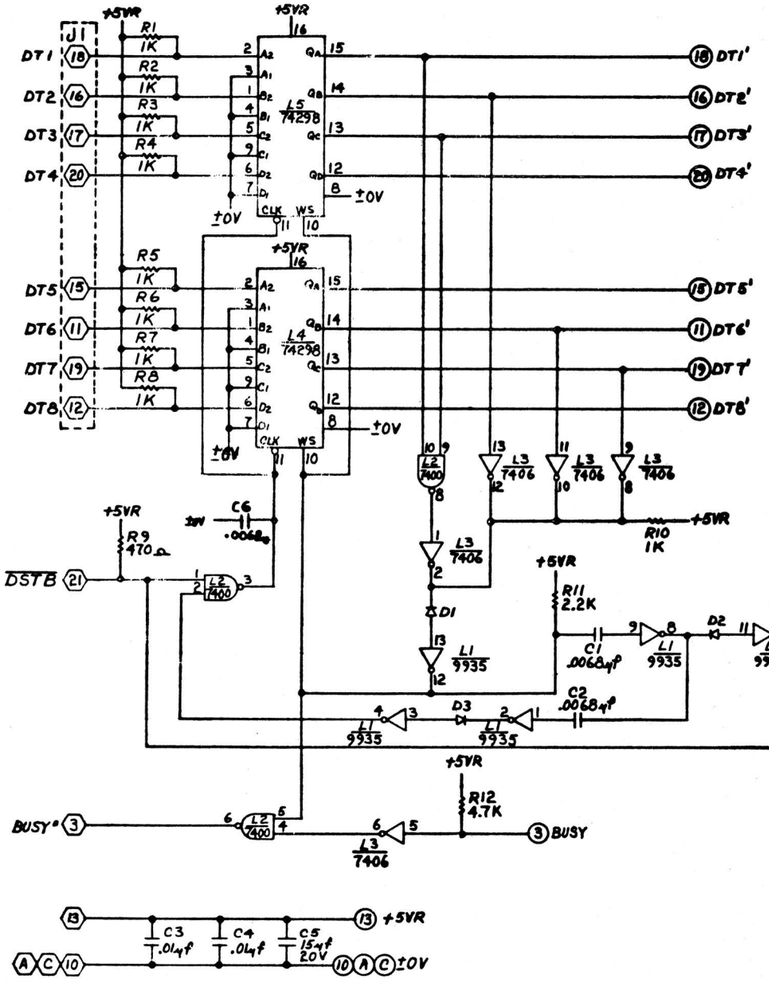
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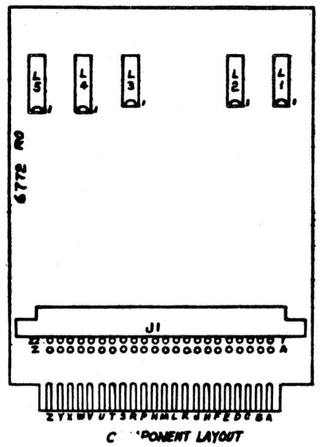
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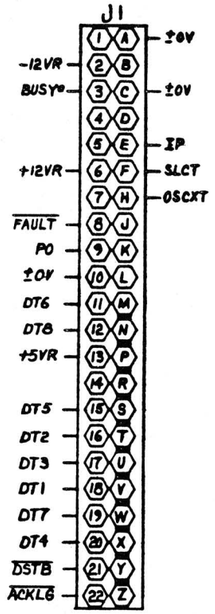
HOLE LEGEND

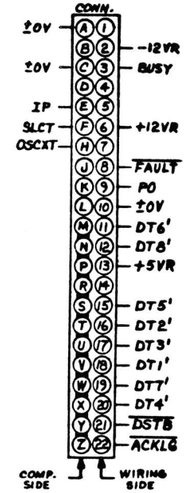
DRILLED OR PUNCHED HOLE TOLERANCES	HOLE DIA.	TOL.
	.0135 to .125	±.003
	.126 to .250	±.004
	.251 to .500	±.005

IDENT.	DESCRIPTION	QTY.
A		



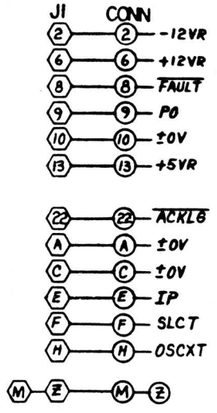






LOCATION	W.L. PART NO.	TERM. NO. ±0V	TERM. NO. Vcc+5VR
L1	376-0025	7	14
L2	376-0002	7	14
L3	376-0055	7	14
L4,5	376-0138	8	16

COMPONENT	W. L. PART NO.
R1-8,10	330-3010
R9	330-2047
R11	330-3022
R12	330-3047
D1-3	380-1001
C1,2	300-1911
C3,4	300-1903
C5	300-4022
C6	300-1911
J1	350-0022



E-REV
0

REVISION	BY	DATE
0	RH, PER. RFA #1776 #1778	4-7-71

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
Qty. Per Unit / FIRST USED ON / ASSY USED ON					

WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	J.K	7-25-75	E ENGR	8/5/75
CHK	G.D.	7/30/75	M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL — MODEL NO 2221-W — SEE ENGRG SPECIFICATIONS No.

FINISH — TOL EX AS NOTED .XX ± .010 FRAC ± 1/64 .XXX ± .005 ANG ± 1°30' FINISH √

TITLE: SCHEMATIC LOGIBLOC QUICK RELEASE

SCALE NONE SHT 1 OF 5

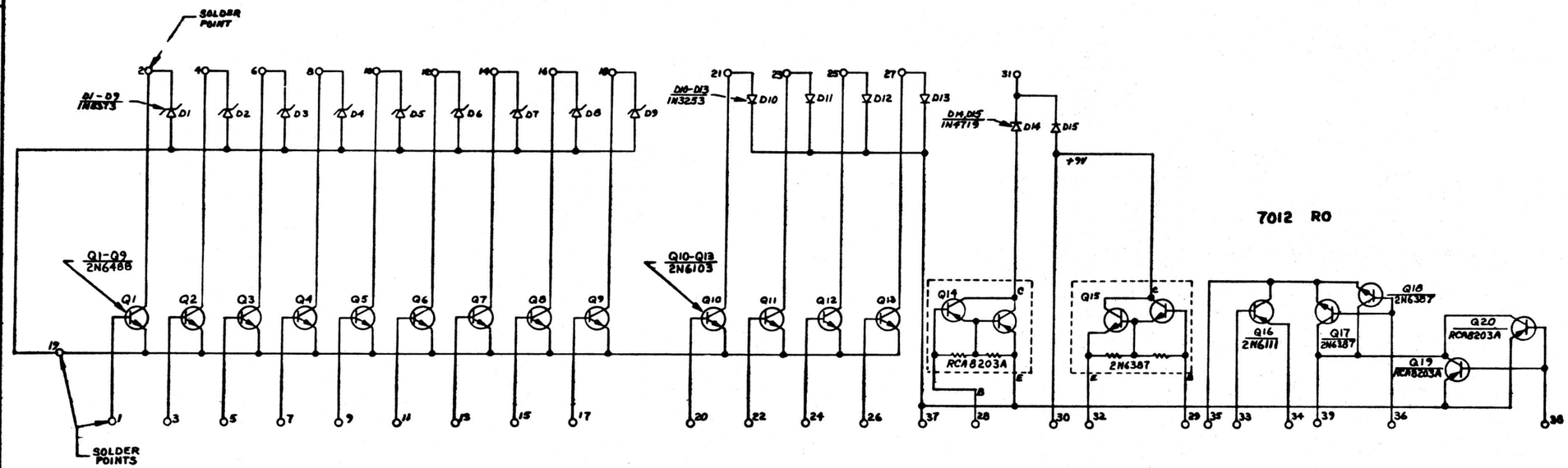
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
210-6772	D	6772	1

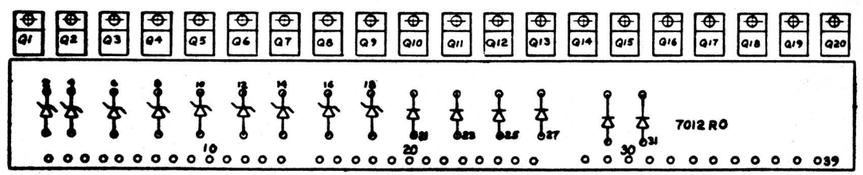
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DO NOT SCALE

HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCE	HOLE DIA	TOL
	.035 to .125	± .002 − .001
	.126 to .250	± .003 − .001
	.251 to .500	± .003 − .001

ISSUE	DESCRIPTION	QTY
A		





7012 RO

COMPONENT	W. L. PART NO.
Q1-Q9	375-1054
Q10-Q13	375-1035
Q14,19,20	375-1053
Q15,17,18	375-1052
Q16	375-1034
D1-D9	380-2131
D10-D13	380-3003
D14,15	380-3002.8

DEC 07 1978

E-REV 0

REVISION	BY	DATE
ORIG. E.940	PER DWR	9/7/75
	APP'D	

WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
FIRST USED ON	ASSY USED ON		WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.		

	BY	DATE	APPROVED BY	DATE
DWN	E.K	9-7-75	E ENGR R. Chin	11/6/75
CHK	G.D.	10/9/75	M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL — MODEL NO 72 — SEE ENGR. FAB. DRAWING NO.

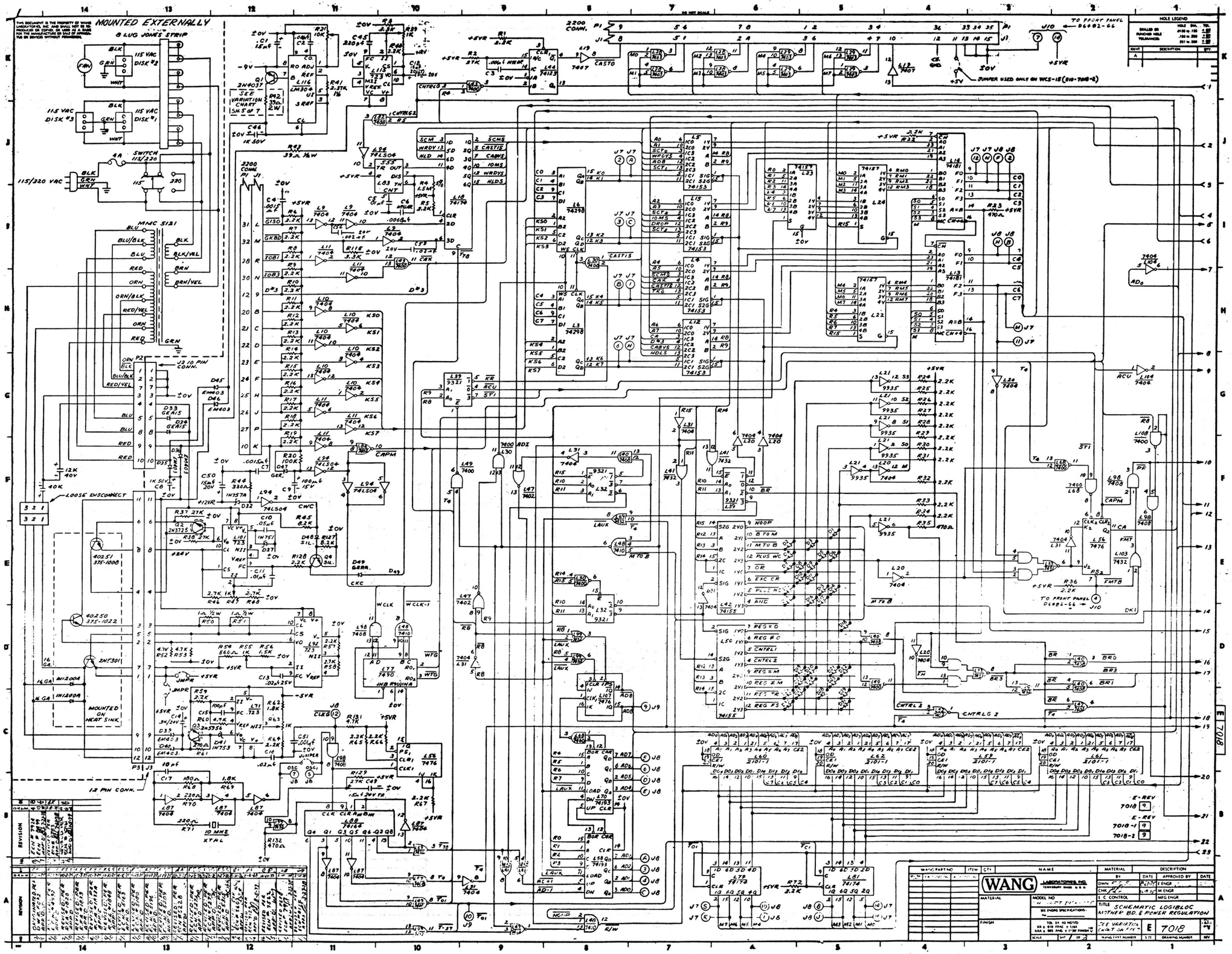
FINISH — TOL. EX AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 125

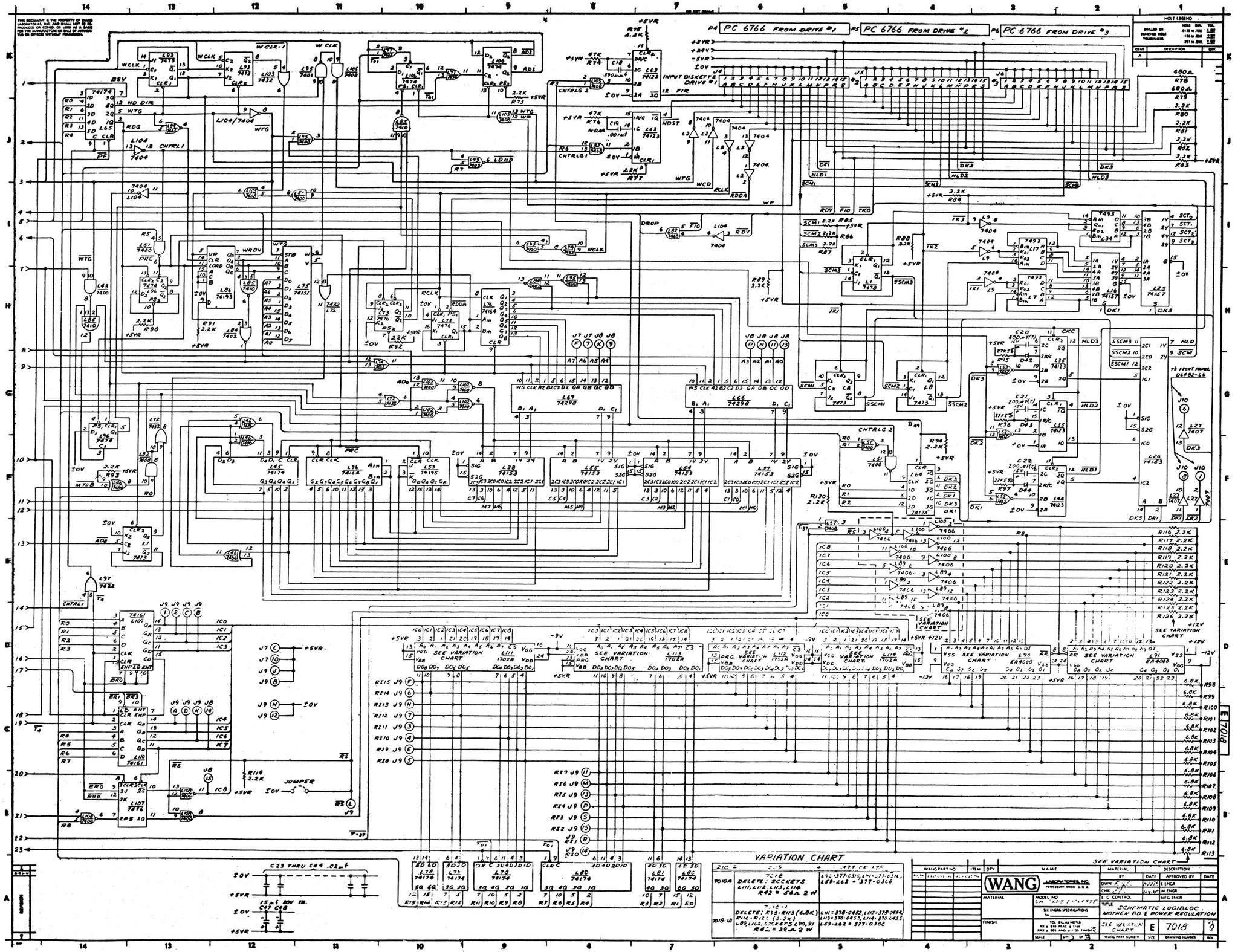
TITLE SCHEMATIC LOGIBLOC POWER TRANSISTOR BOARD

210-7012 | D | 7012 | 0

SCALE 4/1 | SHT 4 OF 5 | WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

D 7012


MOUNTED EXTERNALLY
8 LUG JONES STRIP
FAN
115 VAC DISK #2
115 VAC DISK #3
115 VAC DISK #1
4A SWITCH 115/220
115/320 VAC
MMC 5121
P2
J210 PIN CONN.
LOOSE DISCONNECT
402S1 375-1000
402S0 375-1022
2N3725
2N3055
2N5301
IN1200A
IN1200B
MOUNTED ON HEAT SINK
P3
J3
12 PIN CONN.
XTAL
10 MHz
2200 CONN. P1 J1
TO FRONT PANEL D16802-66
JUMPER USED ONLY ON WCS-15 (810-7018-8)
HOLE LEGEND
SCHEMATIC LOGIBLOC MOTHER BD. & POWER REGULATION
WANG LABORATORIES, INC.
E 7018
E-REV 7018 9
E-REV 7018-1 9
7018-2 9

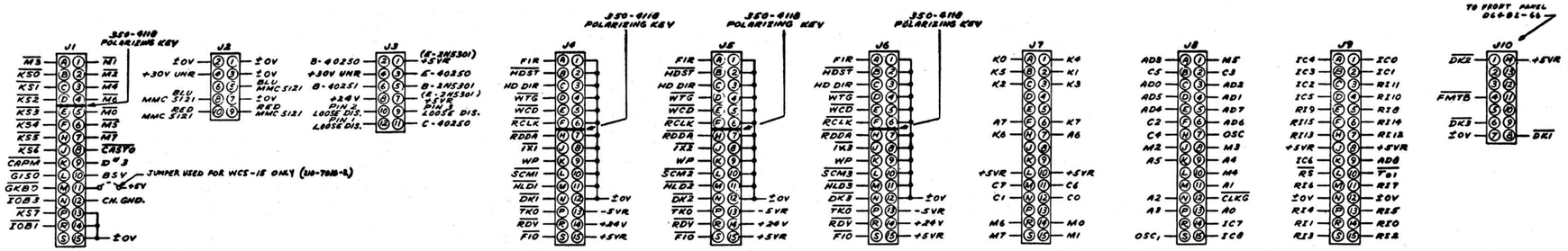

PC 6766 FROM DRIVE #1
PC 6766 FROM DRIVE #2
PC 6766 FROM DRIVE #3
HOLE LEGEND
INPUT DISKETTE DRIVE #1
INPUT DISKETTE DRIVE #2
INPUT DISKETTE DRIVE #3
VARIATION CHART
SEE VARIATION CHART
JUMPER
C23 THRU C64 .02 µf
C47 C48
WANG LABORATORIES INC.
SCHEMATIC LOGIBLOC - MOTHER BD. & POWER REGULATION
7018
E

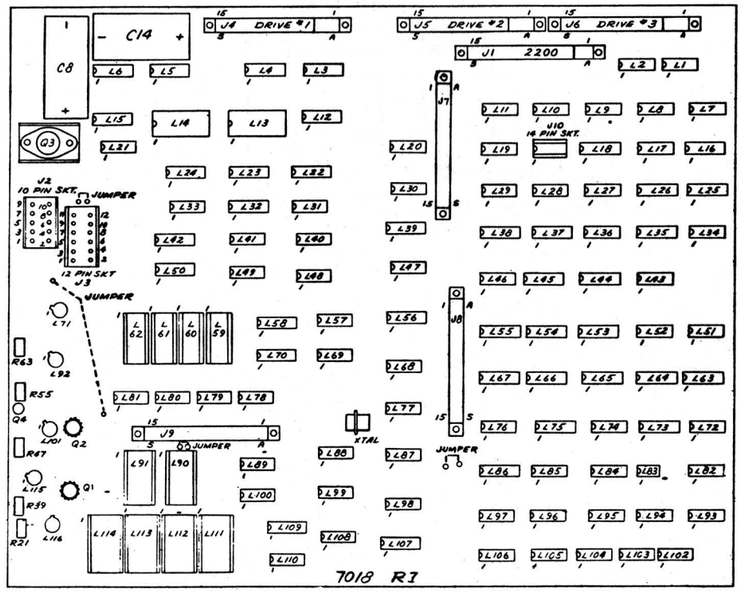
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HOLE LEGEND

DRILLED OR PUNCHED HOLE	HOLE DIA.	TOL.
TOLERANCES	.0180 to .150	±.005
	.156 to .250	±.008
	.251 to .500	±.010

IDENT.	DESCRIPTION	QTY.
A		





I.C. LOCATION	W.L. NO.	TERM ±0V	TERM +5VR
L1,8,93	376-0005	11	4
L2,9,10,11,20,31,87,104	376-0010	7	14
L3,6,66,67	376-0138	8	16
L4,5,12,15,26,37,38,54,55	376-0048	8	16
L7,17,34	376-0011	10	5
L13,14	376-0099	12	24
L16,22,23,24,25	376-0082	8	16
L18,45,65,78,79,80,81	376-0098	8	16
L19,27	376-0056	7	14
L21	376-0025	7	14
L28,29	376-0028	7	14
L30,43,49,51,60,95,102,108	376-0002	7	14
L32,39	376-0096	8	16
L33	376-0012	7	14
L35,44,63	376-0080	8	16
L36,76,88	376-0102	7	14
L40,57,82,90,105	376-0081	7	14
L41,69,72,74,97,99,103	376-0093	7	14
L42,50	376-0049	8	16
L46	376-0036	7	14
L47,52,84	376-0016	7	14
L48,85	376-0003	7	14
L53	376-0097	8	16
L56,73,107	376-0007	13	5
L58,70,86	376-0053	8	16
L59,60,61,62	377-0308	8	22
L64	376-C119	8	16
L71,92,101,115	376-0066		
L75	376-0097	8	16
L77	376-0073	10	5
L83	376-0126	1	8
L89,100	376-0055	7	14
L90,91			24
L96,106	376-0006	7	14
L109,110	376-0094	8	16
L111	378-0452R1		12
L112	378-0454R1		12
L113	378-0453R1		12
L114	378-0455R1		12
L94	376-0180	7	14
L116	376-0134	9	

COMPONENT	W.L. NO.
R40, 120, 130, 114-126 R1, 5-14, 22, 24-34, 36, 57, 59 64-67, 72, 73, 75, 77, 80-94, 116	330-3022
R2, 37, 38, 129	330-4027
R3, 118	330-3033
R4	330-6016
R20	330-5010
R21	336-1015
R23, 35, 132	330-2047
R43	331-1039
R45, 127	330-3082
R50, 51	331-0010
R39, 47, 55, 63	336-1014
R52, 53, 60, 131	330-3047
R54	330-2056
R56	330-3015
R46, 48, 58	330-3027
R61	330-2037
R62, 69	330-3048
R68	330-2049
R70, 71	330-2022
R74, 76	330-4047
R78, 79	330-2068
R98-113	330-3068
R44	330-2033
R81	333-0493
C1, 47, 48, 49, 50, 12	300-4022
C3, 19	300-2010
C4, 7	300-1907
C5, 11	300-1903
C6	300-2068
C8, 46	300-3055
C2, 51	300-1906
C10	300-1900
C13, 16, C23-44, 53	300-1904
C14	300-3054
C15	300-1160
C17	300-1610
C18	300-1390
C9	300-3011
C45	300-1220
XTAL	321-0008
D1-31, 42-44, 48	380-1001
D32	380-2091
D33, 34	380-3004
D35, 36, 39, 40, 45, 46	380-4000
D37	380-2051
D47	380-2062
D67, 49	380-0000
C20-22	300-4065
Q1	375-0018
Q2	375-1027
Q3	375-1031
Q4	375-1006
TRANSIPAD (LG)	375-9001
HEATSINK (BIRTCHER)	375-9010
R42 SEE VARIATION CHART SH. 5 OF 7	331-1056 (7018) 331-1039 (7018-1)
R95, 96, 97	330-4028
C52	330-1913

COMPONENT	W.L. NO.
J1, 4-9	350-0011
J2	654-1188
J3	654-1172
J10	
T.P. SKT. LOW PROFILE	654-1157
16 PIN I.C. SOCKET	376-9002
24 PIN I.C. SOCKET	376-9003
I.C. PAD 16 PIN	376-9008
22 PIN I.C. SOCKET	376-9010
14 PIN I.C. SOCKET	376-9012
POLARIZING KEY	350-6118

I.C. TYPE	LOCATION	SPARES
7400	L30	1
7400	L49	1
7400	L68	1
7404	L2	1
7404	L11	1
7407	L19	4
7407	L27	3
7408	L57	2
7432	L67	1
7432	L72	1
7432	L74	2
7432	L97	1
7432	L99	1
7432	L103	2
74LS04	L94	1

E 7018

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.	BY	DATE / APPROVED BY / DATE
				DWN F.S.S.	ENGR
				CHK	M ENGR
			MATERIAL	I.C. CONTROL	MFG ENGR
			MODEL NO	TITLE	
			SEE ENGRG SPECIFICATIONS	MOTHER BOARD & PARTS LIST	
			FINISH	TOL. EX. AS NOTED .XX ± .010 FRAC ± 1/64 ANG. ± 1/2°	210-7018 / E / 7018 / A1
			SCALE	SHT. 1 OF 2	WANG PART NUMBER / SIZE / DRAWING NUMBER / REV.

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NO SCALE

TYPICAL CIRCUIT

+9V (SW)

R47,51,55,59,63,67,71,75,79 — 4.7K

2N3467

Q800-A

R46,50,54,58,62,66,70,74,78

R48,52,56,60,64,68,72,76,80

33Ω 1W

R49,53,57,61,65,69,73,77,81 — 220Ω 1W

+20V

SYMBOL

Q

HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES	HOLE DIA.	TOL.
	.0135 to 135	± .003
	.136 to .350	± .004
	.351 to .500	± .005

GRAN.	DESCRIPTION	QTY.
A		

CONN 1

+12V(SW)	A1	-12V(SW)
+5VR	B2	
20V	C3	
+9V	D4	+9V(SW)
-24V	E5	+18V
	F6	VR-5B
	H7	+36V
+12V	K8	
	L9	
	M10	
	N11	
	P12	-12VR
	R13	+5VR
TP2	S14	VR-12B

CONN 2

EC	A1	EC
SFG	B2	CLR
TP8	C3	CRe
TP3	D4	TPT
	E5	b8
b7	F6	
	H7	+12V(SW)
TP5	K9	
	L10	
	M11	
	N12	
	P13	b3
b5	R14	b4
b2	S15	b1

CONN 3

-12V	A1	
SFM	B2	TP8
	C3	TP9
	D4	
	E5	
TP1	F6	S3'
TP6	H7	
+9V(SW)	J8	S8'
S6'	K9	S7'
S1'	L10	
W3	M11	S2'
S9'	N12	S3'
	P13	20V
	R14	+5VR
	S15	

COMP. SIDE — WIRING SIDE

SIGNAL TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

COMPONENT	WL PART #
R1-13,90,111	330-4010
R14-22,34,35,86	330-3027
R23-31	330-3068
R32,36,37,90-93, 125,55,59,43,47,71,75, 79,95,94,95,97,33	330-3047
R38,96,99,102,107	330-3022
R39,44	336-1007
R46,50,54,58,62,66, 70,74,78,82	330-2068
R48,52,56,60,64,68, 72,76,80	332-1033
R49,53,57,61,65,69,73, 77,81	330-2022
R82,103	336-1014
R83,89	330-2047
R84	330-1022
R85	330-3039
R87	330-2033
R88	331-1033
R91	330-2015
R98	331-2010
R100,101	330-3033
R104	330-2082
R105,45	332-2018
R106,116	330-3056
R108	332-2097
R109	330-4012
R110	330-3018
R112	330-5015
R113	330-1068
R114	330-2010
R115	330-3015
C1	300-1330
C2	300-1680
C3,10,11,13	300-1910
C4,8	300-1913
C5,6	300-1904
C7	300-1911
C9,12	300-4002
C14,15,18,21-26	300-1900
C16,20,27,28	300-4021
C17	300-1983
C19	300-1926
C2,10	325-2006
D1-10,24,24,L5,27,29,29	380-1001
D19	380-2113
D20	350-2039
D21	380-3003
D23,26	380-2042
Q1	375-1832
Q2,10	375-0017
Q3,4,7,8	375-1027
Q5,9	375-0318
Q6,8 (HEAT SINK)	375-3010
Q11 THRU 19	375-1026
Q2-7, 1-.0	325-2001

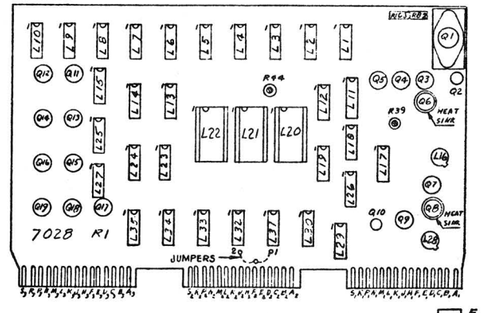
LOCATION	WL PART #	20V	+5V
L1,3,4,18	376-0025	7	14
L2,B24,25,34	376-0016	7	14
L5,13,M23,33	376-0059	7	14
L6,12,17	376-0005	11	4
L9,30,35	376-0093	7	14
L15,19	376-0109	8	16
L16,28	376-0066	-	-
L15,19	376-0026	7	14
L20	377-0311	-	-
L21	377-0290	-	-
L22	377-0261	-	-
L27,31,32,10	376-0055	7	14
L26	376-0011	10	5
L23	376-0082	7	14
L22,21,20 (SOCKET)	376-9003	-	-

FOR INTERCONNECTION SEE DWG. E6635-999

JUMPER CHART

JUMPER	TO	FOR
5₂ (1)	20V	2221W
5₂ (2)	LI5 PINS 9 & 11	LPD OPERATION

COMPONENT LAYOUT



REV	DWN	CHK	APPD	DATE
1				DEC 07 1978
0				

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL — MODEL NO 72 — SEE ENGRG SPECIFICATIONS NO.

FINISH — TOL. EX. AS NOTED; XX ± .010 FRAC ± 1/64; XXX ± .005 ANG. ± 1°30' FINISH

BY	DATE	APPROVED BY	DATE
DWN		E ENGR	
CHK		M ENGR	
E.C. CONTROL		MFG ENGR	

TITLE: SCHEMATIC, LOGIC & MEMORY + REGULATOR AND UNIVERSCORE

209-7028 — E — 7028 — 3

SCALE — SHT 1 OF 1 — WANG PART NUMBER — SIZE — DRAWING NUMBER — REV

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DO NOT SCALE

3RD. 2ND. 1ST.

7035-4 7035-3 7035-2 7035-1

M2 M1 C1 C2

7136 7132 7134 7131 7239 7137

FAN

COMPONENT	W.L. PART NO.
30 PIN CONN.	350-0011
44 PIN CONN.	350-0021
FUSE	360-1100-5B
FUSE CLIP	360-0006
12 PIN HEADER	654-1172
2 PIN HEADER	654-1198
50 PIN HEADER	654-1199

2ND 1ST.

7030 R1

REVISION	BY	DATE	APPROVED BY	DATE
ORIGINATED PER DWR # 6283	[illegible]	7-27-77	[illegible]	7-27-77
CHANGED P/O TO P/O 1 PER DWR # 6283	[illegible]	8-15-77	[illegible]	8-15

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DO NOT SCALE

HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES	HOLE DIA	TOL
	.020 to .125	± .002
	.126 to .250	± .003
	.251 to .500	± .005

SYMBOL	DESCRIPTION	QTY
A		

LOCATION	W.L. PART NO.	TERM. NO. ±0V	TERM. NO. +5VR
L1,3,6	376-0104	8	16
L2,5	0126	1	8
L4	0194	7	14
L7,13,16,40	0002	7	14
L8,9	0053	8	16
L10,11	0018	12	5
L12	0008	8	16
L14,38	0055	7	14
L15	0004	7	14
L17	0188	8	16
L18,22,31,35,37	0010	7	14
L19,24	376-0003	7	14
L20,21	377-0308	8	22
L20,21 SOCKET	376-9010		
L23,32	0031	7	14
L25	0007	13	5
L26,39	0025	7	14
L27,41	0005	11	4
L28,29,30,36	0081	7	14
L33,34	376-0046	7	14

CONN.1

P12V	A	1	+12V
+5VR	B	2	+5VR
±0V	C	3	±0V
D6	D	4	D4
D2	E	5	D7
D5	F	6	D3
D1	H	7	D8
$\overline{VFP}$	J	8	$\overline{VFP}$
$\overline{LFP}$	K	9	$\overline{ACKLG}$
BUSY	L	10	$\overline{IP}$
$\overline{DSTB}$	M	11	$\overline{CLR}$
FAULT	N	12	$\overline{LFFF}$
$\overline{PWR\ PRIME}$	P	13	$\overline{MDP}$
OSCXT	R	14	$\overline{SL}$
$\overline{PO}$	S	15	SL

CONN.2

TP1	A	1	TP2
LOCAL	B	2	REMOTE
COVER OPEN	C	3	TP8
SL OFF	D	4	TP5
SL ON	E	5	SPEAKER
PS	F	6	PF
SLCT	H	7	TP3
TP10	J	8	TP4
	K	9	F OVERRIDE
CLRM	L	10	PO LIGHT
PO SW	M	11	
XX	N	12	
FUNCTION ALARM LIGHT	P	13	
SL LIGHT	R	14	
	S	15	

CONN.3

TP7	A	1	TP12
TP6	B	2	TP11
TP9	C	3	CRAMAZ
ROAX ROMA	D	4	A6'
CR ROMA	E	5	bR7
bR8	F	6	FPB
bR4	H	7	LPS
RPB	J	8	bR3
A5'	K	9	EC
bR2	L	10	EC
HC	M	11	bR6
bR1	N	12	±0V
±0V	P	13	+5VR
+5VR	R	14	
	S	15	

COMP. SIDE — WIRING SIDE

COMPONENT	W.L. PART NO.
R1-7,9,16	330-3010
R8,10,45	2047
R11,12,15,19,23, 28,36,31,34,35,37, 39,40,47	3047
R13,21,22,29,33,38,46	1010
R14,24,43	4056
R16,17	4018
R25,42	4022
R26,44	330-3022
RET*	336-1007
R30,33	330-4010
R41	330-6015
C1,2	300-1100
C3,4,7,10,11,19, 22,23,27	1904
C5	4018
C6,9	4010
C8	4000
C12	1913
C13	1470
C14	1680
C15	1906
C16,17,20	5012
C18	5007
C21	2010
C24	4023
C25,26,28-38	1903
C39,40	300-4022
D1-16	380-1001
Q1	375-0017
Q2	375-1026
Q3 (UNMARKED)	375-2004
Q4 (UNMARKED)	375-9001

LOCATION	TYPE	SPARES
L4	T411	2
L14	T406	2
L26	9935	4
L38	T406	1
L39	9935	1
L25	T476	1

7031 R1

JUMPERS

COMPONENT LAYOUT

JAN 08 1979

E-REV 0

REVISION	BY	DATE	APPROVED
A DESIGNATED FLR CAPACITORS AS 5%	RP	1-5-11	

WANG PART NO.	ITEM	QTY	NAME
ON NEXT ASSY	ASSY USED ON		

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL	DESCRIPTION			
		BY	DATE	APPROVED BY	DATE
	DWN			ENGR	7-24-11
	CHK			M ENGR	
	E C CONTROL			MFG ENGR	
MODEL NO. A1077	TITLE I/O CONTROL & DATA STORAGE				
SEE ENGNG SPECIFICATIONS No.					
FINISH	SIZE 210-7031	E	7031	0
	SCALE	SHT	OF	WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

REV NO	REVISIONS	BY	DATE	APP'D
3/0	REVISED PER ECN# 6991 APP'D [illegible] 6-21-77			
4/0	REV PER ECN 7236			
5/0	REV PER ECN 8849			
6/1	REV PER ECN 9137			

REV. NO:	REVISIONS
0/0	ORIG. PER, DWR E-055 APP'D: Chen 10/21/75
1/0	REVISED PER R.F.A. #1872 APP'D Chen 12/9/75
2/0	REV PER ECN 6667 APP'D: [illegible] 4-7-77

Q1-Q8,18
2N6488

D1-9
D19-27
1N5366

Q18 Q8 Q7 Q6 Q5 Q4 Q3 Q2 Q1

B C E

D18 D8 D7 D6 D5 D4 D3 D2 D1

D27 D26 D25 D24 D23 D22 D21 D20 D19

J1

+37V

Q17 Q16 Q15 Q14 Q13 Q12 Q11 Q10

Q9
2N3467

R1
220Ω

D9
EM403

R2
2.2K

R3
10K

R4
4Ω
3%
5W

Q9-17
TYPICAL

J3 S9 | C3 S8 | A3 S7 | L1 S6 | K1 S5 | J1 S4 | H1 S3 | F1 S2 | F1 S1

63 73 +12VR

131 121 141 151 ±0V

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

CONN. 1

S1 S2 S3 S4 S5 S6

A 1 | B 2 | C 3 | D 4 | E 5 | F 6 | H 7 | J 8 | K 9 | L 10 | M 11 | N 12 | P 13 | R 14 | S 15

CONN. 1 +37V

N 12 ±0V
P 13 ±0V
R 14 ±0V
S 15 ±0V

CONN. 2

A 1 | B 2 | C 3 | D 4 | E 5 | F 6 | H 7 | J 8 | K 9 | L 10 | M 11 | N 12 | P 13 | R 14 | S 15

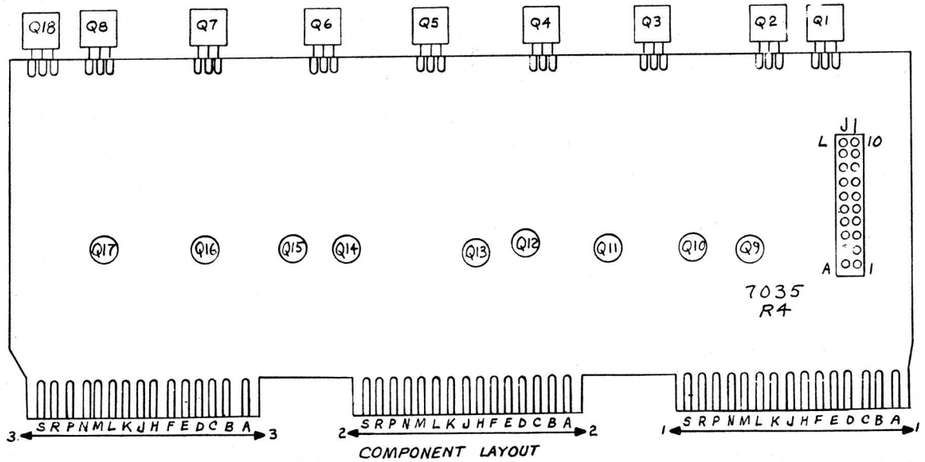
CONN. 3

S7 S8 S9

A 1 | B 2 | C 3 | D 4 | E 5 | F 6 | H 7 | J 8 | K 9 | L 10 | M 11 | N 12 | P 13 | R 14 | S 15

F +12VR
H +12VR

COMP. SIDE
WIRING SIDE



COMPONENT LAYOUT

COMPONENT	W.L. PART NO.	QTY.
Q1-8,18	375-1054	8
Q9-17	375-1026	8
Q9-17	375-9001	8
D1-8,19-27	380-2141	16
D9	380-4000	8
R1	330-2022	8
R2	330-3022	8
Q1-8,18	375-9016	8
R4	334-0027	8
R3	330-4010	8
J1	350-0037	1

JAN 03 1979

7035 E-REV 1

7035-1 E-REV 1

* THIS CIRCUIT TO BE USED ON 7035-1 ONLY

WANG LABORATORIES INC.
TEWKSBURY, MASS.

MODEL NO.	DRAWN		APP.	
77	EK	10-1-75	Richen	10/21/75
	CHECKED G.D.	10/15/75	APP.	

TITLE
SCHEMATIC LOGIBLOC
SINGLE HEAD SOLENOID DRIVER

W.O. NO.	DWG. NO.	REV
210-7035	C 7035	6

DWG. NO. C7035

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HOLE LEGEND

HOLE DIA.	QTY.
DRILLED ER .035 to .135	
PUNCHED HOLE .136 to .359	
TOLERANCE .351 to .368	

IDENT	DESCRIPTION	QTY.
A		

COMPONENT	W.L. PART NO.
R1-7, 53,	330-3010
R8,9	330-2047
R10,12,14,37, 38,43-45, 47, 50, 51, 59, 64-69, 4,5,6,61,63,71, T4, T5,T7, T9,81,94,116	330-3047
R11,13,15,68,70,76, 82,85	
R13, 45	330-4018
R75-77,82,41,42,85-100	330-3068
R23-35,64	330-4010
R 33,48,101-116	330-3027
R46,47,52,61,66,73, 80, 83	330-1010
R55,118	330-4056
R60	330-2039
R72	330-4012
R20,21	330-3039
D1-5	380-1004
L14, 15	376-9005
C1,2	300-1010
C3,10	300-4010
C4,8,13,20-22,27,28	300-1390
C45, C46	300-1913
C5-7, 15,16,1925,26	300-1904
C9	300-4000
C11	300-5004
C12	300-4018
C14,18	300-1906
C17	300-1933
C23,44	300-1470
C24	300-5006
C29-40	300-1900
C41, 42, 43	300-4021
R119	300-4033
R121, 122, 123	330-2022

LOCATION	W.L. PART NO.	±0V	Vcc+5VR
L1,10	376-0104	8	16
L2,7,22,27	376-0002	7	14
L3	376-0025	7	14
L4,23	376-0093	7	14
L5,11,18,31,39,43-45	376-0010	7	14
L6,21,37	376-0005	11	4
L8,25	376-0243		16
L9,19	376-0244	8	16
L12,42	376-0004	7	14
L13,16,20	376-0055	7	14
L14	377-0320		
L15	377-0319		
L17,36	376-0188	8	16
L26,38	376-0046	7	14
L28	376-0003	7	14
L29,30	376-0059	7	14
L33	376-0008	8	16
L34,35	376-0031	7	14
L24,40,41	376-0028	7	14
L 22	376-0034	7	14

TYPE	LOCATION	SPARES
9935	L3	1
7404	L43	1

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

CONN. 1

TP0	A1	
TP1	B1	
TP2	C1	
TP3	D1	
TP4	E1	
TP5	F1	
TP6	H1	
TP7	J1	
SL	K1	
CLEAR	L1	
SL-LI	M1	
FOR	N1	
RMS	P1	
CO	R1	
SLT2	S1	
LF	T1	
	U1	
	V1	
	W1	
	X1	
	Y1	
	Z1	
	A2	
	B2	
	C2	
	D2	
	E2	
	F2	
	H2	
	J2	
	K2	
	L2	
	M2	
	N2	
	P2	
	R2	
	S2	
	T2	
	U2	
	V2	
	W2	
	X2	
	Y2	
	Z2	
	A3	
	B3	
	C3	
	D3	
	E3	
	F3	
	H3	
	J3	
	K3	
	L3	
	M3	
	N3	
	P3	
	R3	
	S3	
	T3	
	U3	
	V3	
	W3	
	X3	
	Y3	
	Z3	

CONN. 2

+12V	A1	+12V
BL	B1	FSS
-12V	C1	-12V
A1	D1	POP
ARO	E1	SEO
ARE	F1	SCE
A2	H1	S1
G1	J1	S2
FAULT	K1	S3
G2	L1	S4
FSO	M1	S5
SL	N1	S6
FSE	P1	S7
CLR	R1	S8
PRINT	S1	S9

CONN. 3

CEP	A1	SF2
EC	B1	RESET
LFP	C1	ACRLG
FFP	D1	BUSY
VFP	E1	DT8
PO	F1	DT7
CLR	H1	DT6
MS	J1	DT5
MA	K1	DT4
b6	L1	DT3
b7	M1	DT2
CF	N1	DT1
RN	P1	DSTB
+5VR	R1	+5VR
±0V	S1	±0V

COMP. SIDE — WIRING SIDE

C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 .05 μf

C41 100 μf (T) +5VR

C42 100 μf, 15V (T) ±0V

C43 100 μf (T) +12V

-12V

COMPONENT LAYOUT

JUMPER

NOTES

1. ALL CHIPS ARE 7400 SERIES UNLESS OTHERWISE SPECIFIED.

REVISION	DWG. PER ECR #	BY	DATE
1	ORIG. PER DWR # EM	AK	4-15-76
2	REVISED PER RFA # 2033	AK	5-10-76
3	REVISED PER RFA # 2033 APP'D.	AK	5-10-76
4	REVISED PER ECR # 580	AK	5-10-76
5	REVISED PER ECR # 580	AK	5-10-76
6	REVISED PER ECR # 580	AK	5-10-76

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DO NOT SCALE

COMPONENT LAYOUT 7070 R3

L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29 L30 L31 L32 L33 L34 L35 L36 L37 L38 L39 L40

JUMPER

ITEM

L24

COMPONENT	W.L. PART No.
R1,3	330-2021
R2	330-2078
R4	330-3018
R5,6,9-13,18,19, 20-24,31	330-3047
R14,17	330-7016
R20,7	330-8047
R8,11-23	330-8078
C1	300-1081
C2	300-6017
C3	300-6080
C4,18,19,22, C5-17,20,24	300-6022
	302-1780
Q1,2	375-1038
D1	384-1081
16 PIN SOCKET	376-9012
16 PIN PAD	376-9008
22 & 40 PIN SOCKET	376-9011

LOCATION	W.L. PART No.	PIN No. LOC	PIN No. +5VR
L1,13,19,20,32,33,34	376-0010	7	14
L2	376-0093	7	14
L4	376-0104	8	16
L5	376-0006	7	16
L7,8,17,16	376-0094	8	16
L9,23,24,35	376-0133	8	16
L12	376-0073	10	5
L17	376-0138	7	14
L18	376-0098	8	16
L26	377-0209	7	20
L27	376-0138	8	16
L28	376-0005	7	14
L30	376-0075	7	14
L36,37	376-0008	8	16
L38	376-0057	7	14
L39	376-0002	7	14
L40	376-0087	7	14

* L3, 6, 10, 11, 16, 21, 22, 23, 28, 31 ARE NOT LOADED ALSO R6, 8, 9, 11, 13, 21 AND C1 NOT LOADED

IC TYPE	LOCATION	SPARE
7404	L1	2
7408	L40	1
7410	L38	1
7420	L28	1
7432	L2	1
7474	L7	1
74LS368	L9	2
	L25	2
9602	L4	1

HOLE LEGEND

SYMBOL	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE	.040 to .125	±.003
	.126 to .250	±.004
TOLERANCES	.251 to .500	±.005

SHEET	DESCRIPTION	DATE
A		

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (SOLDER) SIDE OF CONNECTOR

CONN. 1

+12V	A1	+12V
+5VR	B2	+5VR
-5V	C3	-5V
$\overline{A_0}$	D4	$\overline{A_0}$
$\overline{A_1}$	E5	$\overline{A_1}$
$\overline{A_2}$	F6	$\overline{A_2}$
$\overline{A_3}$	H7	$\overline{A_3}$
$\overline{A_4}$	J8	$\overline{A_4}$
$\overline{A_5}$	K9	$\overline{A_5}$
$\overline{A_6}$	L10	$\overline{A_6}$
$\overline{A_7}$	M11	$\overline{A_7}$
$\overline{A_8}$	P12	$\overline{A_8}$
$\overline{A_9}$	R13	$\overline{A_9}$
$\overline{A_{10}}$	S14	$\overline{A_{10}}$
$\overline{A_{11}}$	T15	$\overline{A_{11}}$
$\overline{A_{12}}$	U16	$\overline{A_{12}}$

CONN. 2

INT_2	A1	$\overline{D_7}$
$\overline{IB_2}$	B2	$\overline{ID_1}$
$\overline{IB_3}$	C3	$\overline{D_6}$
$\overline{IB_4}$	D4	$\overline{ID_4}$
$\overline{IB_5}$	E5	$\overline{D_5}$
IMP	F6	$\overline{D_4}$
M_2H	H7	$\overline{D_3}$
M_1R	J8	$\overline{M_1R}$
M_1W	K9	$\overline{M_1W}$
IOR	L10	$\overline{M_2R}$
M_1R	M11	OUT
M_2O	P12	$\overline{M_2O}$
M_2O	R13	$\overline{M_2O}$
MRR	S14	$\overline{M_2O}$
IOWT	T15	$\overline{M_2O}$

CONN. 3

M_1O	A1	MEMR
SYNC	B2	TWR
RES.	C3	PMR
RD/WT	D4	INTAG
MRO	E5	MEWT
M_1	F6	STW
RFEB	H7	CE
REFAS	J8	WO
REFST	K9	RE
INT	L10	TEA
WI	M11	WR
-5V	N12	-5V
+5V	P13	+5V
+5VR	R14	+5VR
	S15	
	T16	

COMP. SIDE — WIRING SIDE

J1

TP_1	1	TP_{10}
TP_9	2	TP_{15}
TP_5	3	TP_8
	4	TP_4
TP_2	5	TP_7
TP_3	6	TP_6
TP_{17}	7	
	8	

E-REV 2

DEC 07 1978

REVISION	DATE	APPROVED	DATE
A	7/31/74	PRA	
B	9/24/74	PRA	
C	10-14-74	PRA	10-16-74
D	11/21/74	PRA	11-22-74
E	12/19/74	PRA	12-20-74
F	1/31/75	PRA	2-3-75
G	4/24/75	PRA	4-25-75
H	10-14-76	PRA	10-18-76
J	2-10-78	PRA	2-13-78
K	7-24-78	PRA	7-25-78

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
FIRST USED ON	ASSY USED ON		WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.	BY	DATE / APPROVED BY / DATE
				DWN. JB	3/31/76 E ENGR. CS BD Rev E 8-4-78
				CHK. (J.J.)	6-4-76 M ENGR
			MATERIAL	MODEL NO 2212W	I C CONTROL / MFG ENGR
			FINISH	SEE ENGG SPECIFICATIONS No.	TITLE CPU-DRUM PLOTTER
				TOL. EX AS NOTED .XX ± .010 FRAC ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH	210-7070 E 7070 5
				SCALE 3/4 / 0 / 1	WANG PART NUMBER / SIZE / DRAWING NUMBER / REV.

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MILLIMETERS IN PARENTHESIS.
TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.

DO NOT SCALE

LOCATION	TYPE	SPARES
L10	7404	2

COMPONENT	W.L. PART NO.
C1 - 8	300-1930
C9,10,11	300-1900
C12,13,14	300-4018
C15	300-4017
R1	330-3010

LOCATION	W.L. PART NO.	TERM.NO ±0V	TERM. NO. Vcc +5VR
L1,10,19	376-0010	7	14
L2-9	377-0069	9	10
* L15-18		12	24
L20	376-0008	8	16
L21,22,23	376-0179	8	16

* SEE SOFTWARE LOADING CHART

SOFTWARE LOADING CHART					
	L15	L16	L17	L18	L2 - L9
ENGLISH 3 PEN	378-2014-R7	378-2013-R6	378-2012-R6	378-2011-R6	377-0069
ENGLISH 1 PEN	378-2023-R6	378-2022-R5	378-2021-R5	378-2020-R5	377-0069
METRIC 3 PEN	378-2010-R7	378-2009-R6	378-2008-R6	378-2007-R6	377-0069
METRIC 1 PEN	378-2019-R6	378-2018-R5	378-2017-R5	378-2016-R5	377-0069
METRIC 3 PEN			378-2229	378-2228	377-0069

JUMPERS	A	B
DEBUG USE	REMOVE	LOAD
NORMAL	LOAD	REMOVE

HOLE LEGEND & TOLERANCES	
HOLE DIA	TOLERANCE
.0135 - .125	+ .003 - .000
.126 - .250	+ .004 - .000
.251 - .500	+ .005 - .001

SYM.	DESCRIPTION	QTY.
A		

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

DEC 07 1978

REVISION	BY	DATE	APPROVED BY	DATE
6 REDRAWN PER DWR # E113 APP'D: JKH	AK	4-8-76		
6 REVISED PER RFA # 2109 APP'D: SKH	AK	4-20-76		
6 REVISED PER RFA # 2186 APP'D: SKH	AK	4-20-76		
6 REVISED PER ECN # 5069581 APP'D: SKH	EBA	9-28-76		
6 REVISED PER ECN # 6729 APP'D: SKH	EBA	3-17-77		
5 REVISED PER ECN # 7316 APP'D: [illegible]	DT	4-5-77		
4 REVISED PER ECN # 8236 APP'D: BF	DT	7-18-77		
7 REVISED PER ECN # 9048 APP'D: BE	DT	7-31-78		

QTY.	ITEM	WANG PART NO.	DRAWING NO.	DESCRIPTION
NEXT ASSY.				

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

BY	DATE	APPROVED BY	DATE
DWN AK	4-8-76	E ENGR SKH	7/26/78
CHK G.D.	4/26/78	M ENGR	
		MFG ENGR	

MATERIAL

MODEL NO. 2212W
SEE ENGRG. SPECIFICATIONS No.

FINISH

TOL. EX. AS NOTED
.XX ± FRAC. ±
.XXX ± ANG. ± FINISH √

SCALE NONE SHT 4 OF 5

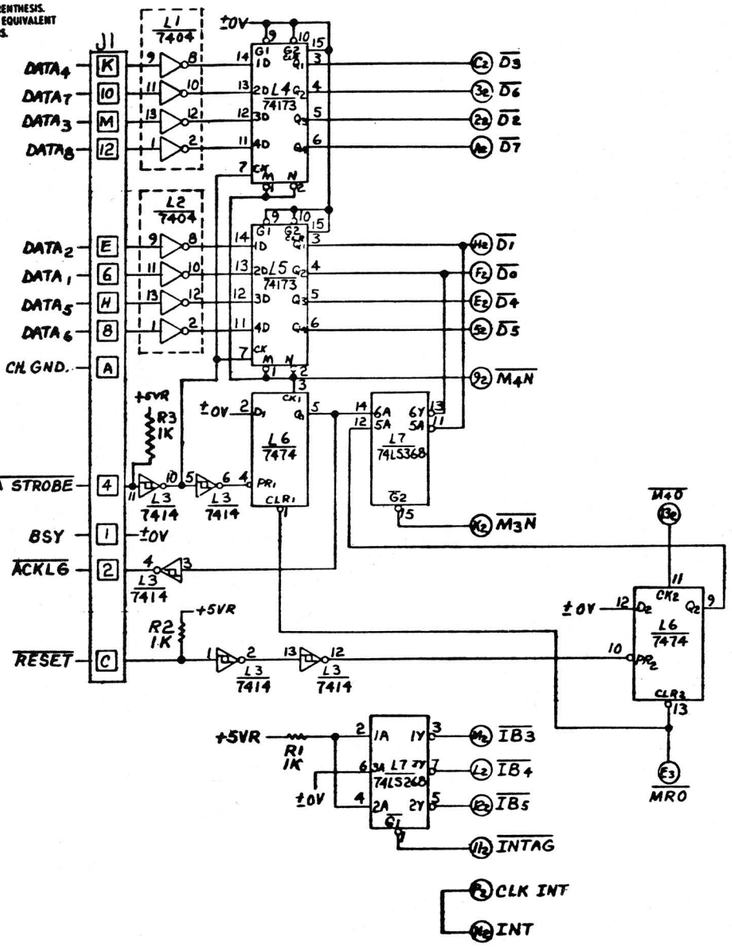
TITLE: SCHEMATIC LOGIBLOC RAM/PROM MEMORY

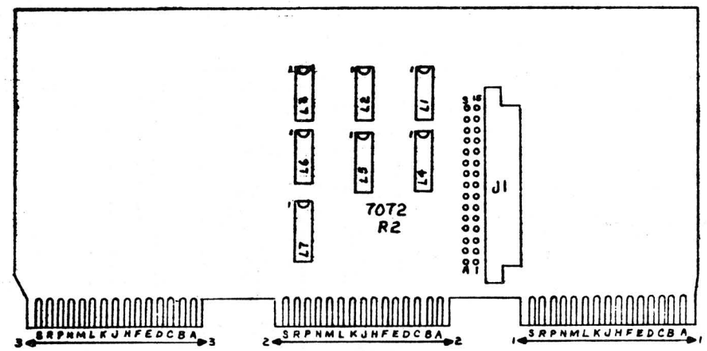
210-7071	D	7071	7
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.

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DO NOT SCALE

MILLIMETERS IN PARENTHESIS. TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.





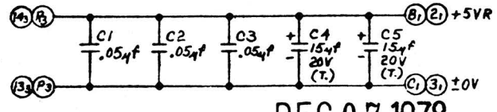
LOCATION	TYPE	SPARES
L1	T404	2
L2	T404	2
L3	T414	1

LOCATION	W.L.PART NO.	TERM. NO ±0V	TERM. NO. Vcc 5VR
L1,2	376-0010	7	14
L3	376-0139	7	14
L4,5	376-0183	8	16
L6	376-0006	7	14
L7	376-0193	8	16

COMPONENT	W.L.PART NO.
R1,2,3	330-3010
C1,2,3	300-1900
C4,5	300-4022
J1	350-0009

J1

CH.GND	A	1	BSY
±0V	B	2	ACKLG
RESET	C	3	±0V
±0V	D	4	DATA STROBE
DATA 2	E	5	±0V
±0V	F	6	DATA 1
DATA 5	H	7	±0V
±0V	J	8	DATA 6
DATA 4	K	9	±0V
±0V	L	10	DATA 7
DATA 3	M	11	±0V
±0V	N	12	DATA 8
±0V	P	13	±0V
	R	14	
	S	15	



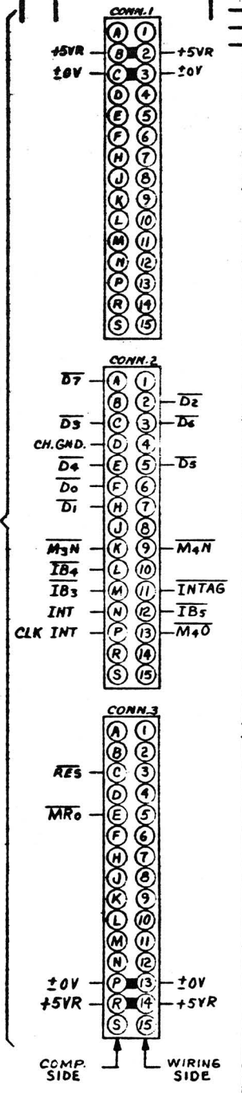
DEC 07 1978

HOLE LEGEND & TOLERANCES

HOLE DIA	TOLERANCE
.0025 - .125	+ .003 - .001
.126 - .250	+ .004 - .001
.251 - .500	+ .005 - .001

SYMB.	DESCRIPTION	QTY.
A		-

SIGNAL - TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR



E-REV 1

REVISION	BY	DATE	R.A.
0	ORIG PER DWR E-120 APP'D: SKHO	3-4-76	3-28-76
1	REVISED PER RFA # 2105 APP'D: SKHO	4-23-76	5-28-76
2	REVISED PER RFA # 2223 APP'D: SKHO	5-28-76	7-28-76
3	REVISED PER ECN # 5799 APP'D: [illegible]	7-28-76	

QTY.	ITEM	WANG PART NO	DRAWING NO	DESCRIPTION
NEXT ASSY.				

WANG LABORATORIES, INC. TEWKSBURY MASS U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	[illegible]	3-4-76	E ENGR SKHO	4/24/76
CHK	G.D.	4/24/76	M ENGR	
			MFG ENGR	

MATERIAL

MODEL NO. 2212W

SEE ENGRG. SPECIFICATIONS No.

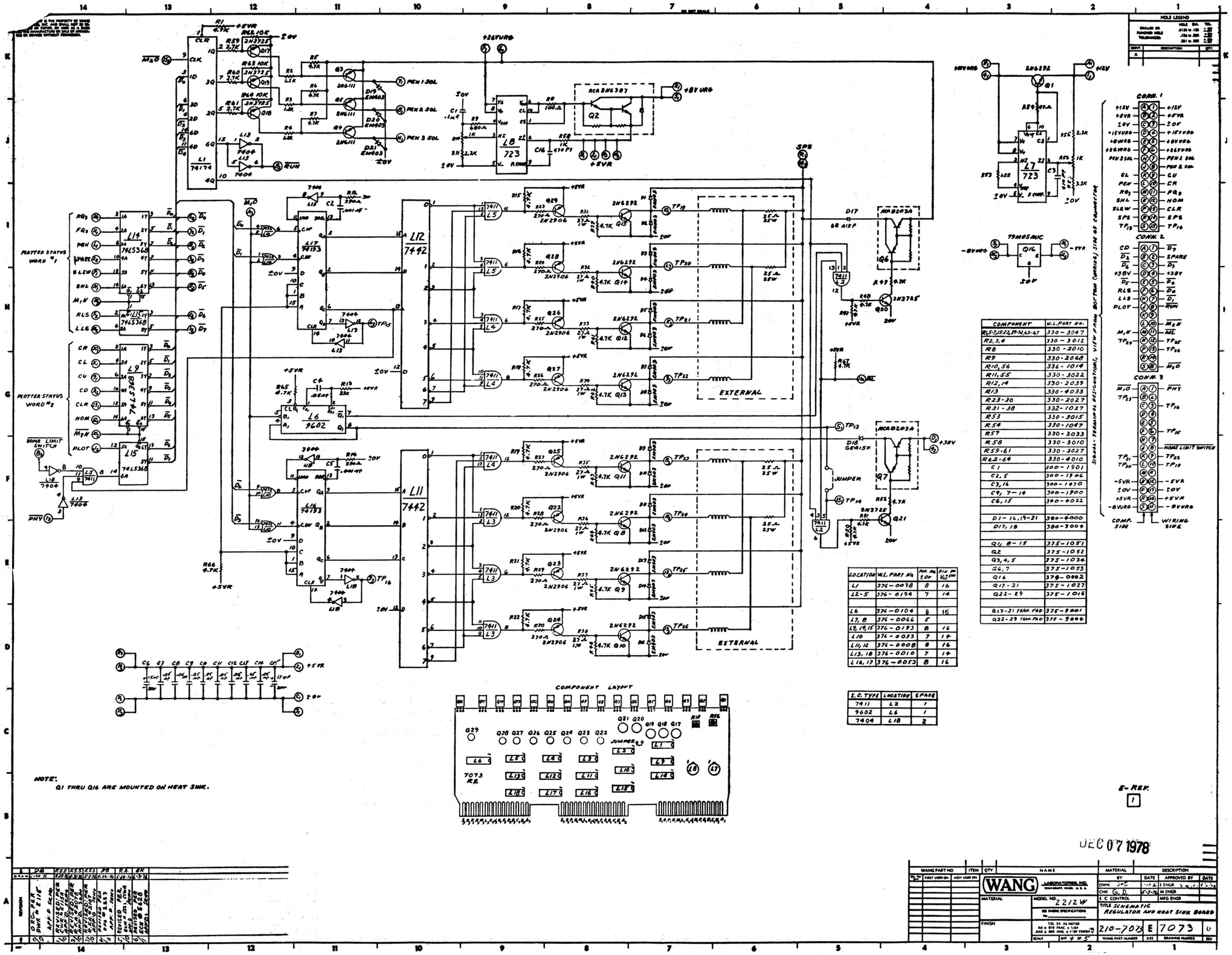
FINISH

TOL EX AS NOTED
XX ± FRAC ±
XXX ± ANG ± FINISH √

TITLE SCHEMATIC LOGIBLOC DRUM PLOTTER INTERFACE CARD

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
210-7072	D	7072	3

SCALE [illegible] SHT 1 OF 3



COMPONENT	W.L. PART NO.
R1,5-7,15,22,29-34,45-47	330-3047
R2,3,4	330-3012
R8	330-2010
R9	330-2068
R10,56	336-1014
R11,55	330-3022
R12,14	330-2039
R13	330-4033
R23-30	330-2027
R31-38	332-1027
R53	330-3015
R54	330-1047
R57	330-3033
R58	330-3010
R59-61	330-3027
R62-64	330-4010
C1	300-1901
C2,5	300-1906
C3,16	300-1870
C4, 7-14	300-1900
C6,15	300-6022
D1-16,19-21	380-6000
D17,18	380-3006
Q1, 8-15	375-1051
Q2	375-1052
Q3,4,5	375-1034
Q6,7	375-1053
Q16	378-0062
Q17-21	375-1027
Q22-29 TRANS PAD	375-1016
Q17-21 TRANS PAD	375-9001
Q22-29 TRANS PAD	375-9006

LOCATION	W.L. PART NO.	PWR. PIN 10V	PWR. PIN VCC 5V
L1	376-0098	8	16
L2-5	376-0194	7	14
L6	376-0104	8	16
L7, 8	376-0046	5	
L9, 14, 15	376-0193	8	16
L10	376-0033	7	14
L11, 12	376-0008	8	16
L13, 18	376-0010	7	14
L16, 17	376-0053	8	16

I.C. TYPE	LOCATION	SPARE
7411	L2	1
9602	L6	1
7404	L18	2

REVISION	DR	ECO
0		ORIG. PER DWK # E116
A		REVISED PER ECO # E154 APP'D 5/5/75
B		REVISED PER ECO # E166 APP'D 6/4/75
C		REVISED PER ECO # E178 APP'D 7/24/75
D		REVISED PER ECO # E188 APP'D 11/3/75
E		REVISED PER ECO # E228 APP'D 7/24/76

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COMPONENT	W.L. PART NO.
C1	300-3067
C2	300-3017
C3	300-3069
C4	300-3073
C5	300-3058
C6	300-3021
D1-10	380-3004
D11,12,13,14	380-4000
J1,2	654-1186
J5	654-1190
J3	350-0021
J4	376-9016
J6	654-1194
30 PIN CONN.	350-0011
R1,4,5	330-3047
R2	331-3047
R3	330-2056
R6-20	330-4010

DEC 07 1978

REVISION	BY	DATE	APPROVED
0	DWN PER ECN #1211 APPD: [illegible]	11-6-76	[illegible]
1	REVISED PER RFA 210 APPD: [illegible]	5-17-76	[illegible]
2	REVISED PER RFA 210 APPD: [illegible]	6-16-76	[illegible]
3	REVISED PER RFA 233 APPD: [illegible]	7-8-76	[illegible]
4	REVISED PER ECN #1211 APPD: [illegible]	10-20-76	[illegible]
5	REVISED PER ECN #1284 APPD: [illegible]	4-25-77	[illegible]
6	REVISED PER ECN #1284 APPD: [illegible]	6-27-77	[illegible]

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.	BY	DATE / APPROVED BY / DATE
			MODEL NO. 2212W	DWN AK	11/6/76 E ENGR
			SEE DWING SPECIFICATIONS No.	CHK [illegible]	11/11/76 M ENGR
			TOL ON AS NOTED .XX ± .010 FRAC ± 1/64 .XXX ± .005 ANG. ± 1°30' (PARTS)	E.C. CONTROL	MFG ENGR
			SCALE 2/1 SHT 1 OF 1	TITLE DRUM PLOTTER MOTHERBOARD	
				210-7074 WANG PART NUMBER	E SIZE 7074 DRAWING NUMBER 7 REV.

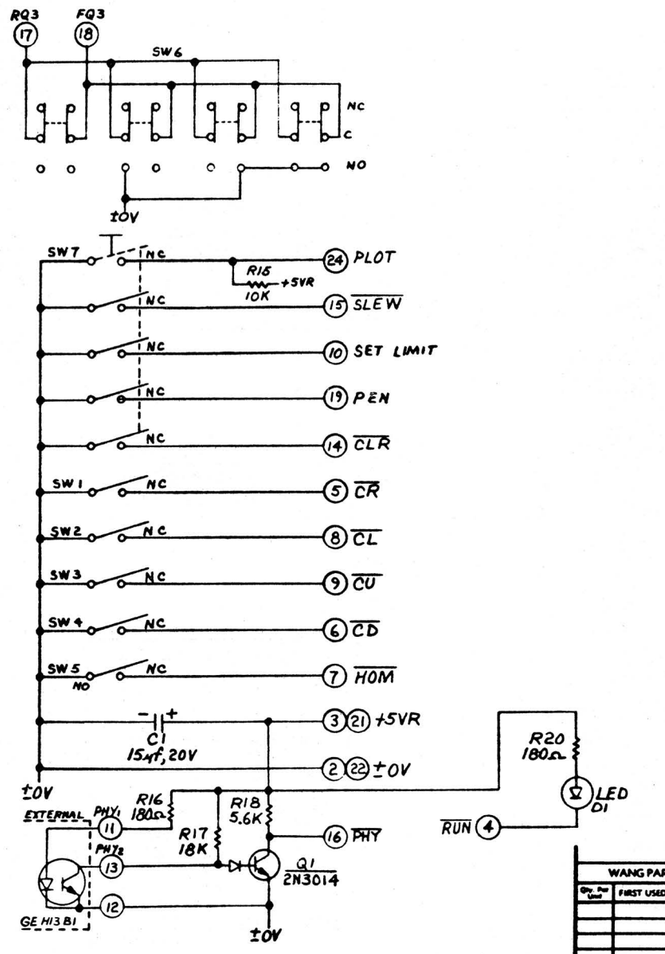
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DO NOT SCALE

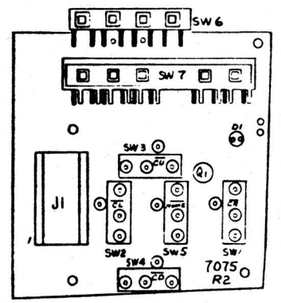
HOLE LEGEND

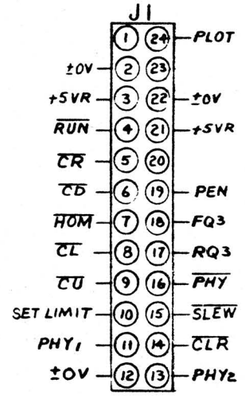
	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	± .002
	.126 to .250	± .003
	.251 to .500	± .004

IDENT.	DESCRIPTION	QTY
A		



COMPONENT	W.L. PART NO.
R15	330-4010
R16,20	330-2018
R17	330-4018
R18	330-3056
R19	330-3022
J1	376-9003
C1	300-4022
Q1	375-0019
D1	370-0027
D2	380-1001
SW1-SW5	325-2300
SW6	325-2228
SW7	325-2229





ECN NO. 5536
PENDING 7075
Jan 17 1979

COMPONENT LAYOUT

DEC 07 1978

E-REV 0

REVISION	BY	DATE
ECNS PER DWR 2142 APP'D Jan Osborne	AK	5-11-76
REV PER RFA 2108 APP'D Jan Osborne	AK	5-5-76
REV PER RFA 2197 APP'D [illegible]	AK	5-5-76

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
Qty. Per Used	FIRST USED ON	ASSY USED ON			

WANG LABORATORIES, INC. TEWKSBURY MASS U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	[illegible]	5-11-76	E ENGR	
CHK	[illegible]		M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL

MODEL NO 2212W

SEE ENGRG SPECIFICATIONS No

FINISH

TOL EX AS NOTED
XX ± 010 FRAC ± 1/64
XXX ± 005 ANG ± 1°30' FINISH √

SCALE NC SHT 1 OF 5

TITLE SCHEMATIC LOGIBLOC DRUM PLOTTER KEYBOARD

210-7075	C	7075	2
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

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BOARD #	MODEL	COMPONENTS	P/N	E-REV
7076	2221W	MT CAPACITORS		J
		C7 820pF	325-1820	
		C21 220pF	325-1370	
		C44,45 .047µF	305-1406	
		R21 4.7K	330-3047	
		R30 10K	330-4010	
		MT RESISTORS R31,34,44 330-3010		
	2200W	MT CAPACITORS		
		C41 47pF	325-1047	
		C46 .1µF	140-1010	
		MT RESISTORS R2,24,25,33,35,36		
		R28 4.7K	330-3047	
		R83 1K	330-3010	

LOCATION	W.L. PART NO.	PINS/PKG	TYPE/PKG
L1,3,13,23	376-0046	7	14
L2,4,9,11,20	-0014	8	16
L4	-0003	7	14
L5,15,41	-0005	11	4
L6,14,17,11,15	-0016	7	14
L7,16,21,26, 28,32,38	-0006	7	14
L 22,33	-0016	7	14
L18	-0025	7	14
L19,30	-0126	1	3
L24	-0004	7	14
L24,27,36,37	-0165	—	8
L34	-0009	8	16
L39,40	-0055	7	14
L17	376-0025	7	14

PARTS LIST

COMPONENT	W.L. PART NO.
R1-7,9,24,44,45	330-3010
R8,10	-2047
R11,12,14,29,31, 31,32,40,43,51	-3022
R33,17,18 22,25	-3047
R15,19,69	-4018
R16,55	-4056
R54	-4022
R42,43,50,46,52	-1010
R47	-4010
R26,34	-4033
R45,61,72	-6015
R48	-4012
R56	330-2033
R57	332-1022
R58	330-3033
R59	330-3012
CJ,2	300-1010
C3	-4018
C4,6	-4010
C5,12	-4000
C10,27,42,43	-1904
C11	-4016
C9	-1910
C23	-1911
C13	-5005
C14,38,39,40	-4022
C15,16,19	-1901
C17,24,25	-2022
C18	2310
C20,26	-4014
C21,22	-2110
C28-37	300-1930
DR 21	380-1001
Q1,2	375-0017
Q3	375-1027
R67	330-3056
Q1,2	375-9004
Q3	375-9001
R81,82,84	330-2332
R83	330-3010

COMPONENT	W.L. PART No.
C47	300-1703
C8	300-4042
R23	330-4019

E.C. TYPE	LOCATION	SPARE
7400	C,4	1
9935	C,7	2
9936	C,22	1

HOLE LEGEND

SIZE	DESCRIPTION	QTY
A	DRILLED .125 PUNCHED HOLE TOLERANCES: .XX ± .010 .XXX ± .005	

CONN 1

T.P.4	A	1	
+5VR	B	2	FF
±0V	C	3	CIP
DT1	D	4	DT8
DT2	E	5	DT5
DT3	F	6	DT4
IP	H	7	DT7
DT8	J	8	DSTB
T.P.3	K	9	TAT
CR1	L	10	BUSY
M.F.N.C.	M	11	SACT
SPF	N	12	POWER ON PRIME
SPARE FUNCTION	P	13	FFP
VTP	R	14	IFF
SPARE FUNCTION	S	15	SPARE FUNCTION

CONN 2

EC	A	1	EC
CLR	B	2	
IFD	C	3	SPARE
IFE	D	4	SL
MAL FUNCTION	E	5	b8
CR4	F	6	XR.8
b7	H	7	PF
CF	J	8	TP8
COVER OPEN	K	9	
PAPER OUT SW.	L	10	SFM
PS	M	11	SELECT SW. ON
	N	12	CRS
b5	P	13	b3
b4	R	14	b6
b2	S	15	b1

CONN 3

-12V	A	1	SLCTR
	B	2	T.P.5
FAULT	C	3	
ALARM LIGHT	D	4	T.P.2
SPKR	E	5	CLRM.
CLCR	F	6	PS
T.P.3	H	7	
PAPER OUT	J	8	SELECT LIGHT
	K	9	OSCKT
PO	L	10	RD
RB	M	11	SELECT SW. OFF
TIME METER	N	12	T.P.1
	P	13	±0V
FORM OVER-RIDE	R	14	-5VR
	S	15	

SIGNAL - TERMINAL DESIGNATION: VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

COMP SIDE — WIRING SIDE

7076 R5

COMPONENT LAYOUT

JUMPER FOR 2221W OUT FOR LFO OUT FOR LOOW

DEC 07 1978

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC.	BY	DATE APPROVED BY
			MATERIAL	DWN	E ENGR
			MODEL NO. 2221W	CHK	MFG ENGR
			FINISH	E C CONTROL	MFG ENGR
			SCALE	TITLE SCHEMATIC LOGIBLOC I/O CONTROL DATA TERMINAL	
				210-7076	E 7076-1 10

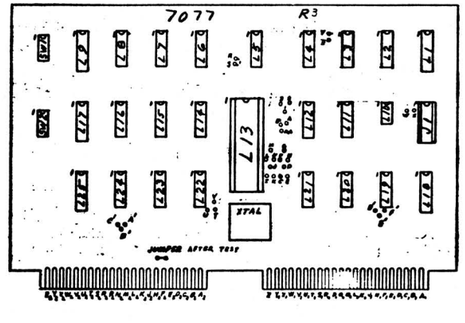
7076-1 G REV 2 — 7076 E REV 4

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OPTIONS	JUMPER CONFIGURATION			
PARITY	ENABLE	INHIBIT	EVEN	ODD
	A TO B	AA TO B	G TO H	F TO G
PARITY ERROR CHECK	YES	NO		
	O TO P	P TO Q		
WORD LENGTH	5 BIT	6 BIT	7 BIT	8 BIT
	J TO I L TO M	J TO I N TO M	J TO K L TO M	J TO K N TO M
# OF STOP BITS	1	2		
	C TO D	D TO E		
BUSY LINE (MODEM USED)	ACTIVE HIGH (BUSY)	ACTIVE LOW (BUSY)		
	V TO U W TO X	T TO U W TO X		
BUSY LINE (NULL MODEM USED)	ACTIVE HIGH (BUSY) EIA LEVEL OUTPUT	ACTIVE LOW (BUSY) EIA LEVEL OUTPUT	ACTIVE HIGH (BUSY) TTL LEVEL OUTPUT	ACTIVE LOW (BUSY) TTL LEVEL OUTPUT
	Y TO U W TO X	Z TO U W TO X	Y TO X	Z TO X
START OF MESSAGE	RECOGNIZE	IGNORE		
END OF MESSAGE CONTROL CHARACTER	NO JUMPER FROM R T03	R TO 3		
HIGH ORDER 8 BIT SELECT	ENABLE	DISABLE		
	1 TO 2	2 TO 3		

BAUD SELECT

COMPONENT LAYOUT



LOCATION	WL PART #	PIN # TOP	PIN # +5VR		
L1	376-0065	12	5		
L2, 24	376-0016	7	14		
L3, 7, 12, 14	376-0010	7	14		
L4	376-0029	7	14		
L5, 15	376-0007	7	14		
L6	376-0002	7	14		
L8, 16	376-0005	11	4	+12V	-12V
L9, 17	376-0094	8	16	+Vcc	-Vcc
L10	376-0076	4		8	5
L11	376-0056	7	14		2
L13	777-0071	3	1		
L18	376-0077	8	15		
L19, 20, 22	376-0125	7	14		
L23	376-0086	7	14		
L25	376-0100	8	16		

COMPONENT	WL PART #
R1, 11-13, 21, 26	330-4070
R2	330-2068
R3-6, 8, 10, 20, 25	330-3070
R7, 9	337-0053
R27-28	330-3028
R36	330-3047
C1	300-4021
C2, C28	300-1705
C3	300-1220
C4, 5	300-4042
C6, 13, 24, 25	300-4022
C7-10	300-1900
XTAL	321-0015
SW 1, 2	325-1601
SW CAP	325-9005
J1 SOCKET (14 PIN)	376-9005
L13 SOCKET (40 PIN)	376-9011

I.C. TYPE	LOCATION	SPARE
7402	L2	2
	L24	1
7404	L7	1
	L3	1
7410	L15	2
7427	L22	1
7473	L8	1

BAUD RATE SELECTION									
BAUD RATE	SWITCH 2			SWITCH 1					
	4	3	2	1	5	4	3	2	1
110	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
300	OFF	OFF	ON	OFF	ON	ON	ON	ON	ON
600	OFF	OFF	OFF	ON	OFF	ON	ON	ON	ON
1200	OFF	OFF	OFF	ON	ON	OFF	ON	ON	ON
2400	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON
4800	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
7200	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
9600	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF

E-REV 1

DEC 07 1978

REVISIONS				
REV	PER ECO	DATE	BY	APPD
A	6-17-76	6-17-76		
B	6-18-76	6-18-76		
C	6-25-76	6-25-76		
D	7-19-76	7-19-76		

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		
MATERIAL			MODEL NO. 200W	DWN JB 3-17-76	E ENGR
			SEE DWING SPECIFICATIONS No.	CHK [illegible] 4-6-76	M ENGR
FINISH			TOL EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1/2° FINISH (1)	E.C. CONTROL	MFG ENGR
			SCALE NA SHT 6 OF 6	TITLE SCHEMATIC RS232 INTERFACE	
				210-7077	E 7077 3.
				WANG PART NUMBER	SIZE DRAWING NUMBER REV

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DO NOT SCALE

HOLE LEGEND

SYMBOL	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE, TOLERANCE	.0135 to .135	±.002
	.136 to .250	±.003
	.251 to .500	±.005

SYMBOL	DESCRIPTION	QTY.
A		

J1

DATA8	1	A
DATA7	2	B
DATA6	3	C
DATA5	4	D
DATA4	5	E
DATA3	6	F
DATA2	7	H
DATA1	8	J
DATA0	9	K
ACK	10	L
BUSY	11	M
RESET	12	N
DATA STROBE		

+5V, 20V

J2

1	
E	
3	+18V
4	20V
5	+30V
6	PS6
7	+30V
8	PS4
9	+30V
10	PS5
11	+30V
12	PS7
13	+30V
14	PS8
15	+30V
16	PS3
17	+30V
18	PS1

CONN 4

RDY	A	TP1
TP3	B	+5VR
RESET	C	
SYNC	D	Ø1
20V	E	Ø2
D0	F	D8
D7	H	D9
D6	J	D10
D5	K	D11
D4	L	D12
D3	M	D13
D2	N	D14
D1	P	D15
A1	R	A12
A0	S	A13
A10	T	A14
A9	U	A15
A11	V	A16

CONN 2

-5V	1
20V	2
+5VR	3
+12V	4
+30V	5
SP. GND.	6

CONN 3

K1	9
+30V	8
(MAIN CLUTCH) M.C.	7
(PAPER FEED) P.F.	6
(RED RIBBON) R.R.	5
+30V	4
	3
	2
20V	1

COMPONENT	W.L. PART NO.
R30-36	330-2082
R42-48	330-4015
R1, 3, 4, 7, 8, 9, 13, 18, 20, 21, 22, 23, 24, 27, 30, 33, 34	330-3047
R16,	330-2047
R6	332-3015
R2	330-2022
R37-41	330-3027
R15	330-4022
R12	300-5010
R11, 17	330-4022
R28	330-3068
R29	336-1007
R49	334-0020
R25, 26	330-4010
R51	330-2015
R52	332-3010
XTAL 17.1MHz	321-0018
C1	300-1069
C2	300-1930
C3, 16	300-4025
C4	300-5005
C5-11	300-4011
C12, 13	300-3052
C14	300-4005
C15	300-4014
C17-31	300-1900
C32-34	300-4022
D1-4, 6-13, 32	380-1001
D5	380-2051
D14-20	380-2063
D21-31	380-4003
Q1, 2	375-0017
Q3-9, Q11-14	375-1052
40 PIN SOCKET	376-9011
28 PIN SOCKET	376-9015
24 PIN SOCKET	376-9003
22 PIN SOCKET	376-9010
16 PIN SOCKET	376-9002
R19, 19	330-4012
R10	330-4047
Q10	375-1012

COMPONENT	W.L. PART NO.
J1	350-0092

ENGLISH	CYRILLIC	KATAKANA
378-2031 R1	378-2033 R1	378-2035-R1
378-2032 R1	378-2034 R1	378-2036-R1

LOCATION	TYPE	SPARES
L17	T4367	2
L26	T406	3
L27	T406	2
L30	T408	2
L32	T474	1

LOCATION	W.L. PART NO.	TERM. NO. -10V	TERM. NO. Vcc +5VR
L1, 2	376-0183	8	16
L3, 4	377-0308	8	22
L5, 6	377-0317	12	24
L7, 8, 9, 16, 17	376-0176	8	16
L9	377-0269	2	20
L10	377-0338	14	28
L11, 30	376-0081	7	14
L12	377-0337	8	16
L13	376-0180	7	14
L15, 25, 28, 29	376-0119	8	16
L18, 19, 20	376-0008	8	16
L21, 24	376-0104	8	16
L22, 32	376-0006	7	14
L23	376-0139	7	14
L26, 27	376-0055	7	14
L31	376-0074		

CABLE W.L. 220-0156

CABLE W.L. 220-1022

CABLE: W.L. 220-1100-6

CABLE FROM PRINTER HEAD

CABLE FROM 7091 BP W.L. 220-1021

7091 R3

DEC 07 1978

NOTES

1. ALL I.C. CHIPS ARE 7400 SERIES
2. RES Ω, CAP μF, OTHERWISE SPECIFIED.

DIVISION										
0	ORIGINATED PER ECO W-12-76	RP	12-76	RP	12-76	RP	12-76			
1	REVISED PER ECO W-12-78	RP	12-78	RP	12-78	RP	12-78			
2	REVISED PER ECO W-12-79	RP	12-79	RP	12-79	RP	12-79			
3	ADDED CNTR-1488 CHIP	RP	10-77	RP	10-77	RP	10-77			
4	REVISED PER ECO W-10-83	RP	10-83	RP	10-83	RP	10-83			
5	REVISED PER ECO W-12-83	RP	12-83	RP	12-83	RP	12-83			
6	ADDED 5μF 6.3V	RP	6-84	RP	6-84	RP	6-84			
7	ADDED 5μF 6.3V	RP	10-84	RP	10-84	RP	10-84			

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
DWG PART NO / FIRST USED ON / ASSY USED ON			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		DATE / APPROVED BY / DATE
				DWN BY	11-3-76 E ENGR F LEE 11-7-76
				CHK	11-16-76 M ENGR
				E C CONTROL	MFG ENGR
			MODEL NO. 2251	MATERIAL	TITLE SCHEMATIC LOGIBLOC VICTOR PRINTER CONTROL
			SEE DWING SPECIFICATIONS No.	FINISH	210-7091 E 7091 6
			TOL EX AS NOTED XX ± .015 FRAC ± 1/64 XXX ± .005 ANG. ± 1°30' FINISH	SCALE NONE SHT 1 OF 1	WANG PART NUMBER / SIZE / DRAWING NUMBER / REV.

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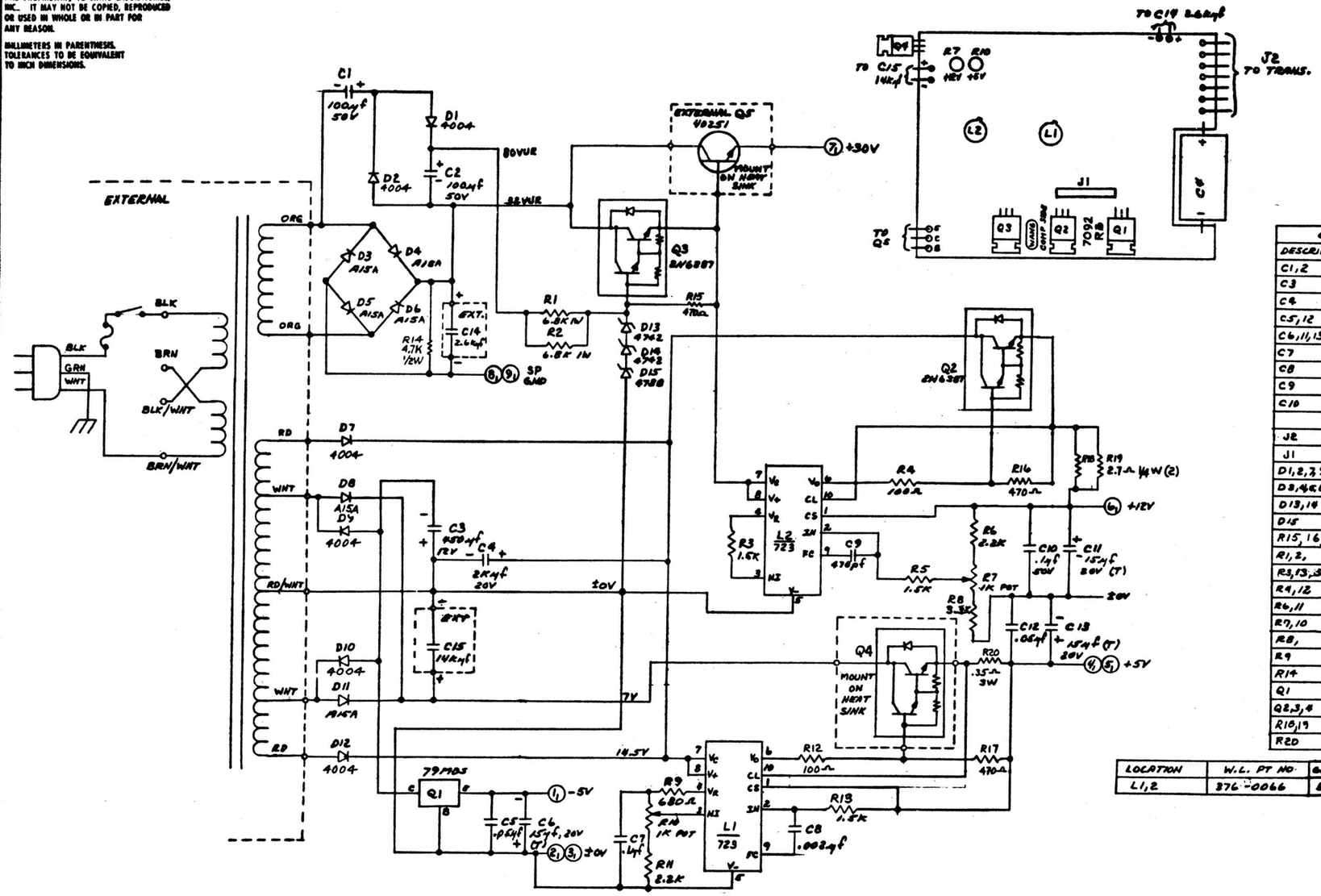
MILLIMETERS IN PARENTHESES.
TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.

DO NOT SCALE

HOLE LEGEND & TOLERANCES

HOLE DIA	TOLERANCE
.095 - .125	+ .003 - .001
.126 - .250	+ .004 - .001
.251 - .500	+ .005 - .001

SYM	DESCRIPTION	DTY.
A		



COMPONENTS	
DESCRIPTION	W.L. PART NO.
C1,2	300-3052
C3	300-3048
C4	300-3038
C5,12	300-1900
C6,11,13	300-4022
C7	300-1918
C8	300-1913
C9	300-1870
C10	300-1930
J2	220-1108
J1	226-3021
D1,2,7,9,10,12	380-4000
D3,4,5,6,8,11	380-3008
D13,14	380-2121
D15	380-3082
R15,16,17	330-2047
R1,2,	332-3068
R3,13,15	320-5015
R4,12	330-2010
R6,11	330-3022
R7,10	326-1001
R8,	330-3028
R9	336-2068
R14	331-3047
Q1	376-0002
Q2,3,4	376-1052
R18,19	330-0027
R20	334-0019

LOCATION	W.L. PT NO.	QNT
L1,2	376-0066	5

J1
-5V 1
2 0V
2 0V
+5V 4
+5V 5
+12V 6
+30V 7
SP GND 8
SP GND 9

DEC 07 1978

E-REV 4

NO.	REVISION	BY	DATE
0	DWG. ZERO	EBA	10-5-76
1	DWG. REV 0 PER ECN # 6190 RPR'D: [illegible] 10/31/77 APP'D: [illegible] 11/1/77		
2	REVISED PER ECN # 6493 ALT'D: [illegible] 2/3/77 APP'D: [illegible] 2/3/77	JB	2/3/77
3	REVISED PER ECN # 6539 APP'D: [illegible] 3-22-77	JB	3/22/77
4	REVISED PER ECN # 6656 APP'D: [illegible] 6-21-77	ZK	6-7-77
5	REVISED PER ECN # 7023 APP'D: [illegible] 8-22-77	ZK	6-7-77
6	REVISED PER ECN # 7033 APP'D: [illegible] 8-22-77	ZK	6-7-77
7	REVISED PER ECN # 7033 APP'D: [illegible] 8-22-77	ZK	6-7-77

QTY.	ITEM	WANG PART NO.	DRAWING NO.	DESCRIPTION
NEXT ASSY.				

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

BY	DATE	APPROVED BY	DATE
DWN EBA	10-5-76	E ENGR [illegible]	10/31/77
CHK [illegible]	10-26-76	M ENGR	
		MFG ENGR	

MATERIAL [illegible]

MODEL NO. 2251
SEE ENGRG SPECIFICATIONS No.

FINISH [illegible]

TOL. EX AS NOTED .XX ± FRAC. ± .XXX ± ANG ± FINISH √

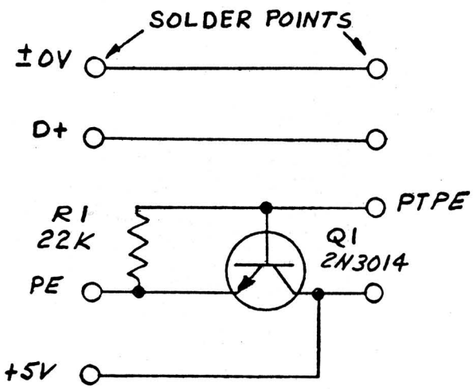
SCALE 2/1 SHT 1 OF 1

TITLE POWER SUPPLY REGULATOR

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
210-7092	D	7092	4

D 7092

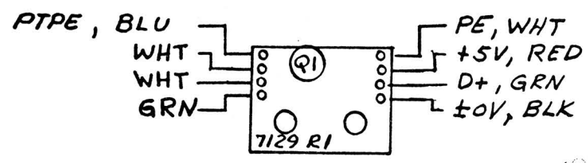
DO NOT SCALE



HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	+.003 −.001
	.126 to .250	+.004 −.001
	.251 to .500	+.005 −.001

IDENT.	DESCRIPTION	QTY
A		

COMPONT.	WL PT. NO.
Q1	375-0017
R1	330-4022



JAN 08 1979

E. REV.

O

NO.	REVISION	DATE	BY
0/0	ORIGINATED PER DWG#7304 APP'D: [illegible] 3-8-77	3-1-77	EBA
1/0	REVISED PER ECN#6899 APP'D: [illegible] 5/23/77	5-5-77	EBA

WANG PART NO.	ITEM	QTY.	NAME
Qty. Per Unit	FIRST USED ON	ASSY USED ON	

WANG LABORATORIES, INC.
TEWKSBURY, MASS. U. S. A.

MATERIAL	MODEL NO. 77 (226/40)
	SEE ENGRG SPECIFICATIONS No.
FINISH	TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 128 √
	SCALE [illegible] SHT 4 OF 5

MATERIAL	DESCRIPTION

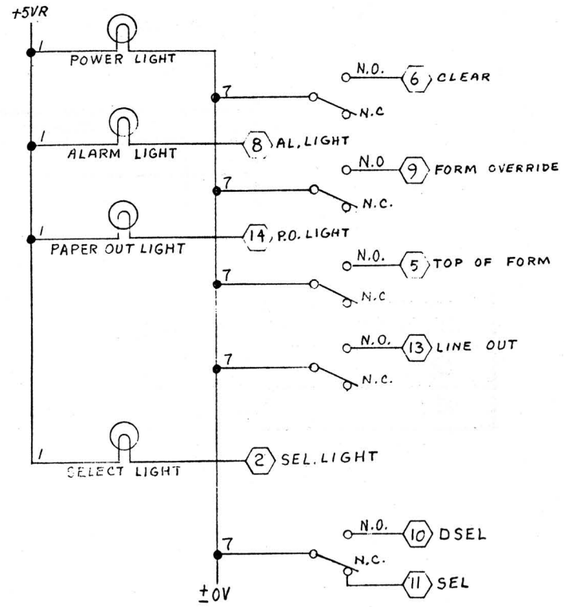
BY	DATE	APPROVED BY	DATE
DWN EBA	3-1-77	E ENGR P. Chow	3/8/77
CHK [illegible]	3-8-77	M ENGR	
E. C. CONTROL		MFG ENGR	

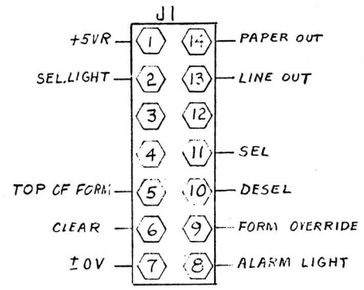
TITLE: OPTICAL SCANNER BD.

210-7129	B	7129	1
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.

B 7129

DO NOT SCALE

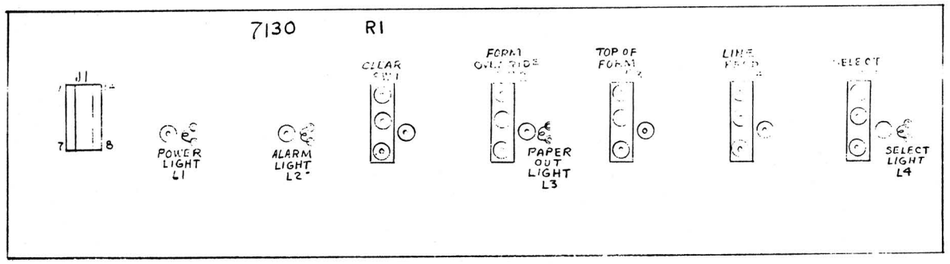




HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	+.003 −.001
	.126 to .250	+.004 −.001
	.251 to .500	+.005 −.001

IDENT.	DESCRIPTION	QTY.
A		

COMPONENT	W.L. PART NO
SW1 - SW5	325-2305
L1 - L4	370-0015
L1-L4 (HOLDER)	370-1020
J1	220-3027



JAN 08 1979

0

NO.	REVISION	DATE	BY
0	ORIGINATED PER DWR# E339 APP'D: 5/5/77		
1	REVISED PER ECN #6832 APP'D: 5/5/77		

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION

Qty. Per Unit	FIRST USED ON	ASSY USED ON

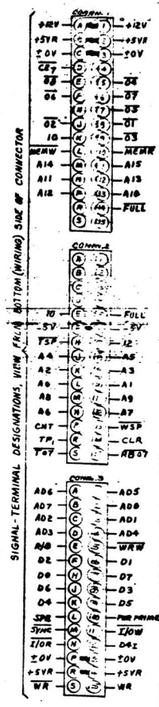
WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

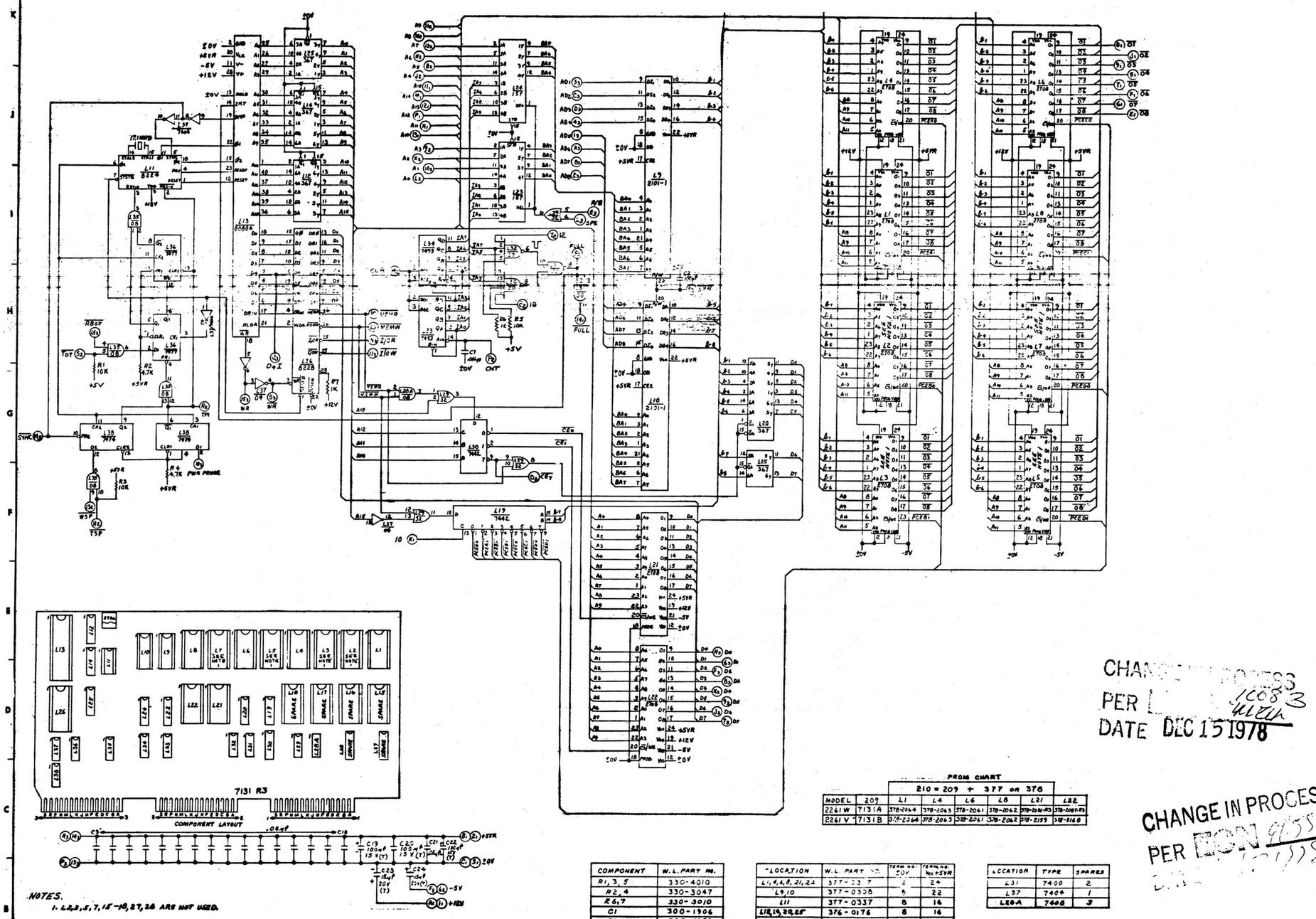
		BY	DATE	APPROVED BY	DATE
MATERIAL	MODEL NO. 77	DWN EK	5-3-77	E ENGR	5/5/77
	SEE ENGRG SPECIFICATIONS No.	CHK		M ENGR	
FINISH	TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 128 √	E. C. CONTROL		MFG ENGR	
SCALE	SHT 4 OF 5	TITLE: IOP CONTROL PANEL			
		210-7130	C	7130	1
		WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

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DO NOT SCALE

SIGNAL-TERMINAL DESIGNATIONS, VIEW FACING BOTTOM (WIRING) SIDE OF CONNECTOR





PROM CHART

		210 = 209 + 377 OR 378					
MODEL	209	L1	L4	L6	L8	L21	L22
2261W	7131A	378-2064	378-2063	378-2061	378-2062	378-2082-R3	378-2081-R3
2261V	7131B	378-2264	378-2063	378-2261	378-2062	378-2159	378-2160

COMPONENT	W.L. PART NO.
R1, 3, 5	330-4010
R2, 4	330-3047
R6,7	330-3010
C1	300-1906
C2	300-1100
C3-16, 21-	300-1900
C17, 20, 22	300-4021
C23, C24	300-4022
XTAL1	321-0018
L1,4,6,8,21,22	376-9003
L9,10	376-9010
L11	376-9006
L13	376-9011
L26	376-9015

LOCATION	W.L. PART NO.	TERM NO. TO 0V	TERM NO. TO +5VR
L1,4,6,8,21,22	377-0337	8	16
L9,10	377-0338	8	16
L11	377-0337	8	16
L15,19,26,25	376-0176	8	16
L13	377-0249	2	20
L17,L30	376-0008	8	16
L23,24	376-0082	8	16
L26	377-0338	14	28
L28A,25	376-0081	7	14
L29	376-0093	7	14
L31	376-0002	7	14
L32	376-0004	7	14
L33,34	376-0011	10	5
L36,38	376-0006	7	14
L37	376-0010	7	14

LOCATION	TYPE	SPARES
L31	7400	2
L37	7404	1
L28A	7408	3

CHANGE ADDRESS
PER [illegible] 10083
DATE DEC 15 1978

CHANGE IN PROCESS
PER ECN 6555, 6635
DATE [illegible]

JAN 08 1979

DIVISION	ZONE	DESCRIPTION	BY	DATE
A	10	ORIGINATED PER DWG # 210-7131 SHT 1 REV L	RK	4-25-77
	10	REVISED PER ECN 6332	RK	10-13-77
	10	REVISED PER ECN 6332 W.I.	RK	10-13-77
	10	REVISED PER ECN 7155 THRU 7158	RK	10-13-77
	10	REVISED PER ECN 7480	RK	11-15-77
	10	REVISED PER ECN 7555	RK	12-15-77
	10	REVISED PER ECN 7635	RK	1-8-78

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
QTY PER ASSY	FIRST USED ON	ASSY USED ON	WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		BY / DATE / APPROVED BY / DATE
				DWN RK	4-25-77 ENGR [illegible] 4/26/77
				CHK	M ENGR
			MODEL NO. MD 77	I.C. CONTROL	MFG ENGR
			SEE SHEET SPECIFICATIONS No.	TITLE LINE BUFFER, CHARACTER GENERATOR AND PROGRAM MEMORY	
			MATERIAL / FINISH	TOL. EX. AS NOTED .XX ± .010 .XXX ± .005 ANG. ± 1/2° FINISH	210-7131 / E / 7131 / 6
				SCALE SHT 1 OF 1	WANG PART NUMBER / SIZE / DRAWING NUMBER / REV

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DO NOT SCALE

COMPONENT	W.L. PART NO.
R1, 96	330 - 2018
R5,17, 20,52, 56,78, 80,92,94,108,118,116	330 - 4010
R3, 16,19,51, 55, 79, 81, 96,107, 62	330 - 1010
R4, 106,	330 - 2047
R6, 7	336-1018
R6	330 - 5027
R8	330-5048
R9	330 - 6016
R10	330-5040
R11	330-4033
R12	330-5033
R13, 14, 44, 83, 89, 90, 103, 87	330 - 4047
R15, 16	330 - 4023
R21,22,28,31,90,91, 95,92	330 - 4027
R47	330 - 2015
R84,86	336 - 1008
R25, 42	330 - 5016
R112, 38, 35, 109, 39, 93, 98, 70, 71, 72, 73, 97, 84, 85, 99, 91, 97, 100, 104, 105	330 - 3047
R30, 49	336 - 1020
R34,37,57,60,63,64	330 - 3022
R35, 36	330 - 5010
R23,82,88,77,102	330 - 2010
R43,26	330-5015
R61	330-2033
R99, 98	330 - 3022
R65,66	330 - 2039
R67	330 - 4056
R68,	330 - 4022
R74, 75	330 - 2068
R76, 77	332 - 1015
R58, 59, 110	330 - 6015
C15,17,18,19	300 - 1910
C3,4,23,27, 30	300 - 1100
C2,33	300 - 1150
C7	300 - 2215
C8,13	300 - 4010
C9,10,11,12,20,22, 24,25, 26,28, 29, 50,43,1,53,54	300 - 1904
C14,16, 21	300 - 1903
C35 - 45	300 - 1900
C46, 32, 55	300 - 4022
R69	330 - 3010
D1 - 13	380 - 1001
K1, 2	320 - 0047
C31	300 - 1082
Q1	375 - 1027
Q2,3,4,7,14	375 - 0017
Q5,6, 12,13	375 - 1026
Q8,9,10,11	375 - 1006
C54	300 - 1970
C46,47	300 - 3011
R86, 92	330 - 4018
C3,4	300 - 1330
R111	330 - 4033
C52	300 - 4012
C31	300-4008

LOCATION	W.L.PART NO.	TERM. NO. -10V	TERM. NO. Vcc +5VR
L1, 19	376-0081	7	14
L2,17	376-0025	7	14
L3,26	376-0055	7	14
L4	376-0003	11	4
L5,24	376-0010	7	14
L6	376-0126	1	8
L7,5A	376-0104	8	16
L8,9,14,23	376-0074	—	—
L10	376-0194	7	14
L11,20	376-0188	8	16
L12	376-0008	8	16
L13,18,25	376-0002	7	14
L14	376-0056	7	14
L15	376-0028	7	14
L21	376-0139	7	14
L22,27	376-0176	8	16

SPARES

LOCATION	TYPE	SPARES
L1	7408	3
L3	7406	1
L13	7400	1
L17	9334	2
L26	7406	4
L27	74367	4

HOLE LEGEND

	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE	.0135 to .135	± .002
	.136 to .250	± .003
	.251 to .500	± .005

REVT.	DESCRIPTION	QTY
A		

SIGNAL - TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTION

CONN. 1

+12VSW	A	1	RBSWL
+5VR	B	2	+5VR
-10V	C	3	-10V
PWR PRIME	D	4	
RBSWR	E	5	
10D+	F	6	
+V	H	7	
SPEAKER	J	8	12
10	K	9	12 PE
8 SW	L	10	10 PE
6 SW	M	11	FFM
WS10	N	12	WS12
12 SW	P	13	LFM
WOE	R	14	-12V SW
-20V	S	15	WS

CONN. 2

WOD	A	1	10 SW
WOB	B	2	3? PM
MOP	C	3	LFC
MF	D	4	MP LITE
R50+	E	5	F/R
-5VR	F	6	-5
MF2	H	7	MF1
SL	J	8	MOPM
FIRE E	K	9	C
FIRE O	L	10	a
d	M	11	PWR PRIME 1
MDB	N	12	TACH -
TACH+	P	13	WSP
FFD+	R	14	SL CMN
FFPE	S	15	SL LITE

CONN. 3

VTPE	A	1	VTD+
SLD NPE	B	2	SLDND+
ROZ	C	3	RPE
MEYER	D	4	LPE
SKTD+	E	5	SKTPE
D2	F	6	D1
D4	H	7	D7
D6	J	8	D3
D4	K	9	D5
RRBG	L	10	BELP
LSD+	M	11	PFB
LRBG	N	12	RS
-10V	P	13	-10V
+5VR	R	14	+5VR
LS	S	15	

COMP. SIDE — WIRING SIDE

7132 R4

COMPONENT LAYOUT

REV	DK	AR	CK	EE	DT	DT	DT	DT
DRAWN	10-17	4-5-77	5/11	5/17	7/7/78	7-7-78	10/10	11-8
REVISION	ORIGINATED PER ECN # 5445	REVISED PER ECN # 5463	REVISED PER ECN # 5470	REVISED PER ECN # 5481	REVISED PER ECO # 5631	REVISED PER ECO # 5644	REVISED PER ECO # 5694	REVISED PER ECO # 5715
	0	1	2	3	4	5	6	7

E-REV 7132-1: 0

E-REV 713L: 5

WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
DO NOT SCALE	FIRST USED ON	ASSY USED ON			

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL	MODEL NO. 2261W	DRWN	DK 4-24-77
	SEE DRAWING SPECIFICATIONS NO.	CHK	
FINISH	TOL. EX. AS NOTED .XX ± .010 FRAC ± 1/64 .XXX ± .005 ANG. ± 1°30'	E C CONTROL	
	SCALE n/c SHT 1 OF 1	MFG ENGR	
		M ENGR	

TITLE: OPTICAL SIGNAL, PAPER FEED & MOTOR CONTROL

APPROVED BY	DATE
E ENGR DK	

210-7132	E	7132
WANG PART NUMBER	SIZE	DRAWING NUMBER

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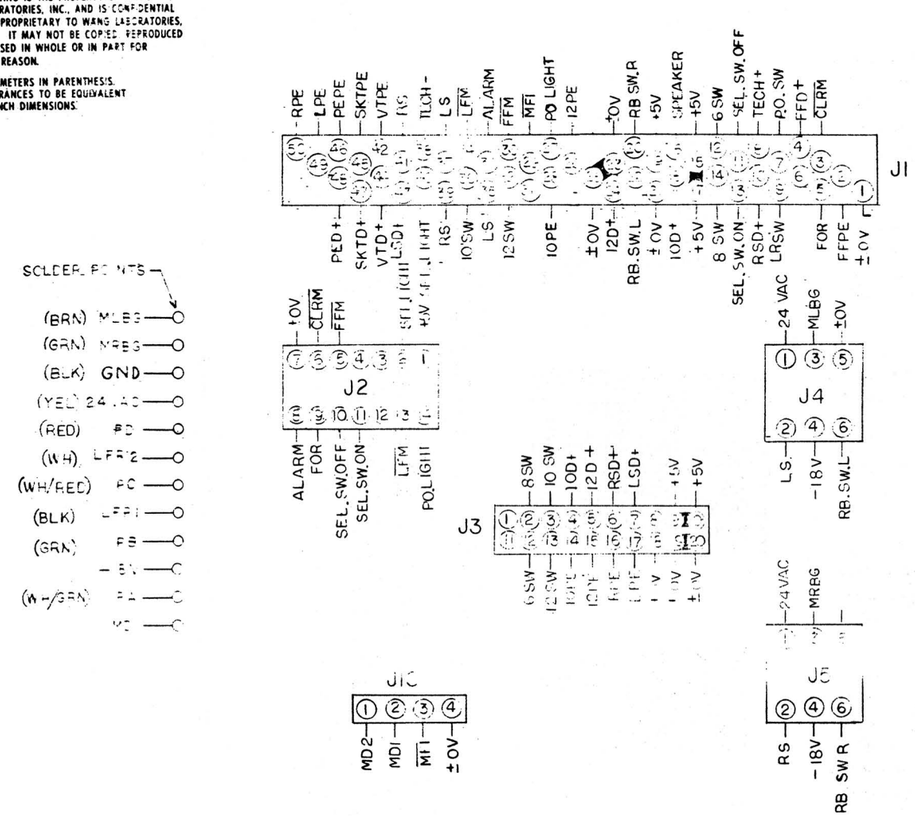
MILLIMETERS IN PARENTHESIS.
TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.

DO NOT SCALE

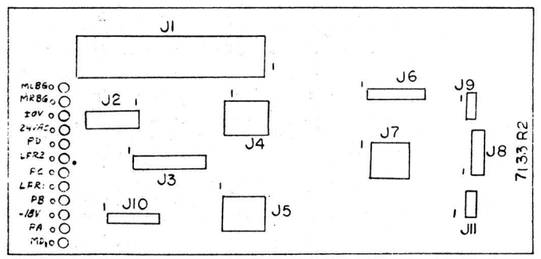
HOLE LEGEND & TOLERANCES

HOLE DIA	TOLERANCE
0135 - 125	+ .003 - .001
126 - 250	+ .004 - .001
251 - 500	+ .005 - .001

SYM.	DESCRIPTION	QTY.
A		



COMPONENTS	W.L. PT NO
J1	350-04058
J2	376-9012
J3	654-0108
J4,5,7	654-1186
J6,10	654-1194
J8	654-0113
J9,11	654-1198



E.REV 1

NO.	REVISION	BY	DATE
0	ORIGINATED PER DWR# ER-38 AND - RAPID	ERA	5-18-77
1	REVISED PER ENG# 6078	ERA	5-23-77
2	ECN# 7104	ERA	6-8-77

QTY.	ITEM	WANG PART NO.	DRAWING NO.	DESCRIPTION
NEXT ASSY.				

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	ERA	5-18-77	E ENGR	6-8-77
CHK	WJ	6-8-77	M ENGR	
			MFG ENGR	

MATERIAL

MODEL NO. 77
SEE ENGRG SPECIFICATIONS
No.

FINISH

TOL. EX. AS NOTED
.XX ± FRAC ±
.XXX ± ANG ± FINISH √

SCALE 3/4 SHT 4 OF 5

TITLE
INTERCONNECTION ACCESS BOARD

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
210-7133	D	7133	1

D 7133

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DO NOT SCALE

HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES	HOLE DIA.	TOL.
	.0135 to .125	±.002
	.126 to .250	±.003
	.251 to .500	±.005

IDENT.	DESCRIPTION	QTY
A		

COMPONENT	W.L. PART NO.
R1	330-4012
R2	336-1013
R3,4	330-4010
C1, 7, 8	300-1906
C2,3,4,5	300-1100
C6	300-4002
C9-19	300-1900
C20,21	300-3011

LOCATION	W.L. PART NO.	TERM. NO. ±0V	TERM. NO. V$_{cc}$ +5VR
L1	376-0011	10	5
L2,4,5A	376-0002	7	14
L3	376-0093	7	14
L5,7	376-0008	8	16
L6,8,15,28,29	376-0010	7	14
L9-16	376-0065	5	12
L17	376-0104	8	16
L18	376-0194	7	14
L20-23	376-0098	8	16
L24-27	376-0117	8	16
L30-38	376-0067	7	14
L58	376-0048	8	16

LOCATION	TYPE	SPARES
L4	7400	1
L6	7404	3
L5A	7440	2
L3	7438	1
L17	9602	1
L28	7404	2

CONN. 1

	A	1	
+5VR	B	2	+5VR
±0V	C	3	±0V
PWR PRIME	D	4	CLR
$\overline{D3}$	E	5	$\overline{D4}$
$\overline{D5}$	F	6	$\overline{D7}$
$\overline{D9}$	H	7	$\overline{D8}$
$\overline{D2}$	J	8	$\overline{D1}$
	K	9	$\overline{D3}$
$\overline{TCLR1}$	L	10	LDF
$\overline{TCLR2}$	M	11	A16
F/R	N	12	
	P	13	
S15	R	14	S11
S19	S	15	S13

CONN. 2

S25	A	1	S17
S23	B	2	$\overline{WO4}$
S29	C	3	S27
S33	D	4	S31
$\overline{T3P}$	E	5	S21
	F	6	
	H	7	S39
$\overline{FIRE E}$	J	8	S37
A2	K	9	A3
A0	L	10	A1
$\overline{FIRE O}$	M	11	EC
S35	N	12	S41
$\overline{WO3}$	P	13	
S47	R	14	S49
S43	S	15	S45

CONN. 3

S14	A	1	S18
S12	B	2	S14
S28	C	3	S26
S22	D	4	S24
$\overline{WO2}$	E	5	$\overline{WOF}$
$\overline{SPE}$	F	6	
	H	7	
S38	J	8	$\overline{WO6}$
S32	K	9	S36
S34	L	10	S48
S46	M	11	I/OW
S42	N	12	S44
±0V	P	13	±0V
+5VR	R	14	+5VR
S		15	WR

COMP SIDE — WIRING SIDE

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

COMPONENT LAYOUT

.05μf

C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 — C20 150μf (ELECT) — C21 100μf (ELECT) — +5VR, ±0V

REVISION	BY	DATE	APPROVED BY	DATE
0 ORIGINATED PER ECO 1-1511	AR	6-18-73		
1 REVISED PER ECN# 644	AR	6-21-73		
2 REVISED PER ECO# 1-1670	AR	10-1-73		
3 REVISED PER ECO# 1-1711	AR	10-19-73		

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL

FINISH

MODEL NO. MD77

SYS ENGRG SPECIFICATIONS No.

TOL. EX. AS NOTED .XX ± .010 FRAC ± 1/64 .XXX ± .005 ANGL ± 1/2 DEG

SCALE: 1/2 SHT 3 OF 5

BY	DATE	APPROVED BY	DATE
DWN AR	1-15-77	E ENGR	4/11/77
CHK		M ENGR	
E C CONTROL		MFG ENGR	

TITLE: 4 HEAD FIRING REGISTER

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
210-7134	E	7134	3

E-REV 7134-1 — E-REV 7134

E 7134

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MILLIMETERS ARE PARENTHESIS.
TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.

DO NOT SCALE

EXTERNAL

Q13 RCA8203A · Q12 2N6488 · Q11 2N6488 · Q10 2N6488 · Q9 2N6488 · Q8 RCA8203A · Q7 RCA8203A · Q6 2N6387 · Q5 2N6387 · Q4 2N6111 · Q3 2N6111 · Q2 2N6292 · Q1 2N6387

R4 220Ω · R3 680Ω ½W · R2 1K · R1 470Ω · R8 220Ω · R12 220Ω · R16 220Ω · R20 220Ω · R7,11,15,19 12.1K ¼W · R6,10,14,18 2.7K · R21 1K · R22 430Ω ½W · R27 430Ω ½W · R28 1K · R26 330Ω 5% ½W · R23 2.2K · R24 270Ω ¼W · R25 33Ω · C2 .02µF · C1 100µF 220Ω · R29 680Ω ½W · R30 330Ω · R31 330Ω · R32 1K · R33 470Ω · R34 2.7K · R35 2.3K · R36 100Ω · C3 .1µF · R37 1K · R38 1K · R39 33Ω · C4 .1µF · R40 2.7K · R41 2.3K · R68 478Ω 1% · 100µF ELEC.

2N3725 Q28 · 2N3467 Q27 Q26 Q25 Q24 Q23 Q22 · 2N3725 Q19 · 2N3467 Q20 · 2N3904 Q23 · 2N3725 Q16 · 2N3467 Q17 · 2N3725 Q21 · 2N3904 Q30 · 2N3467 Q18

D1 1N4719 · D2 1N4719 · D3 1N4719 · D4 1N3253 · D5 1N3253 · D6 1N3253 · D7 1N3253 · D8 5% · D9 5% · D10 5% · D11 5% · D12 1N758A · D13 1N758A · D14 5% · D15 5% · D16 1N948 · D17 5% · D18 5% · D19 5% · D20 1N948 · D21 1N4738

R67 .075Ω 2W · R68 47Ω · R69 220Ω · R66 4.6K · Q31 2N3014

R42 4.7K · R43 2.2K · R44 4.7K · R45 4.7K · R46 2.2K · R47 280Ω · R48 470Ω · R49 150Ω · R50 10K · R51 180Ω · R52 15K · R53 2.2K · R54 1.8K · R55 12K · R56 1.8K · R57 180Ω 1W · R58 2.2K · R59 2.2K · R60 1.5K · R61 100Ω 1W · R62 2.2K · R63 2.2K · R64 1.2K · R65 2.2K

LED 1

12 CS 723 · 723 11

+5VR1 · +5VBR · +5VR · +12V · +20V · +12VR5W · -12V · -12VSW · ±0V LOGIC · +40V · -20V · +12VSW · ±0V · +9V · ±0VPF · MDB · MD · PFB · +20VTR · PF9 · PF20 · TP2 · TP3 · -5V · MF1 · MF2 · MF3 · MF4 · MF5 · MF6 · MF7 · MF8 · MF9 · MF10 · MF11 · MF12 · MF13 · MF14 · MF15 · MF16 · MF17 · MF18 · MF19 · MF20 ·

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DO NOT SCALE

HOLE LEGEND

	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES	.0135 to .133	±.002
	.136 to .256	±.003
	.261 to .500	±.005

IDENT.	DESCRIPTION	QTY.
A		

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

CONN.1

+5VR	A1	+5VR
±0V	B1	±0V
PWR PRIME	C1	CLR
PO	D1	SW SL ON
SW SL OFF	E1	REC
WOF	F1	PWR PRIME 1
IP	H1	SW OFF
MEMW	J1	TP
P0 SW	K1	PERM STORAGE
CLRM	L1	±0V
RCCLR	M1	SL/R
WOE	N1	SL

CONN.2

WOD	A2	WOC
WOB	B2	WOA
WOY	C2	CE1
DATA 8	D2	DSTB
DATA 4	E2	FULL
PO LIGHT	F2	DATA7
RQ1	H2	ROE
SL	J2	TP5
A2	K2	A3
A0	L2	A1
TP2	M2	SC
TP3	N2	TP6
CNT	P2	MP
F/R	R2	DATA1
DATA6	S2	RBOT

CONN.3

AD6	A3	AD5
AD7	B3	AD8
AD2	C3	AD1
AD3	D3	AD4
R/B	E3	WRW
D2	F3	D1
D0	H3	D7
D1	K3	D3
D4	L3	D5
DATA 3	M3	DATA 5
DATA 2	N3	PWR PRIME 2
I/OR	P3	I/OW
D01	R3	D41
±0V	S3	±0V
+5VR	T3	+5VR
AR	U3	DATA 9

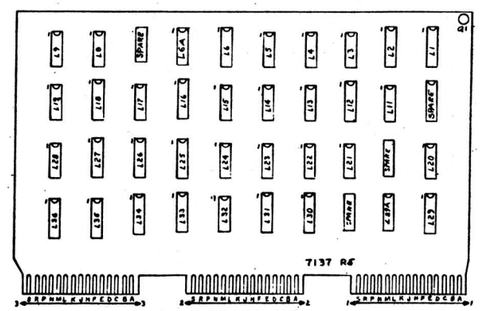
COMP. SIDE — WIRING SIDE

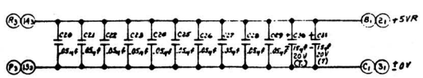
COMPONENT	W.L. PART NO.
R19, 20	330-2067
R21,24,26,27,29, 31,33,36,39,40, 44,46-49,51,52	330-4010
R22	330-4056
R23,30,41,42,45,53	330-3047
R25,50	330-1010
R11-18, R28	330-3010
R43	330-6015
D1,3,4,5	380-1001
Q1	375-0017
Q1	375-9004
C1, C20-29	300-1900
C2,3,8,10-13,15,	300-1926
C4	300-4018
C5	300-4000
C6	300-1910
C7, 16, 17	300-1330
C9, 14, 15	300-1906
C34	300-1912
C19	300-4014
C30, 31	300-4022
C32, 33	300-1100

LOCATION	W.L. PART NO.	TERM. NO. +0V	TERM. NO. Vcc+5VR
L1, 2, 21, 29	376-0104	6	16
L3	376-0055	7	14
L4, 9, 14, 19, 28	376-0010	7	14
L5, 6A, 20	376-0002	7	14
L6, 33	376-0188	8	16
L8	376-0004	7	14
L11	376-0025	7	14
L12	376-0007	13	5
L13, 24	376-0093	7	14
L15, 17	376-0003	7	14
L16, 25, 30, 31	376-0008	8	16
L18	376-0876	8	16
L22, 23A	376-0081	7	14
L23	376-0146	7	4
L26, 27	376-0092	8	16
L32	376-0125	7	14
L34, 35, 36	376-0176	8	16

NOTE: L7&10 NOT USED

LOCATION	TYPE	SPARES
L3	7406	3
L6A	7400	1
L11	9935	3
L13	7432	2
L15	7410	1
L21	9602	1
L22	7408	1
L23	9932	1





JAN 08 1979

REVISION	BY	DATE	APPROVED BY	DATE
ORIGINATED PER ECN# 6-2-77				
REVISED PER ECN# 6-22-77				
REVISED PER ECN# 6-30-77				
REVISED PER ECN# 6-30-77				
REVISED PER ECN# 7-11-77				
REVISED PER ECN# 7-11-77				
REVISED PER ECN# 7-11-77				
REVISED PER ECN# 7-11-77				
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REVISED PER ECN# 7-11-77				
REVISED PER ECN# 7-11-77				
REVISED PER ECN# 7-11-77				

WANG PART NO	ITEM	QTY	NAME
SYS. PART	FIRST USED ON	ASSY USED ON	WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL — MODEL NO 2261W — SEE SHOPS SPECIFICATIONS No.

FINISH — TOL. EX. AS NOTED XX ± .010 FRAC ± 1/64 .XXX ± .005 ANG ± 0°30' FINISH

MATERIAL	DESCRIPTION

BY	DATE	APPROVED BY	DATE
DWN	6-2-77	E ENGR	7-31-77
CHK	6-14-77	M ENGR	
E C CONTROL		MFG ENGR	

TITLE: 8080A I/O INTERFACE

SCALE: Full — SHT 1 OF 1

WANG PART NUMBER: 210-7137 — SIZE: E — DRAWING NUMBER: 7137 — REV: 12

7137 7137-1 3 2

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HOLE LEGEND

SYMBOL OR PUNCHED HOLE TOLERANCE	HOLE DIA	TOL
	.249 to .199	±.005
	.198 to .052	±.003
	.051 to .020	±.002

IDENT	DESCRIPTION	QTY.
A		

SIGNAL TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (SOLDER) SIDE OF CONNECTOR

CONN. 1

$\overline{PR}$	A 1	2	SPLICE
$\overline{PRS}$	B 2	3	OD_9
OD_8	C 3	4	ID_8
	D 4	5	ID_9
$\overline{PRIME}$	E 5	6	ID_A
OD_A	F 6	7	ID_B
OD_1	H 7	8	ID_C
ID_0	J 8	9	$\overline{DSTB}$
ID_1	K 9	10	OD_{NL}
ID_2	L 10	11	OD_{BR}
ID_3	M 11	12	OD_{BW}
OD_3	N 12	13	$\overline{PWS}$
$\overline{RS}$	P 13	14	$\overline{CRS}$
$\overline{PFR}$	R 14	15	$\overline{CH}$
TOF	S 15	16	$\overline{PO}$
$\overline{CO}$	T 16	17	$\overline{OR}$
$\overline{RO}$	U 17	18	+5V
OD_B	V 18	19	+5V
OD_7	W 19	20	READY/BUSY
OD_6	X 20	21	$\overline{ACK}$
OD_5	Y 21	22	

CONN. 2

+5V	A 1	1	+5V
+5VR	B 2	2	+5VR
$\overline{PWR}$	C 3	3	$\overline{CRR}$
OUT OF PAPER	D 4	4	$\overline{RL}$
PITCH	E 5	5	$\overline{RS}$
SEL LAMP	F 6	6	SPARE
SEL	H 7	7	$\overline{SEL}$
	J 8	8	$\overline{FL}$
	K 9	9	
	L 10	10	
	M 11	11	
	N 12	12	
	P 13	13	
+12V	R 14	14	+12V
	S 15	15	

CONN. 3

	A 1	1	
	B 2	2	
SELECT	C 3	3	
	D 4	4	
FAULT	E 5	5	
	F 6	6	
	H 7	7	
	J 8	8	
	K 9	9	
	L 10	10	
	M 11	11	
	N 12	12	
	P 13	13	
	R 14	14	
	S 15	15	

CONN. 4

	A 1	1	
	B 2	2	
±5V	C 3	3	2 or
+5V	D 4	4	
	E 5	5	
	F 6	6	
	H 7	7	
	J 8	8	
	K 9	9	
	L 10	10	
	M 11	11	
	N 12	12	
	P 13	13	
	R 14	14	
-5V	S 15	15	-5V
+5VR	T (R2)	16	+5VR
±0V	U 17	17	20V
COMP. SIDE	V 18	18	WIRING SIDE

E-REV 3

COMPONENT LAYOUT 7143

COMPONENT	W.L. PART NO.
RL3	010
R2,4,5,7,26-28,34-42	330-3047
R6, 8-16	330-2033
R17-25	330-2022
R30	330-4015
R43-R50	330-3016
C1	300-4017
C2	300-4016
C3	300-1068
C4-10, 26	300-1930
C11	300-1870
C12, 23, 24, 25	300-4022
C13-22	300-1900
CABLE ASSY	220-1147
Q1	355-0011
CABLE ASSY	220-1196
XTAL 19.1 MHz	321-0018
L42, 8, 9 22 PIN SOCKET	326-9010
L41, 44 28 PIN SOCKET	326-9007
L19 40 PIN SOCKET	326-9011
L17 28 PIN SOCKET	326-9015
L01 16 PIN SOCKET	326-9002

LOCATION	W.L. PART NO.	PIN NO. ±0V	PIN NO. +5VR
L1, 4, 5, 13, 22, 24	376-0192	8	16
L2	376-0193	8	16
L3, 23	376-0104	8	16
L6, 7, 8, 9	SEE CHART	8	22
L10	SEE CHART	12	24
L12, 35, 36	376-0008	8	16
L19	SEE CHART	2	20
L15	SEE CHART	14	28
L16, 17	376-0183	8	16
L18, 21, 26, 27	376-0177	8	16
L20	376-0139	7	16
L31, 33, 34, 37	376-0006	7	16
L28	376-0119	8	16
L29, 39	376-0055	7	16
L30, 32	376-0002	7	16
L38	376-0180	7	16
L39	376-0010	7	16
L40	376-0081	7	16
L01	SEE CHART	8	16
L11	SEE CHART	12	24

SEC. TYPE	LOCATION	SPARE
7400	L30	2
7404	L39	3
74LS04	L38	4
7406	L34	1
7416	L20	3
7474	L32	1
79368	L2	2
74LS367	L22	2
9602	L3	1
	L23	1

PROM CHART

210 = 209 + 377 OR 378

MODEL	210	L10	L11	L6-4	L14	L15	L01
2231 DISPLAY WRITER	7143-B	370-2134	370-2138				
2281D	7143-A	378-2070R2	378-2649R2	377-0308	377-0264	377-0338	377-0337
2281 SWITCH SELECTABLE	7143-C	378-2[illegible]	378-2234R2	377-0308	377-0264	377-0338	377-0337
	7143-D	378-[illegible]	378-2[illegible]R2	377-0308	377-0264	377-0238	377-0337

| REVISIONS | | | |

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6756

EXTERNAL

MMC 5474-3

115/230 VAC 50/60 Hz

1.5A SB (250V)

CABLING SW 126 201T

LINE FILTER 410-2005

6749 115/230V SW C.W.C.R. 1125

RECEPTACLE 628-0034

BLK, BRN, BLK/WHT

BLU, BLU/WHT, BLU/BLK, RED, RED/WHT, RED, VIO, VIO/WHT, VIO/BLK

D1 IN4719, D2 IN4719, D3 IN4719, D4 IN4719, D5 IN4719, D6 IN4719, D7 IN4719, D8 EM403, D10 IN4719, D11 IN4719

R1 2.2K 1/2W

C1 14K 12V, C2 12K 25V, C3 2348 60V, C4 12K 25V, C5 2348 60V

+18V, ±0V, -17V, +32V, -32V, +9V, LOGIC ±0V

TEST JUMPER, POWER(A), POWER(B), SPEAKER, FAN

J4

J3 J5

7157 R4

6756 3RD 2ND 1ST

7077 2ND 1ST

6760/7060

6761

J2 J4 J1

VIO/BLK, VIOLET, VIO/WHT, BLU/WHT, RED/WHT, RED, BLU, BLU/BLK

NOTE #1: ALL TEST JUMPERS TO BE #24 GAUGE BUSS WIRE.

J3 J5

DSTB DT1 DT2 DT3 DT4 DT5 DT6 DT7 DT8 ACKIG BUSY PO SL CLK 10V CH.GND +5VA RESET FAULT ±0V RETURN

CH.GND +5VE ±0VE SEL +5VE SEL CD SL DSP ±0VE PE SA

P.S. REG

CONN.3 +32V +32V 20V POWER(B) SI8 SI1 SI0

CONN.2 S9 S8 S6 S4 S2 Y0 X0 -17V -12V -12V +12V

CONN.1 +18V +18V M Y Y8 X X8 20V POWER(A) ±0V +5VA +9V

USED FOR 926 KEY BOARD INTERFACE

CONN.2 +5VE SEL +5VE SL +12V -12V

CONN.1 DSTB DT4 DT7 DT1 DT3 DT2 DT5 +5VE DT8 DT6 CD SA BUSY

DATA STORE CONN.3 ±0V +5VA DSTB DT1 DT2 DT5 DT4 DT3 DT6 DT7 DT8 BUSY ACKIG RESET SFG

CONN.2 S9 S8 S7 S6 S5 S4 S3 S2 S1 SCE SCO POP -12V FS9 +12V

CONN.1 LFCR SLT1 RETURN RMS PO-LI PO CC CF BB CLK SL SIO SI SIL ±0V TP

FORMAT CNTL CONN.3 IOV +5VR FFS VTD VTS FFD SW0 SW1 SW2 FFM CO LFM AL ARO b7

CONN.2 SCO FRMT CLK FSE SL FSO G2 FAULT G1 A2 ARE MS CLK Y0 MPA1 MA MPB2 ARO A1 -12V BL +12V

CONN.1 LF SLT2 CO IWS FOR SL-LI CLEAR TP TP TP TP TP TP TP TP TP

J2 +5VR +5VR FFS VTD FFD IOV SW0 SW2 SW3 SW1 RMS CO CO Y Y8 X8 X

J4 DB SPEAKER FAN

J1 IOV SLT1 SLT2 +5VR FFS PO-LI FFM M MPB2 MPB1 MPA2 MPA1 -12V BL +12V

D9 R6 270Ω 1W TEST JUMPER

CHASSIS MTD. ±0V 2.5A 250V SLO-BLO

WHT/BLK, IB WHT, VIO/WHT, BLK/WHT, RED/WHT, RED, BLU, BLU/BLK FA

C5 D6 C4 D5 C3 D4 C2 D3 C1 D2 D1

HOLE LEGEND

	HOLE DIA	TOL
DRILLED OR PUNCHED HOLE TOLERANCES	0126 to 125	± .005
	126 to 250	± .010
	251 to 500	± .015

IDENT	DESCRIPTION	QTY
A		

COMPONENT	W. L. PART NO
R1, 2, 3, 4, 5	331-3022
C1	300-3045
C2, 4	300-3076
C3, 5	300-3074
D1-7, 9, 10, 11	380-3002
CONN. 20 PIN	350-0041
CONN. 36 PIN	350-1044
DB	380-4000
J4 (2 PIN)	654-1198
R6	332-2027

REV	REVISION	E.S.S.	EBA	EBA	W.H.	B.F.	J.P.	B.F.
0	ORIGINATED PER ECN # 2196 APP'D [illegible]	1-6-76	9-30-76	11-8-76	N.M.C.	2-16-77	10-21-77	6-19-78
1	REVISED PER ECN # 2247 RFA 2288 APP'D [illegible]	1/0						
2	REVISED PER ECN # 2276 APP'D [illegible]	2/0						
3	REVISED PER ECN # 4438 APP'D [illegible]	3/0						
4	REVISED PER ECN # 7329 APP'D [illegible]	4/0						
5	REVISED PER ECN # 7554 APP'D [illegible]	5/0						
6	REVISED PER ECN # 7704 APP'D [illegible]	6/0						
7	REVISED PER ECN # 8193 APP'D [illegible]	7/0						

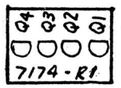
DEC 07 1978

E-REV 0

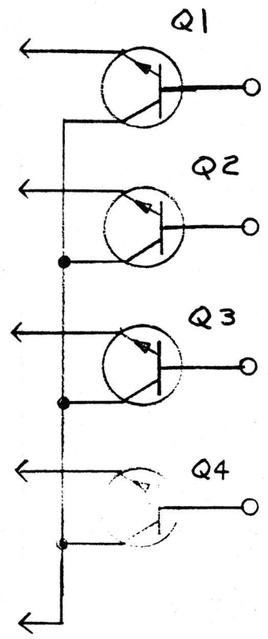
WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
Qty. Per Unit / First Used On / Assy Used On			WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.	BY / DATE	APPROVED BY / DATE
				DWN F. [illegible]	E ENGR [illegible] 11/13/78
				CHK G.Z. 10-16-78	M ENGR
			MATERIAL MODEL NO 2200 IW 1.25 SEE ENGRG SPECIFICATIONS No.	E C CONTROL	MFG ENGR
				TITLE SCHEMATIC MOTHER BOARD	
			FINISH TOL EX AS NOTED XX ± 010 FRAC ± 1/64 XXX ± 005 ANG ± 1°30' FINISH 125	SCALE / SHT 4 OF 5	210-7157 / D / 7157 / 7
					WANG PART NUMBER / SIZE / DRAWING NUMBER / REV

DO NOT SCALE

ASSM.	COMP	PT. NO.
210-7174	Q1, 2, 3, 4	375-2014
210-7174-3	Q1, 2, 4	375-2014
210-7174-2	Q1, 2	375-2014



MODEL NO. 77	MODEL NO. 72	MODEL NO. 61, 62
P.C. BOARD 210-7174	P.C. BOARD 210-7174-3	P.C. BOARD 210-7174-2
HARNESS	HARNESS 270-3053	HARNESS 270-3062
SIGNAL NAME & WIRE COLOR		
FFPE YELLOW	FFPE YELLOW	FFS YELLOW
VTPE BLUE	VTPE BLUE	VTS BLUE
PEPE GRAY	PEPE GRAY	NOT USED Q3 NOT LOADED
SKTPE BROWN	NOT USED Q4 NOT LOADED	NOT USED Q4 NOT LOADED
+5 VOLTS RED	+5 VOLTS RED	+5 VOLTS RED



CHANNEL 7
TOP OF FORM

CHANNEL 5
VERTICAL TAB

CHANNEL 2
END OF DOCUMENT

CHANNEL

HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	+.003 −.001
	.126 to .250	+.004 −.001
	.251 to .500	+.005 −.001

IDENT.	DESCRIPTION	QTY.
A		

JAN 08 1979

E. REV. 0

BY	EBA	FSS
DATE	4-13-77	2-27-78
REVISION	ORIGINATED PER DWR#E303 APP'D: 5/17/77	REVISED PER ECN#8006 APP'D: 3-3-78
NO.	0	1/0

WANG PART NO.	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION

Qty. Per Unit	FIRST USED ON	ASSY USED ON

WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.

MATERIAL

FINISH

MODEL NO. 77 (2161W)

SEE ENGRG SPECIFICATIONS No.

TOL. EX. AS NOTED
.XX ± .010 FRAC. ± 1/64
.XXX ± .005 ANG. ± 1°30' FINISH 128 √

SCALE 2/1 SHT 1 OF 1

BY	DATE	APPROVED BY	DATE
DWN EBA	4-13-77	E ENGR	5/1/77
CHK		M ENGR	
E. C. CONTROL		MFG ENGR	

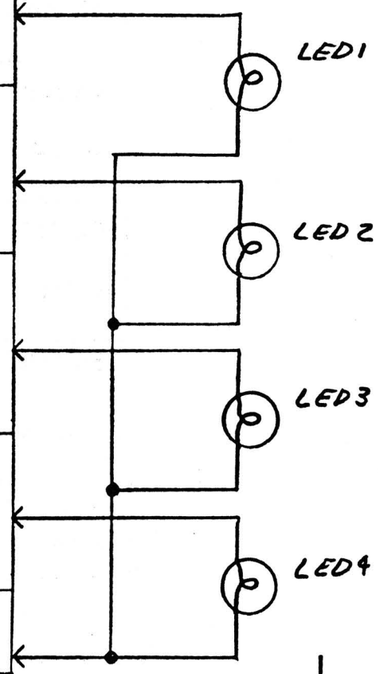
TITLE: PHOTO TRANSISTOR BD

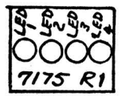
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
210-7174	B	7174	1

DO NOT SCALE

BD NO.	COMP	W.L. PT NO
210-7175	LED 1,2,3,4	380-0104
210-7175-3	LED 1,2,4	380-0104
210-7175-2	LED 1,2	380-0104

MODEL 77	MODEL 72	MODEL 61, 62
P.C. BOARD 210-7175	P.C. BOARD 210-7175-3	PC BOARD 210-7175-2
HARNESS	HARNESS 270-3053	HARNESS 270-3062
SIGNAL NAME & WIRE COLOR		
FFD+ VIOLET	FFD+ VIOLET	FFD VIOLET
VTD+ ORANGE	VTD+ ORANGE	VTD ORANGE
PED+ GREEN	PED+ GREEN	NOT LOADED
SKT D+ WHITE/RED	NOT LOADED	NOT LOADED
±0V BLACK	±0V BLACK	±0V BLACK





HOLE LEGEND

	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	+.003 −.001
	.126 to .250	+.004 −.001
	.251 to .500	+.005 −.001

IDENT.	DESCRIPTION	QTY.
A		

JAN 08 1979

O

B 7175

NO.	REVISION	BY	DATE
0	ORIGINATED PER DWR #E302 APP'D KW	EBA	4-20-77 F.S.S. 5/1/77
1	REVISED: PER ECN #8946 APP'D. KW		3-3-78

WANG PART NO.	ITEM	QTY.	NAME	Qty. Per Unit	FIRST USED ON	ASSY USED ON

WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.

MATERIAL

FINISH

MODEL NO. 2221W

SEE ENGRG SPECIFICATIONS No.

TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 128 √

SCALE | SHT 1 OF 1

MATERIAL	DESCRIPTION

	BY	DATE	APPROVED BY	DATE
DWN	EBA	4-15-77	E ENGR	5/2/77
CHK			M ENGR	
E. C. CONTROL			MFG ENGR	

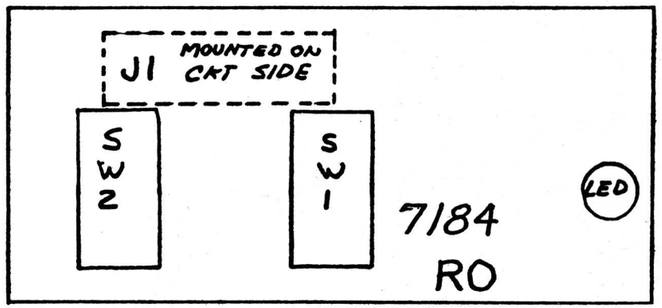
TITLE: LED BOARD

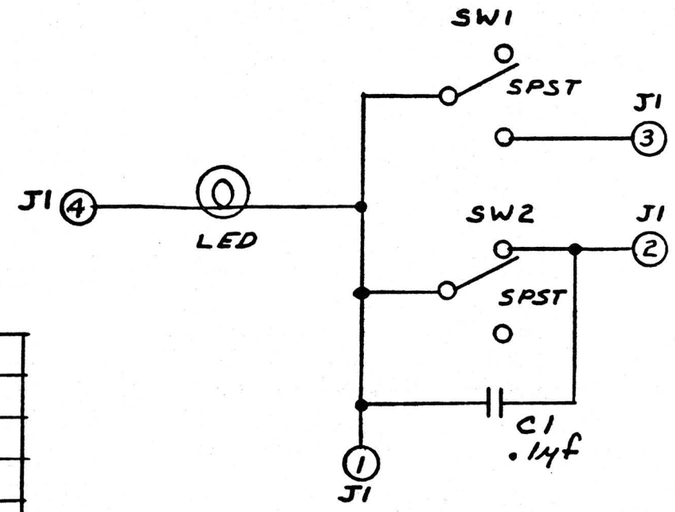
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
210-7175	B	7175	1

DO NOT SCALE

HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	+.003 −.001
	.126 to .250	+.004 −.001
	.251 to .500	+.005 −.001

IDENT.	DESCRIPTION	QTY.
A		





COMPONENTS LIST	
LED	370-0026
J1	654-1194
C1	300-1930
SW1,2	325-0031

DEC 07 1978

E-REV 0

BY	EBA
DATE	11-12-76
REVISION	DRAWN PER DWG #E243 APP'D: D.L. 11/22/76
NO.	0

WANG PART NO.	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION

Qty. Per Unit	FIRST USED ON	ASSY USED ON

WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.

MATERIAL

FINISH

MODEL NO. 2251

SEE ENGRG SPECIFICATIONS No.

TOL. EX. AS NOTED
.XX ± .010 FRAC. ± 1/64
.XXX ± .005 ANG. ± 1°30' FINISH 128 √

SCALE FL | SHT 4 OF 5

BY	DATE	APPROVED BY	DATE
DWN EBA	11-12-76	E ENGR	
CHK [illegible]	11/22/76	M ENGR	
E. C. CONTROL		MFG ENGR D.L.	11/22/76

TITLE: FRONT PANEL SWITCH BD

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
210-7184	B	7184	0

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DO NOT SCALE

EXTERNAL

115 VAC DISK #3

115 VAC DISK #1

SWITCH 115/220

115/220 VAC

MMC 5121

J2 16PIN CONN

12 PIN CONN.

LOOSE DISCONNECT

MOUNTED ON HEAT SINK

10 MHZ. XTAL

2200 CONN P1 J1

2200 CONN P1 J1

TO FRONT PANEL D6482-66

TO FRONT PANEL D6482-66

ENTABLE

DB#3

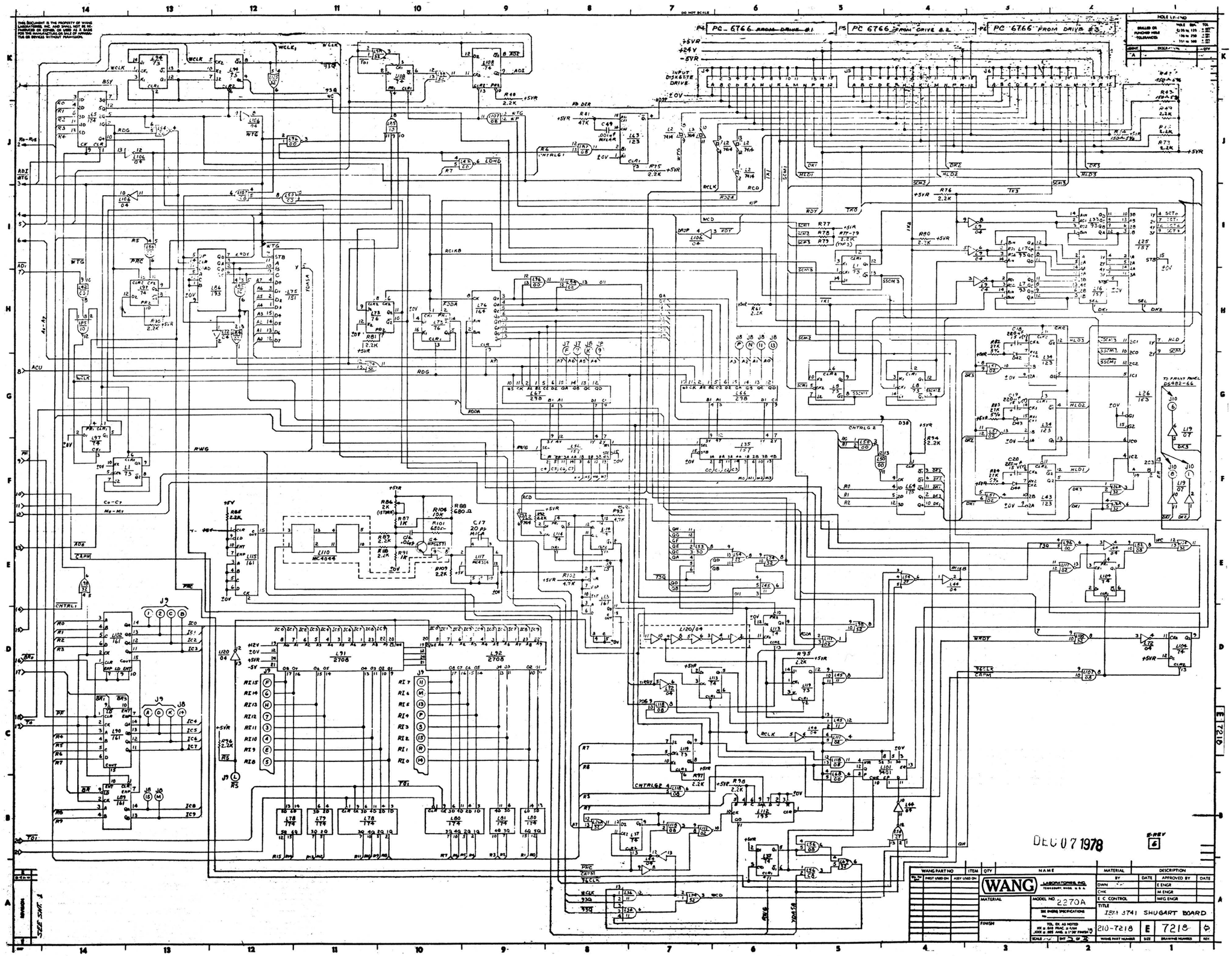
CNTRL2

CNTRLG2

DEC 07 1978

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		
MATERIAL			MODEL NO. 2270A	BY	DATE / APPROVED BY / DATE
			SEE SHEET SPECIFICATIONS No.	DWN	
FINISH			TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°-30' FINISH	CHK	E ENGR
			SCALE	E C CONTROL	MFG ENGR
			SHT OF	TITLE: CPU 3741 SHUGART BOARD	
			WANG PART NUMBER	209-7218	E 7218

REVISION	BY	DATE	APPROVED
0	ORIGINATED PER ECN# 2677		
1	REVISED PER ECN# 2677		
2	REVISED PER ECN# 3213		
3	REVISED PER ECN# 3213		
4	REVISED PER ECN# 3213		
5	REVISED PER ECN# 3213		


P4 PC-6766 FROM DRIVE #1
P5 PC 6766 FROM DRIVE #2
P6 PC 6766 FROM DRIVE #3
+5VR
+24V
-5VR
INPUT DISKETTE DRIVE
WCLK
WTG
RDG
RDI
WTG
ACU
CAPM
RWG
RCKB
RCDA
RCD
WCD
WRDY
RCLK
WCLR
CNTRLS
CNTRL1
CNTRL2
L91 2708
L92 2708
L120/04
L121/02
L122/32
L123/123
L124/73
L125/157
L126/163
L127/02
L128/00
L129/08
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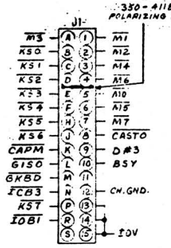
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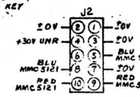
DO NOT SCALE

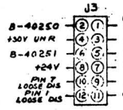
HOLE LEGEND

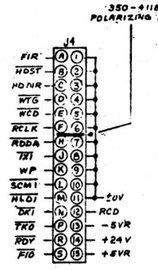
SYMBOL	HOLE DIA.	TOL
	.0135 to .175	±.002
	.190 to .890	±.003
	.891 to .500	±.005

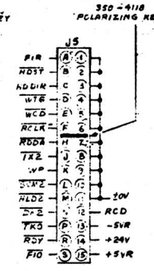
SYMBOL	DESCRIPTION	QTY
K		

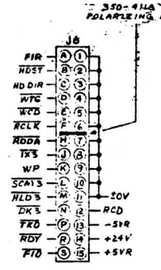


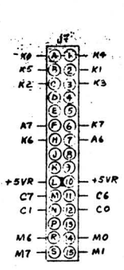


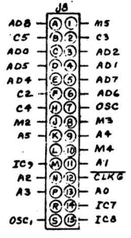


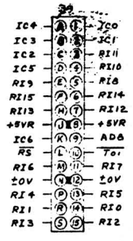


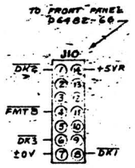


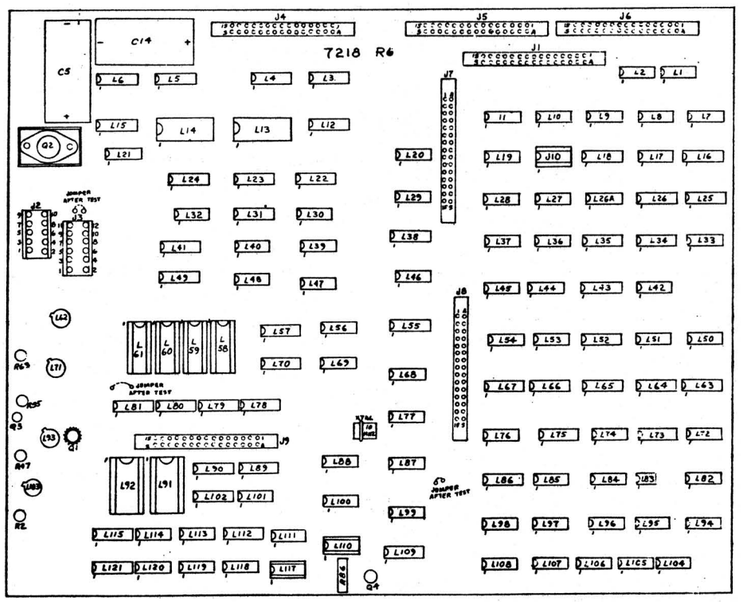


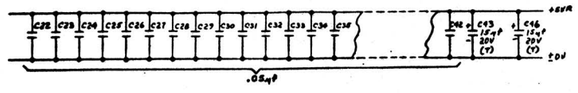












LOCATION	W.L. PART NO.	TERM. NO. -5V.	TERM. NO. +5VR
L1, 8, 94, 113	376-0055	11	4
L9-11, 26, 30-44, 72, 87, 106, 120	376-0010	7	14
L3, 46, 67, 6	376-0138	8	16
L4, 5, 12, 15, 26	376-0048	8	16
L7, 17, 35	376-0011	10	5
L13, 14	376-0099	12	24
L16, 22-25, 35, 52	376-0082	8	16
L18, 65, 78, 79, 80, 81	376-0098	8	16
L19	376-0056	7	14
L21	376-0025	7	14
L27, 28	376-0028	7	14
L29, 42, 90, 50, 68, 96	376-0002	7	14
L31, 38	376-0096	8	16
L32	376-0012	7	14
L34, 43, 63	376-0080	8	16
L36, 45	376-0194	7	14
L37, 97, 104, 108, 113, 114	376-0006	7	14
L39, 56, 62, 99, 107, 118	376-0081	7	14
L26A, 40, 63, 74, 98, 100, 105	376-0093	7	14
L41, 49	376-0049	8	16
L46, 51, 64, 111	376-0016	7	14
L47, 85	376-0003	7	14
L53	376-0031	7	14
L54	376-0125	7	14
L55, 73, 109	376-0007	13	5
L57, 70, 86	376-0053	8	16
L58, 59, 60, 61	377-0308	6	24
L62, 71, 93, 103	376-0066	—	—
L66	376-0119	8	16
L75	376-0047	8	16
L77	376-0073	10	5
L76, 88	376-0102	7	14
L83	376-0126	1	8
L89, 90, 102, 115, 121	376-0094	8	16
L91, 92	SEE CHART	12	24
L101	376-0250	7	14
L110	SEE CHART	7	14
L112	376-0097	8	16
L117	SEE CHART	7	14
L2	376-0139	7	14
L95	376-0180	7	14
L116 NOT USED			

LOCATION	TYPE	SPARES
L19	7407	1
L26A	7432	1
L29	7400	1
L36	7411	1
L98	7400	1
L56	7408	2
L63	74123	1
L72	7404	3
L76	7432	1
L82	7408	1
L95	74LS04	1
L96	7400	1
L107	7408	1
L109	7476	1

COMPONENT	W.L. PART NO.
R1, 99	330-3033
R2, 47, 55, 63	336-1014
R3, 4, 6-13, 20-34, 36, 40, 44, 45, 48, 49, 52, 54-56, 61, 66-69, 72, 73, 75-84, 87, 89, 90, 92, 94-98, 109-111	330-3022
R5, 37, 38, 105	330-4027
R20	330-5010
R21	330-6016
R23, 35, 107	330-2047
R39	330-2027
R41	330-4047
L101, 88	330-2068
R44	330-2033
R45, 103	330-3382
R46, 48, 50	330-3027
R51, 51	331-0016
R52, 53, 93, 102, 112, 106	330-3047
R54	330-2056
R56	330-3015
R62, 69	330-3018
R64	330-2018
R70, 71	330-2322
R86	336-3634
R87, 91	330-3010
R108	331-1039
C1	300-1220
C2, 49	300-2010
C3, 10, 16	300-1903
C4, 7	300-1907
C5	300-3055
C6, 15, 43, 46, 50	300-4022
C8	300-3011
C9, 22-42	300-1900
C11, 45, 47	300-1904
C12	300-1906
C13	300-1010
C14	300-3054
R104	330-4010
C17	300-5018
C18-20	300-4045
C21	300-1100
C44	300-2068
XTAL	321-0008
D1-3, 42-44, 46	380-1001
D32	380-2091
D33, 34	380-3308
D35, 36, 39, 40	380-4000
D37	380-2051
D38, 45	380-0000
D41	380-2062
Q1	375-1027
Q2	375-1031
Q3	375-1006
Q4	375-1061
J2	654-1172
J3	654-1188
J10 14 PIN SOCKET	376-9012
24 PIN SOCKET	376-9003
22 PIN SOCKET	376-9010
J1, 4-9	350-0011
C48	300-1913
R45, 93, 76	330-2016
R82-84	330-9028
L110, 117	376-9001

VARIATION CHART

MODEL	210	L110	L117	L91	L92
2270 A	7218-A	376-0263	376-0264	378-2128	378-2129
2270 MVP	7218-B	376-0263	376-0264	378-2138	378-2139

DEC 07 1978

WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
PREF USED ON	ASSY USED ON		WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		BY / DATE / APPROVED BY / DATE
			MATERIAL	MODEL NO. 2270A	DWN / E ENGR
				SEE SHEET SPECIFICATIONS	CHK / M ENGR
			FINISH		E C CONTROL / MFG ENGR
					TITLE: IBM 3741 SHUGART BOARD
				SCALE: — SHT 2 OF 2	210-7218 / E / 7218 / D
					WANG PART NUMBER / SIZE / DRAWING NUMBER / REV.

SEE SHT 1

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DO NOT SCALE

F/R (S2) · +12VSW (A1) · SL LITE (S1) · SL CMN (M2) · MDB (N2) · TACH+ (P2) · TAC (L2) · FREE (K2) · WSP (R2) · FIRE 0 (L1) · RSWR (E1) · RSWL (I1)

LPE (A3) · RPE (B3) · RSD+ (E2) · MOPM (B2) · SL (J2) · MOP (C2) · STPM (Z2) · PWR PRIME (D1) · 10 (K1) · 10SW (I2) · 12 (B1) · 12SW (P1) · 10PE (I1) · -5V (F2) · 10D+ (F1) · +V (H1) · RPE (S1) · LSD+ (M3)

BK1 (IC1) · BK2 (IC9) · BK3 (IB9) · BK5 (IC1) · BK2 (ID10) · BK3 (ID10) · BKA (IB2) · SL (IE3)(ID3)(IG7) · PWR PRIME (ID4) · SL (1F10) · LFD (IB1) · PWR PRIME (IE9) · LFD (ID3)

WS10 (N1) · WS (I5) · WS12 (I2) · BSW (L1) · GSW (M1) · WOB (B2) · PWR PRIME (I4) · BELP (J3) · MF1 (T2) · MF2 (H2) · MF LITE (A2) · MF (D2) · SPEAKER (J1) · LFM (23) · WOE (R1) · FFM (I1) · FFPE (S2) · VTPE (A5) · SLD MPE (B3) · SKT PE (S3) · FFD (I1) · LFC (32) · FFD+ (C2) · VTD+ (I3) · SLDND+ (23) · SKTD+ (F3) · LS (S3) · RS (I2) · RRBG (L3) · METER (2B) · D0 (H3) · D1 (G3) · D2 (F3) · D3 (E3) · D4 (K3) · D5 (J3) · D6 (L3) · D7 (F3) · ROE (C3)

R1 12K · R2 12K · R3 180Ω · R4 10K · R114 10Ω · C1 .02µf · C11 100pf · C12 100pf · R5 470Ω · R6 1MEG · R7 270K · R8 1MEG · R25 33K · R26 47K · C2 150pf · R10 470K 5% · C3 .02µf · R9 2.2K · C4 470pf · R12 1.5M 5% · R11 390K 5% · R110 330K · C5 .15µf MYLAR · C6 .02µf · R27 47K · R28 22K 5% · R35 22K 5% · D1 · D2 · K1 · K2 · D3 · L17 9933 · D4 · D5 · C17 330pf · C18 330pf · L2 9933 (TYP.6) · L3 06 (TYP4) · R37 10K · R38 10Ω · C13 .02µf · C14 .02µf · R41 10Ω · R45 10K · R39 10K · C15 .02µf · C16 .02µf · R51 10Ω · R52 10K · R53 10Ω · C26 100pf · R46 27K · R47 27K · C23 .01µf · C24 .0047µf · C25 .0047µf · R50 150K · R111 10K · R57 150K · R48 100Ω · R49 100K · R60 47K · R61 220Ω · R62 27K · R63 5K · R64 4.7K · R65 4.7K · R66 100K · Q4 2N3014 · R58 2.2K · R67 27K · R68 27K · R69 27K · C30 .01µf · C31 .0047µf · C32 .0047µf · R81 150K · R112 10K · R82 150K · R70 150Ω · R80 100K · R83 47K · R100 220Ω · R101 27K · R102 5K · R103 27K · R84 4.7K · R104 4.7K · R105 100K · Q7 2N3014 · R85 SEE CHART · R113 100Ω · R86 10K · C33 .02µf · R106 10K · C34 .02µf · D9 · L17 9933 · L26 06 · R71 56K · R72 22K · C27 .01µf · R73 330Ω · Q1 2N3725 · R87 1K · R107 10Ω · R44 10Ω · R40 10K · C19 .02µf · C20 100pf · R54 10K · C21 .02µf · R109 10Ω · R55 47K · R56 4.7K · D11 · C22 .02µf · R59 SEE CHART · Q8 2N5833 · R74 47K · R75 4.7K · D12 · C28 .02µf · R76 SEE CHART · Q9 2N5833 · R79 47K · R88 4.7K · D13 · C35 .02µf · R89 4.7K · Q10 2N5833 · C37 100pf · R92 47K · R91 SEE CHART · D14 · C36 .02µf · R99 4.7K · Q11 2N5833 · R93 470Ω · R94 10K · R17 4.7K · R18 1.5M · C9 .56µf(KY) · Q3 2N3014 · R13 10Ω · R14 10K · C7 .02µf · C8 .02µf · R15 10Ω · R16 10K · TP1 · R19 2.2K · C10 .56µf(KY) · Q2 2N3014 · R29 4.7K · R30 1.5M · R108 2.2K · R20 390Ω · R21 4.7K · R22 4.7K · R24 390Ω · Q12 2N3467 · Q13 2N3467 · D10 · A32 · R31 2.2K · R34 4.7K · R36 4.7K · R42 2.2K · R33 68Ω · Q6 2N3467 · Q5 2N3467 · R43 68Ω · R23 · D8 · -28V · +5VR · +5V · +12V · -12V · ±0V

L1 14 · L2 25 00 · L3 13 00 · L4 73 · L5 04 · L6 555 · L7 9602 · L8 741 · L9 741 · L10 11 · L11 279 · L12 42 · L13 00 · L14 07 · L15 03 · L16 741 · L17 9933 · L18 00 · L19 08 · L20 279 · L21 14 · L22 367 · L23 741 · L24 04 · L25 00 · L26 06 · L27 367 · L5A 9602

Q14 2N3014 · C29 .33µf · R90 4.7K · TP2 · R95 100Ω · R96 100Ω · R97 100Ω · R98 100Ω

JAN 08 1979

WANG LABORATORIES, INC. LOWELL, MASS. U.S.A.	BY	DATE	APPROVED BY	DATE
	DWN	5-9-78	E ENGR	
	CHK		M ENGR	
			MFG ENGR	
MATERIAL	MODEL NO. 2261V		TITLE: OPTICAL SIGNAL PAPER FEED & MOTOR CONTROL	
	SEE ENGRG SPECIFICATIONS			
FINISH	TOL ES AS NOTED		210-7232	D	7232	1
	SCALE	SHT 1 OF 2	WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

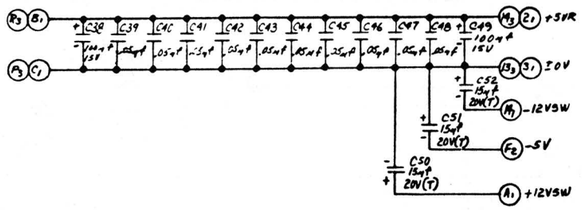
REVISIONS · NO. · BY · DATE

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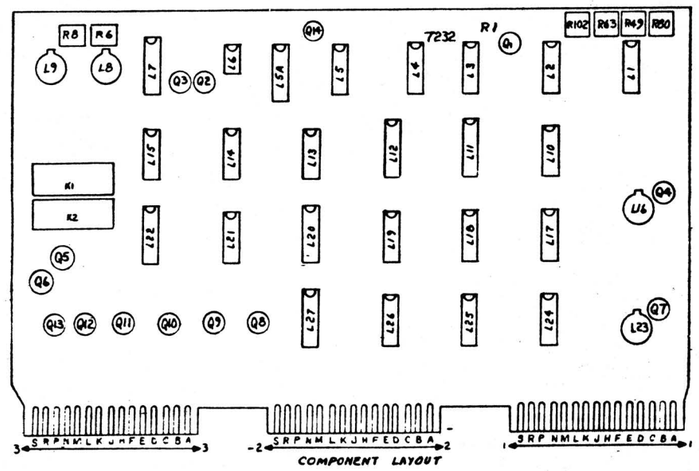
DO NOT SCALE

LOCATION	TYPE	SPARES
L1	T408	3
L3	T406	1
L11	T4279	1
L5A	9602	1
L13	T400	1
L17	9935	4
L19	T408	1
L26	T406	4
L27	T4367	4

LOCATION	W.L. PART NO.	TYPE
L1,19	376-0081	T408
L2,17	376-0025	9935
L3,26	376-0055	T406
L4	376-0005	T473
L5,24	376-0010	T404
L5A,7	376-0104	9602
L8,9,16,23	376-0074	T41
L10	376-0194	T411
L11,20	376-0188	T4279
L12	376-0008	T442
L13,18,25	376-0002	T400
L14	376-0056	T407
L15	376-0028	T403
L21	376-0139	T414
L22,27	376-0176	T4367
L6	376-0126	555



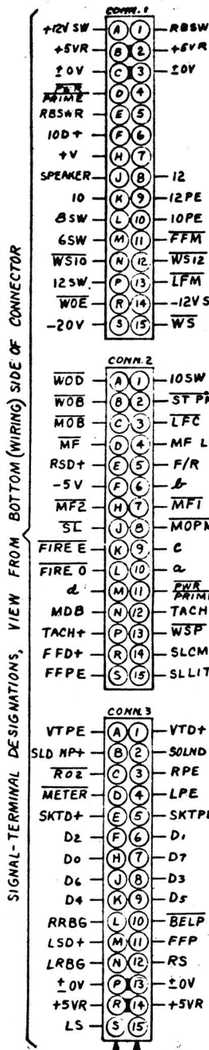
MODEL	210	R57,76,85,91
2261 V	7232	330-3047
2261 WC	7232-1	330-4027



COMPONENT LAYOUT

COMPONENT	W.L. PART NO.	TYPE
R1,2	330-4012	12K 10%
R3,113	330-2018	180Ω 10%
R4,14,16,37,39,40,45,52,54,86,94,106,111,112	330-4010	10K 10%
R5,93	330-2047	470Ω 10%
R6,8	336-1018	1MEG POT
R7	330-5027	270K 10%
R9,19,31,42,58,108	330-3022	2.2K 10%
R10	330-5048	470K 5%
R11	330-5040	390K 5%
R12	330-6016	1.5MEG 5%
R41,109,114,13,15,38,44,51,53,107	330-1010	10Ω 10%
R17,21,22,29,34,36,64,65,77,84,90,104,56,95,88,89,99	330-3047	4.7K 10%
R20,24	330-2039	390Ω 10%
R23,32	332-1015	15Ω 1W 10%
R25	330-4033	33K 10%
R26,27,55,60,74,79,83,92	330-4047	47K 10%
R28,35	330-4023	22K 5%
R72	330-4022	22K 10%
R33,43	330-2068	680Ω 10%
R46,47,62,67,68,69,101,103	330-4027	27K 10%
R48, 95-98	330-2010	100Ω 10%
R50,57,81,82	330-5015	150K 10%
R61,100	330-2022	220Ω 10%
R63,102	336-1020	5K POT
R66,105	330-5010	100K 10%
R70	330-2015	150Ω 10%
R71	330-4056	56K 10%
R73	330-2033	330Ω 10%
R87	330-3010	1K 10%
C1,3,7,8,13,14,15,16,19,21,22,28,33,34,35,36	300-1904	.02μf 25V
C2	300-1150	150pf 500V
C4	300-1470	470pf 500V
C5	300-2215	.15μf MYLAR 100V
C6	300-1082	82pf 500V
C9,10	300-4010	.56μf 35V
C11,12,20,26,37	300-1100	100pf 500V
C17,18	300-1330	33Cpf 500V
C23,27,30	300-1903	.01μf 25V
C24,25,31,32	300-1910	.0047μf 500V
C29	300-4008	.33μf 35V
Q1	375-1027	2N3725
Q2,3,4,7,14	375-0017	2N3014
Q5,6,12,13	375-1026	2N3467
Q8,9,10,11	375-1006	2N5833
C38,49	300-3011	100μf 15V
D1-14	380-1001	D035 SIL.
K1,2	320-0047	12V REED RELAY
C39-48	300-1900	.05μf 12V
C50-52	300-4022	15μf 20V TANT
R18,30,78	330-6015	1.5M 10%
R49,80	336-1019	100K POT
R110	330-5033	330K 10%

MNEMONICS	COORDINATES
a	1A7
b	1A7
BELP	1A7
c	1A7
d	1A7
D0-D7	1E1
FFD+	1A2
FFM	1A5
FFPE	1A4
FIRE E	1G5
FIRE O	1G4
F/R	1G9
LFC	1A2
LFM	1A5
LPE	1G11
LRBG	1E1
LS	1G1
MDB	1G5
METER	1E1
MF	1A6
MF1	1A7
MF2	1A6
MF LITE	1A6
MOP	1F11
MOPM	1F11
PFB	1A2
PWR PRIME	1E11
PWR PRIME1	1A8
RBSW L	1G4
RBSW R	1G4
ROZ	1D1
RPE	1F11
RRBG	1F1
RS	1F1
RSD+	1F11
SKTD+	1A1
SKT PE	1A4
ST	1F11
SLCMN	1G6
SLD ND+	1A1
SLD NPE	1A4
SL LITE	1G6
SPEAKER	1A5
ST PM	1E11
TACH-	1G5
TACH+	1G5
VTD+	1A1
VTPE	1A4
WOB	1A8
WOD	1A3
WOE	1A5
WS	1A10
WSP	1G5
WS10	1A10
WS12	1A9
6SW	1A8
8SW	1A9
10	1E11
10D+	1D11
10PE	1C11
10SW	1E11
12	1D11
12PE	1B11
-12SW	1D11



SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

JAN 08 1979

E-REV 2

D 7232

REVISION	BY	DATE	APPROVED
0 ORIGINATED PER DWR W0135	ER	6-4-78	
1/0 REVISED PER ECN# 8075	ER	6-20-78	
1/1 REVISED PER ECN# 8135	ER	7-21-78	
1/2 REVISED PER ECN# 8149	ER	8-24-78	
1/3 REVISED PER ECN# 8188	AP	9-27-78	

WANG LABORATORIES, INC. LOWELL, MASS. U.S.A.	BY	DATE	APPROVED BY	DATE
	DWN G.P.	5-4-78	E ENGR B. Chen	7/21/78
	CHK G.D.	7-21-78	M ENGR	
			MFG ENGR	
MATERIAL	MODEL NO. 2261V	TITLE OPTICAL SIGNAL PAPER FEED & MOTOR CONTROL		
	SEE ENGRG. SPECIFICATIONS No.			
FINISH	TOL ES AS NOTED .XX ± .XXX ± FRAC ± ANG ± FINISH √	210-7232	D	7232 4
	SCALE NONE SHT 2 OF 2	WANG PART NUMBER	SIZE	DRAWING NUMBER REV

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DO NOT SCALE

MD04 (18S) — M9/03 — MD06 (18S) — M9/03 — M1-M8 (1A9)

L2 2102 … L24 2102 — C1 … C18 .1μf — Vcc — R/W GND — I1 … I9 (2B5)

A0 (L2) A1 (I02) A2 (K2) A3 (92) A4 (J2) A5 (82) A6 (N2) A7 (I2) A8 (M2) A9 (I1E) A10 (I3) A11 (N1) A12 (P1) A13 (I2) A14 (M1) A15 (I1)

A0-A15

MD01 (18S) — L1 2708 — CS/WE, PROG, Vss, VDD, VBB, Vcc — D0-D7 M1-M8

MD02 (18S) — L14 2708 — CS/WE, PROG, Vss, VDD, VBB, Vcc — D0-D7 M1-M8

MD00 (18S) — L15 2708 — CS/WE, PROG, Vss, VDD, VBB, Vcc — D0-D7 M1-M8

M1-M8 (1G1)(2E9)

+0V GND 2 — +5VR Vcc 20 — -5V VBB 11 — +12V VDD 28 — +0V HOLD 13 — SYNC (2F11) SYNC 19 — +0V INT 14 — INTE 16

L50 8080A

Ø1 (2E10) Ø1 22 — Ø2 (2E10) Ø2 5 — RDY (2E10) READY 23 — RST (2E10) RESET 12 — WAIT 24 — AR 18

L49 04 — L49 04 — L49 04

DB IN 17 — HLDA 21 — STB (2E10) — WR 3 — +12V R1 1K — L58 8228

MEMR (1A6) — BK2 (1D2) — SFT (1E3) — L57 367 — L98 367 — L39 367

DO-D7 (2E8)

MEMR (2ET) — MEMW (1E8)

RF (1C5) — RD (1C6) — L49 04 — L41 04 — L26 93 — L38 32 — L38 32

L12 42 — L11 08 … L25 08 — W1 … W9

L37 42 — RB RC RE RF — R9 (2E9) — RA (2E9) — RD (1E7) — RF (2D10)(1E7)

L53 42 — L44 42 — MD00 (1E11) — MD01 (1D11) — MD02 (1B11) — MD04 (1G6) — MD06 (1G1)

RB RC RE RF DSTB (2A11) — L36 279 — L27 04 — L32 00

SFT (1D8)(2D11) — P2 OSTB — BK2 (1D8) — S1 — S2

WR (S3) — D4I (H3) — D0 (C3) — D1 (F3) — D2 (B3) — D3 (K3) — D4 (93) — D5 (J3) — D6 (T3) — D7 (11) — I/OW (L1) — MEMW (N3) — I/OR (10) — MEMR — CLR (H8)

JAN 08 1979

WANG LABORATORIES, INC. LOWELL, MASS. U.S.A.	BY	DATE	APPROVED BY	DATE
	DWN EK		E ENGR	
	CHK		M ENGR	
MATERIAL	MODEL NO 2261W		MFG ENGR	
	SEE ENGRG SPECIFICATIONS	TITLE 4-HEAD CHINESE PRINTER CONTROLLER		
FINISH	TOL EX AS NOTED .XX ± FRAC ± .XXX ± ANG ± FINISH √	210-7239A	D	7239	2
	SCALE .5 SHT 1 OF 5	WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

D 7239

REVISION NO.

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DO NOT SCALE

SYNC (M3) PWR PRIME (M9) TPI (R2)

SYNC (2E11) BK5 (2E11) BK3 (2E11)

TSP (H2) WSP (I2) TOT (S2) RBOT (I2)

+5VR R2 10K R3 2.2K R4 3.3K +20V R5 10K

L40 08 L29 74 L28 74 L27 04 L13 8224 L38 32 L149 04 L147 07 L156 07 L141 04 L32 00 L31 00 L30 00

SYNC (1D9) SYNC (2G10) BK5 (2F9) BK3 (2E9) RST (1C9) RDY (1C9) STB (1B8) Ø2 (1C9) Ø1 (1C9) 17.1MHZ

RF (1C5) SFT (2E3) DSTB (2B10) R9 (1C6) RA (1C6) DSTB (1E1) DSTB (1C4) R1 DSTB

MEMR (1A7) M1-M8 (1A9) D0-D7 (1A8) L34 367 L33 367 L35 367 L34 367

L55 195 L54 195 L46 157 L45 157 142 04 L41 04

R6 R7 R8 R9 R10 R11 R12 R13 R14 1K

DATA1 (A2) DATA2 (B2) DATA3 (C2) DATA4 (D2) DATA5 (I2) DATA6 (2C) DATA7 (3C) DATA8 (4C)

X0 X1 X2 X3 X4 X5 X6 X7 I1-I9 (1E1)

L51 157 L52 157 +10V

B1 01 J1 02 P1 03 S1 04 T1 05 F1 06 G1 07 E1 08

JAN 08 1979

WANG LABORATORIES, INC. LOWELL, MASS. U.S.A.	BY	DATE	APPROVED BY	DATE
	DWN C.K	4-27-78	E ENGR	
	CHK		M ENGR	
			MFG ENGR	
MATERIAL	MODEL NO 2261W SEE ENGRG SPECIFICATIONS No.		TITLE 4-HEAD CHINESE PRINTER CONTROLLER	
FINISH	TOL ER AS NOTED .XX ± .XXX ± FRAC ± ANG ± FINISH √ SCALE 1/2 SHT 2 OF 3	210-7239A WANG PART NUMBER	D SIZE	7239 DRAWING NUMBER	2 REV

D 7239

REVISION NO.

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DO NOT SCALE

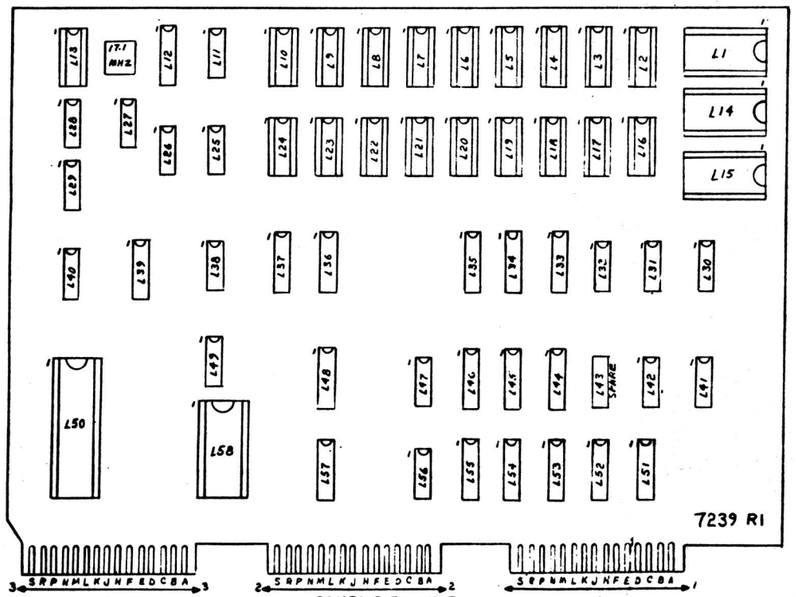
COMPONENT	W.L. PART NO.	TYPE
R1, 6-14	330-3010	1K ¼W 10%
R2, 5	330-4010	10K ¼W 10%
R3	330-3022	2.2K ¼W 10%
R4	330-3033	3.3K ¼W 10%
C1,3,5,7,9,11,13,15,17	300-1930	.1μF 50V MiFOIL
C2,4,6,8,10,12,14,16,18	300-1931	1μF 50V MiFOIL
C19-37	300-1900	.05μF 12V
C38,39,40,41	300-4022	15μF 20V TANT.
XTAL	321-0018	17.1 MHZ
L1, 14, 15	376-9003	24 PIN SOCKET
L2-10,13, 16-24	376-9002	16 PIN SOCKET
L50	376-9011	40 PIN SOCKET
L58	376-9015	28 PIN SOCKET

LOCATION	W.L. PART NO.	TYPE
L1, 14, 15	SEE CHART	2708
L2-10, 16-24	377-0069	2102
L11, 25, 40	376-0081	7408
L12, 37, 44, 53	376-0008	7442
L13	377-0337	8224
L26	376-0011	7493
L27, 41, 42, 49	376-0010	7404
L28, 29	376-0006	7474
L30, 31, 32	376-0002	7400
L33, 34, 35, 39, 48, 57	376-0176	74367
L36	376-0188	74279
L38	376-0093	7432
L45, 46, 51, 52	376-0082	74157
L47, 56	376-0056	7407
L50	377-0269	8080A
L54, 55	376-0097	74195
L58	377-0338	8228
L43	NOT USED	

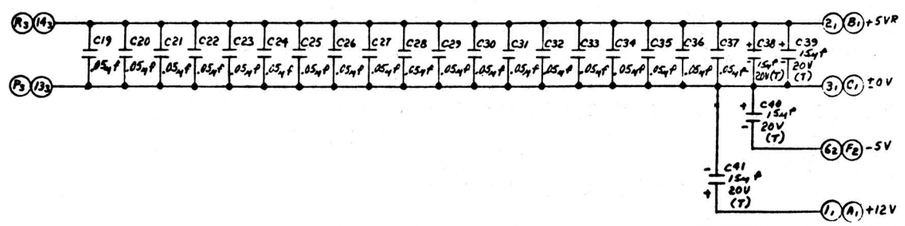
LOCATION	TYPE	SPARES
L32	7400	1
L41	7404	2
L47	7407	4
L49	7404	1

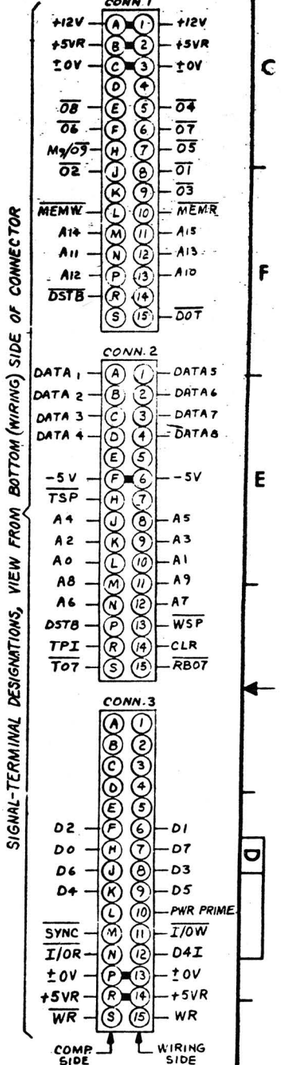
	210 = 209 + 377 OR 378				
MODEL	209	210	L1	L14	L15
2261W	7239	7239A	377-0317	377-0317	377-0317
2261WC	7239	7239B	378-2190	378-2191	378-2192

MNEMONICS	COORDINATES
A_0-A_{15}	1F11
CLR	1A4
$DATA_1$-$DATA_8$	2D11
D4I	1A8
D_0-D_7	1A8
$\overline{DOT}$	1C1
DSTB	1D1
$\overline{DSTB}$	2A11
I_1-I_9	2B5
$\overline{I/OR}$	1A7
$\overline{I/OW}$	1A7
M_1-M_8	1G1
$M9/\overline{09}$	1G2
$\overline{MD_{00}}$-$\overline{MD_{06}}$	1B5
$\overline{MEMR}$	1A7
$\overline{MEMW}$	1A7
$\overline{01}$-$\overline{09}$	2B4
Ø1, Ø2	2E10
PWR PRIME	2G9
$\overline{RA}$-$\overline{RF}$	1C6
$\overline{RBOT}$	2E11
$\overline{R8}$, $\overline{R9}$	1C6
RDY	2E10
RST	2E10
$\overline{SFT}$	1E3
$\overline{SYNC}$	2G10
$\overline{TOT}$	2F11
TPI	2G9
$\overline{TSP}$	2G11
W_1-W_9	1E5
WR	1A9
$\overline{WR}$	1A9
$\overline{WSP}$	2G11
X_0-X_7	2D6



COMPONENT LAYOUT





JAN 08 1979

E-REV 0

NO.	REVISION	BY	DATE
0	ORIGINATED PER DWR # 5W APP'D: [illegible] 5-11-78	RK	4-27-78
1	REVISED PER ECN # 6340 APP'D: [illegible] 5-17-78	RK	4-27-78
2	REVISED PER ECN # 6349 APP'D: [illegible] 5-17-78	RK	5-15-78

	BY	DATE	APPROVED BY	DATE
DWN	C.P.	4-27-78	E ENGR J. WANG	5/11/78
CHK	J.D.	5/11/78	M ENGR	
			MFG ENGR	

WANG LABORATORIES, INC. LOWELL, MASS. U.S.A.

MATERIAL

FINISH

MODEL NO. 2261W
SEE 6000B SPECIFICATIONS
No.

TOL. EX. AS NOTED
.XX ± FRAC ±
.XXX ± ANG ± FINISH √

TITLE
4-HEAD CHINESE PRINTER CONTROLLER

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
210-7239A	D	7239	2

SCALE — SHT — OF —

THIS DOCUMENT IS THE PROPERTY OF WANG LABORATORIES, INC. AND SHALL NOT BE REPRODUCED OR COPIED OR USED AS A BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION.

DO NOT SCALE

HOLE LEGEND

DRILLED ON	HOLE DIA.	TOL.
PUNCHED HOLE	.0135 to .135	±.002
TOLERANCES	.136 to .250	±.003
	.251 to .500	±.005

DIGIT	DESCRIPTION	QTY.
A		

SP — CONN 1 — CONN 2 — CONN 3 — CONN 4

I/O — 7246 — CONN 1 — CONN 2 — CONN 3 — CONN 4

MEM — 7247 — CONN 1 — CONN 2 — CONN 3 — CONN 4

CPU — 7248 — CONN 1 — CONN 2 — CONN 3 — CONN 4

J4: +5VR, +5VR, J2-M, J2-F,G

J1

J5

J3: ±0V, ±0V, J2-E,S, J2-D,H

J2

COMPONENTS	W.L. PART NO.
44 PIN CONN.	350-0021
30 PIN CONN.	350-0011
44 PIN CONN (NO KEY)	350-0033
J2	350-0009
J1	350-0405B
J3,4	654-1194
J5	376-9012

7243 R3.

COMPONENT LAYOUT

JAN 08 1979

REV	BY	DATE	APPROVED BY	DATE
K	JK	12/6		
J	JK	11/6		
H	JK	10/6		
G	JK	9/6		
F	JK	8/6		

REVISION: ORIGINATED PER ECO 7243 E-250 ADD J1. REVISED PER ECO 7243 E-252 ADD J5. REVISED PER ECO 7243 E-254 ADD J3,4. REVISED PER ECO 7243 E-256 ADD J2. SEE SHEET 3 FOR REVISIONS

E-REV 0

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
FIRST USED ON	ASSY USED ON		WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.		

	BY	DATE	APPROVED BY	DATE
DWN	JK	7-6-78	E ENGR	
CHK	G.D.	10-24-78	M ENGR	
E.C. CONTROL			MFG ENGR	

MATERIAL — MODEL NO 928 — SEE ENGR SPECIFICATIONS No. — FINISH — TOL. EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH

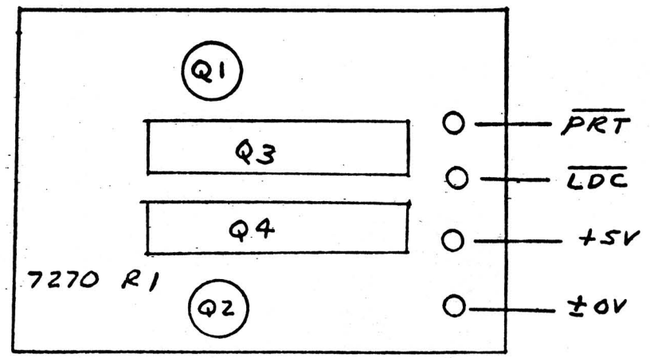
TITLE: PRINTER MOTHERBOARD

210-7243 | E | 7243 | 3

SCALE: 1/1 — SHT. 1 OF 3 — WANG PART NUMBER — SIZE — DRAWING NUMBER — REV

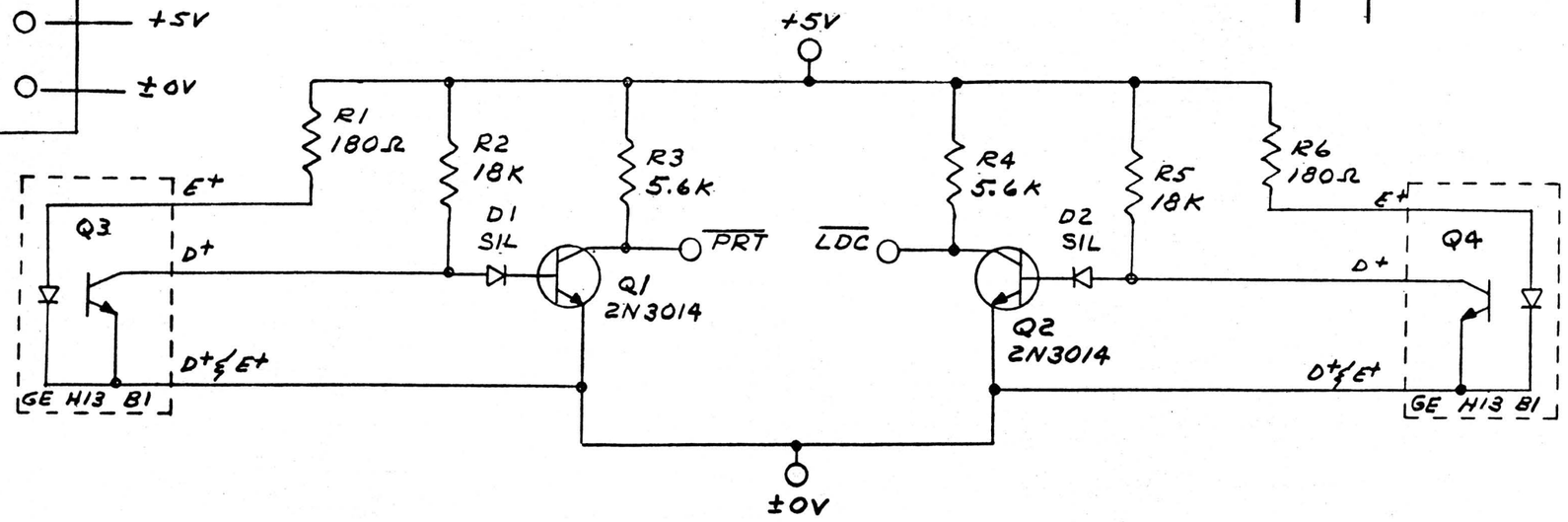
E 7243

DO NOT SCALE



HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	+.003 −.001
	.126 to .250	+.004 −.001
	.251 to .500	+.005 −.001

IDENT.	DESCRIPTION	QTY.
A		



COMPONENTS LIST	
D1,2	380-1001
Q1, Q2	375-0017
Q3,4	375-2103
R1,6	330-2018
R2,5	330-4018
R3,4	330-3056

JAN 08 1979

E REV 0

NO.	REVISION	BY	DATE
0	DWG #: E267 APPD SKHO 11/22/76	EBA	11-12-76

WANG PART NO.	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION
Qty. Per Unit	FIRST USED ON	ASSY USED ON			

WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.

	BY	DATE	APPROVED BY	DATE
DWN	EBA	11-12-76	E ENGR SKHO	11/23/76
CHK	[illegible]	11-17-76	M ENGR	
E. C. CONTROL			MFG ENGR	

MATERIAL

MODEL NO. 2271

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 128 √

TITLE: WRITER/PLOTTER PRINT TIMING BD

SCALE 1/1 SHT 4 OF 5

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
210-7270	B	7270	0

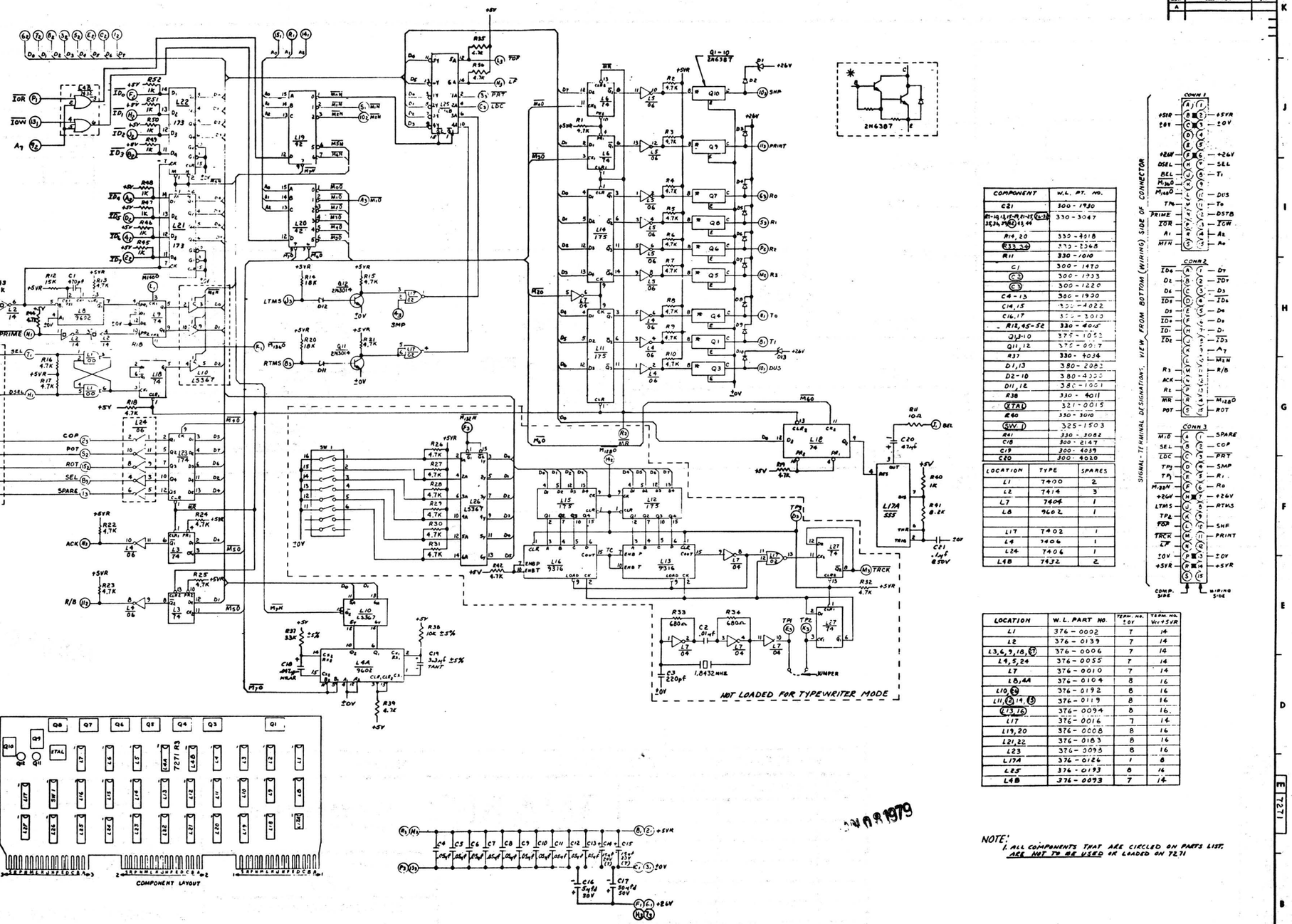
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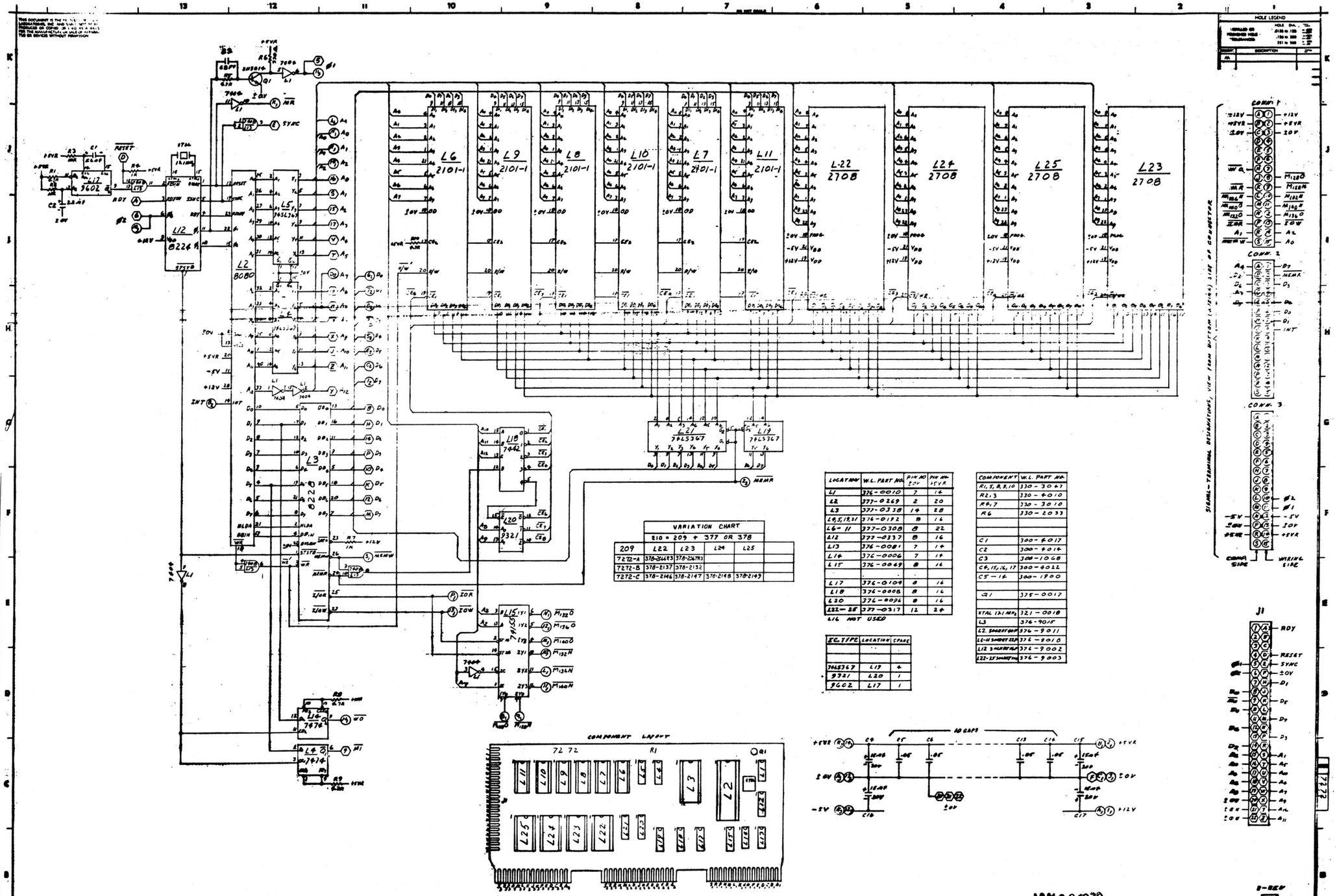
DO NOT SCALE

HOLE LEGEND

	HOLE DIA	TOL
DRILLED ON PUNCHED HOLE TOLERANCES	.0135 to .125	+.002 -.001
	.126 to .250	+.003 -.001
	.251 to .500	+.003 -.002

DWG	DESCRIPTION	QTY
A		


+5V
+5VR
R43 4.7K
DSTB P2
PRIME N1
R12 15K
C1 470pF
R13 4.7K
L2 14
L8 9602
L1 14
R44 4.7K
20V
R16 4.7K
R17 4.7K
SEL T1
DSEL H1
L10 14
L5367
R18 4.7K
Z01 LOCATED ON KEYBOARD
+6.5VUR
COP S3
POT S2
ROT S1
SEL B1
SPARE L3
R22 4.7K
ACK W2
R23 4.7K
R/B W3
R24 4.7K
R25 4.7K
R26 4.7K
R27 4.7K
R28 4.7K
R29 4.7K
R30 4.7K
R31 4.7K
R42 4.7K
L26 LS367
L25 LS367
L24 8C
L3 74
L4 06
M40
M50
M60
M70
M80
M90
M10
M20
M30
M40
M50
M60
M70
M80
M90
M10
M20
M30
M40
M50
M60
M70
M80
M90
M10
M20
M30


L6 2101-1
L9 2101-1
L8 2101-1
L10 2101-1
L7 2101-1
L11 2101-1
L22 2708
L24 2708
L25 2708
L23 2708
L2 8080
L5 74S139
L1 8224
L12 9602
L3 8228
L4 74S74
L13 7442
L15 74S157
L16 7476
L17 74S74
L18 74S74
L19 74LS367
L21 9321
L20 9321
L14 7400
L7 7404
L1 7406
L1 7400
L1 7408
L1 7404
L1 7400
L1 7400
L1 7400

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DIMENSIONS IN PARENTHESIS. TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.

DO NOT SCALE

HOLE LEGEND & TOLERANCES

SYMB	DESCRIPTION	QTY
⊕		

COMPONENT	W.L. PART NO.
R1, 35	330-2039
R2,5,10,11,14,16,17,19,22,23,26,27,31,34,36,39,40,43,44,45,46,49,50,53-70	330-3047
R3,12,20,32,37,41,47,51	330-2027
R4,15,21,33,38,42,48,52	332-1027
R6	330-2010
R7	330-2068
R8,29	336-1014
R9,25,73,74	330-3022
R15	330-4022
R24	330-1047
R28	330-3015
R30	330-3033
R18	330-4033
C1,7	300-1906
C2,6	300-1470
C3,5	300-1901
C4,16,17,18	300-4022
C8-15	300-1900
R75	330-3010
D1-16	380-4000
D17,18,19	380-5004
Q1,5-12	375-1051
Q2	375-1052
Q3,4	375-1053
Q13	374-0002
Q14,15	375-1027
Q16-23	375-1017
Q16-23	375-9004
Q14,15	375-9001

LOCATION	W.L.P/N	SPARES
L1	7411	1
L17	7404	2
L12	7404	3
L4	7411	1

LOCATION	W.L.PART NO.	TERM. NO ±0V	TERM. NO V+=+5VR
L1,2,3,4	376-0194	7	14
L5	376-0104	8	16
L6,7	376-0066	5	
L8,13,14	376-0192	8	16
L9	376-0002	7	14
L10,11	376-0008	8	16
L12,17	376-0010	7	14
L15,16	376-0053	8	16

1. ALL I.C. CHIPS ARE 7400 SERIES UNLESS NOTED.

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

CONN 1

+12V	A 1	2	+12V
+5VR	B 2	3	+5VR
±0V	C 3	4	±0V
+15V VUR	D 4	5	+15V VUR
-15V VUR	E 5	6	-15V VUR
+24 VUR	F 6	7	+24 VUR
	H 7	8	
CL	J 8	9	CO
PSEL	K 9	10	CR
RQ3	L 10	11	FQ3
COPS	M 11	12	HOM
SML	N 12	13	C/R
SPS	P 13	14	SPS
TP13	R 14	15	TP14
	S 15	16	

CONN 2

CO	A 1	2	DT
D2	B 2	3	SM
D4	C 3	4	D3
+32 VUR	D 4	5	+32 VUR
DT	E 5	6	D4
RBES	F 6	7	D0
PRES	H 7	8	D1
PLOT	J 8	9	A.C.
SMP	K 9	10	
	L 10	11	MZR
M.R	M 11	12	ML
I_3	N 12	13	I_1
	P 13	14	I_2
	R 15	16	

CONN 3

M.O	A 1	2	
I_0	B 2	3	
	C 3	4	TP16
	D 4	5	
	E 6	7	TP15
	F 7	8	
	H 8	9	
	J 9	10	
C_2	K 10	11	C_3
C_1	L 11	12	C_0
	M 12	13	
-5V	N 13	14	-5V
±0V	P 14	15	±0V
+5VR	R 15	16	+5VR
-15 VR	S 16	17	-15 VR

COMP. SIDE — WIRING SIDE

COMPONENT LAYOUT

E-REV 2

D 7273

REVISION	BY	DATE	APPROVED BY	DATE
1 ENGINEERED PER ENGR'G RELEASE DWG # 6452 AND ECO # 6453 AMND 1				
2 REVISED PER ECN # 6952 AND ECO # 7111				
3 REVISED PER ECN # 7045 AND ECO # 7211				
4 REVISED PER ECN # 7110 AND ECO # 7422				

COPY

QTY	ITEM	WANG PART NO	DRAWING NO	DESCRIPTION
NEXT ASSY				

WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.

BY	DATE	APPROVED BY	DATE
DWN AV	12-17-76	E ENGR	
CHK	12-17-76	M ENGR	
		MFG ENGR	

MATERIAL

FINISH

MODEL NO 2271

SEE EDDAS SPECIFICATIONS No.

TOL EX AS NOTED

TITLE WRITER/PLOTTER DRIVER

210-7273	D	7273	4
WANG PART NUMBER		DRAWING NUMBER	REV

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MILLIMETERS IN PARENTHESIS
TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS

DO NOT SCALE

EXTERNAL 600-0109

115VAC
230VAC
115VAC

BLK
BRN
BLK/WHT
BRN/WHT
GRN

LINE FILTER

115/230VAC
50/60 HZ

WHT
YEL
YEL/BLK
WHT
WHT
ORN
BLU
ORN/BLK
BLU
GRN

D1 GEA-15F
D2 GEA-15F
D3 GEA-15F
D4 GEA-15F
D5 EM403
D6 EM403
D7 GEA-15F
D8 GEA-15F
D9 GEA-15F
D10 GEA-15F
D11 EM403
D12 EM403

EXTERNAL
12X.1 50V
C4 12X.1 50V
R1 4.7K
R2 4.7K 1/2W

EXTERNAL 2N6387
+32VUR
+12VUR
R3 10K 1/2W
VR3 1N755A
VR4 1N755A
VR5 1N746A
10V
Q1 2N1711
R10 1K
W1 100
C3 .1
+5V
.1 MF 50V
Q2 2N1711
+15V
R11 5.1K 1/2W
DIG +5V Power
GND

EXTERNAL
.22MF 50V
+8VUR
R5 560Ω
10V

-15VUR
R4 4.7K
C1 2000 MF 20V
30V

COPS J2-8
R9 180Ω
J2-15 +5VL

+15VUA
R6 4.7K
C2 2000 MF 20V
30V

220-1122

J4
J3
7274 REV D
J2
220-0156
10V

J1

COMPONENT	WL. PART NO
R1, 4, 6	330-3047
R2	331-3047
R3	331-2039
R5	330-2056
R7	330-3015
C1, 2	300-3018
C3	300-1910
D1-4, 7-11	16-3018
D5, 6, 12, 13	16-4000
D14, 15	16-2033
D16	380-4047
Q1	335-1027
Q2	335-1117
R9	330-3016
R4	330-3016
R10	330-2010

J1
- 10 (1) +5VLR — SHAPE1
- 13 (2) CF — SEL (SW)
- 12 (3) C/R — USEL
- 11 (4) SEL(SW) — TOF
- 16 (5) CL — SHAKE
- 1 (6) RST — +5V
- 8 (7) CR — SHAKE2

7271 CONN 3: +5VR, -15V, +5V, +12V, PRINT, SHF, RTMS, +5VR, RST, SMP, PRT, +5V, +5V, -5V, +12V, -12V
7271 CONN 2: RST, R/B, AT, D1, D0, D4, D5, D6, D7, A0, A1, A2, A3, A4, A5, A6, A7
7271 CONN 1: A0, A1, ECW, DSTB, TO, DVS, COPS, T1, SEL(SW), +12V, +5V, +5V, +5VR, +5V, +5V, +12V, +12V

7272 CONN 3: +5VR, +5VR, +5V, -5V, +12V, -12V
7272 CONN 2: D1, D0, D4, AT, D5, D7, A0, A1, A2, A3, A4, A5, A6, A7
7272 CONN 1: A1, TOF, +5V, +5VR, +12V, A0, A2, ECW, +5V, +5V, +5VR, +12V

7273 CONN 3: -15V, +5VR, +5V, -5V, +12V, -12V
7273 CONN 2: I2, I1, MW, SMP, MOT, PRES, PBES, D5, D6, D7, +12V, D2, D3, D4, SM, D1, D0
7273 CONN 1: SPS, C/R, COPS, RDY, CL, CU, +12V, +12V, +5V, +5V, +5V, +5V, +5VR, +5V, +5V, +12V, +12V

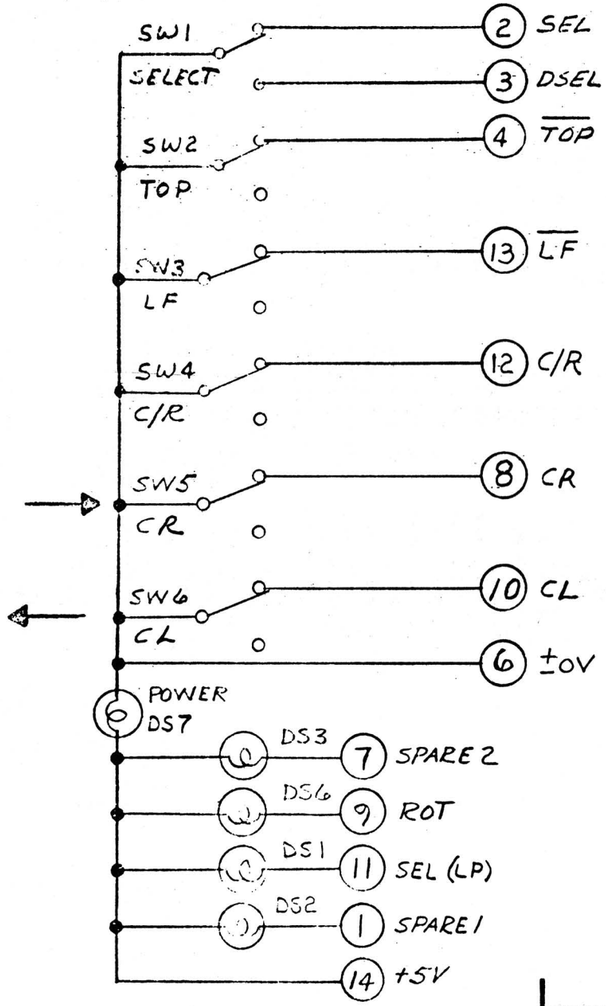
J2
- COPS — RMD
- PRES
- RBES
- LDC
- PRT
- RTMS — +5VR
- LTMS — +5V

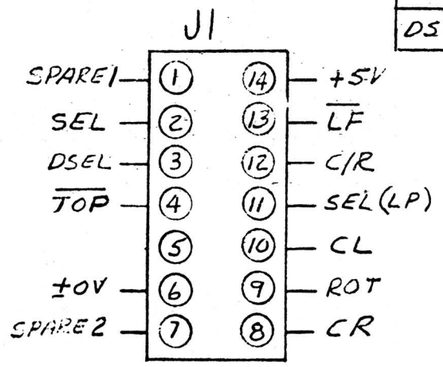
DSTB, PRIME, ACK, ID2, ID1, ID0, ID5, ID6, ID7, ID4, ID3, R/W

+5V

J4: SPS, +5VR, +5V, +5V, +5V, +5V

DO NOT SCALE



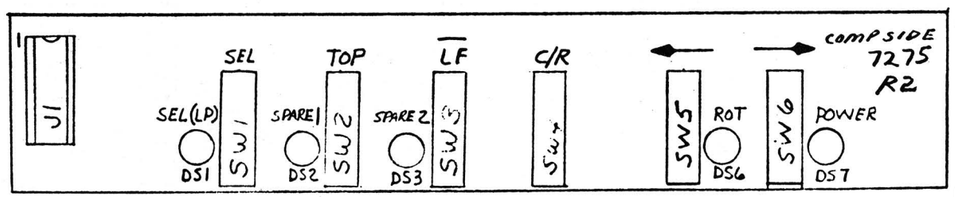


COMPONENT	W.L. PT NO.
DS1-7	370-0015
SW1-6	325-2305
J1	376-9008
DS1-7	370-1020
DS1-7	652-3002

NOTE: DS2, & DS3 NOT LOADED.

HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	+.003 −.001
	.126 to .250	+.004 −.001
	.251 to .500	+.005 −.001

IDENT.	DESCRIPTION	QTY
A		



JAN 08 1979

E. REV 0

B 7275

REVISION	DATE	BY
DWG # 7275 ADDED F. LEE 2/16/77	2/16/77	SKP
REVISED PER ECN #: 6961 DWG #:	1/6/77	KER
REVISED PER ECN #: 7351 DWG #:	2/8/77	WCK

WANG PART NO.	ITEM	QTY.	NAME
Qty. Per Unit	FIRST USED ON	ASSY USED ON	

WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.

MATERIAL	MODEL NO. 2271
	SEE ENGRG SPECIFICATIONS No.
FINISH	TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 128 √
	SCALE 2" SHT 1 OF 1

MATERIAL DESCRIPTION

BY	DATE	APPROVED BY	DATE
DWN SKP	1-16-77	E ENGR F. LEE	2-16-77
CHK		M ENGR	
E. C. CONTROL		MFG ENGR	

TITLE: TYPEWRITER KEYBOARD

210-7275	B	7275	2
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.

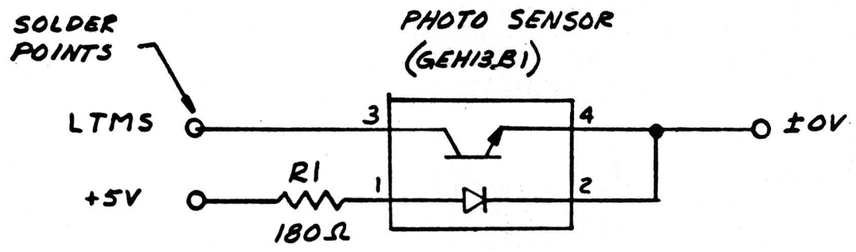
DO NOT SCALE

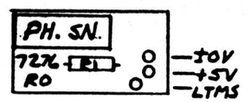
COMP.	WL PT NO.
R1	330-2018
PH. SN.	375-2107

HOLE LEGEND

	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	+.003 −.001
	.126 to .250	+.004 −.001
	.251 to .500	+.005 −.001

IDENT.	DESCRIPTION	QTY.
A		





JAN 08 1979

E. REV. 0

REVISION	BY	DATE
ORIGINATED PER DWR# E312	ETBA	3-1-77
APP'D		3-21-77
0/0		

WANG PART NO.	ITEM	QTY.	NAME
Qty. Per Unit	FIRST USED ON	ASSY USED ON	

WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.

MATERIAL	MODEL NO. 2271
	SEE ENGRG SPECIFICATIONS No.
FINISH	TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' 125 FINISH
	SCALE 2 / SHT 4 OF 5

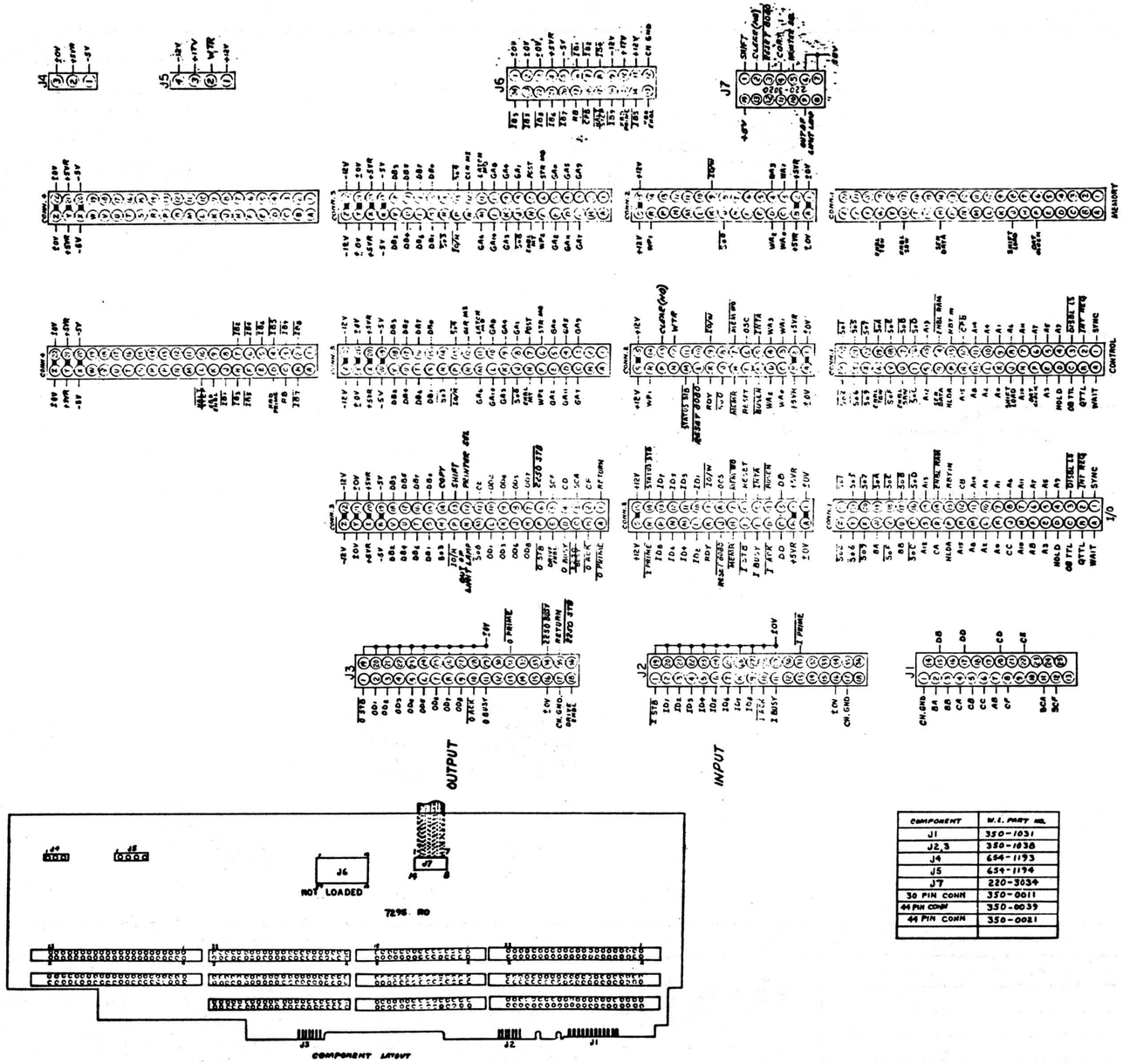
MATERIAL	DESCRIPTION

BY	DATE	APPROVED BY	DATE
DWN ETBA	3-1-77	E ENGR Francis Lee	3/21/77
CHK	3-21-77	M ENGR	
E. C. CONTROL		MFG ENGR	

TITLE: HOME POSITION BD.

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
210-7276	B	7276	0

B 7276

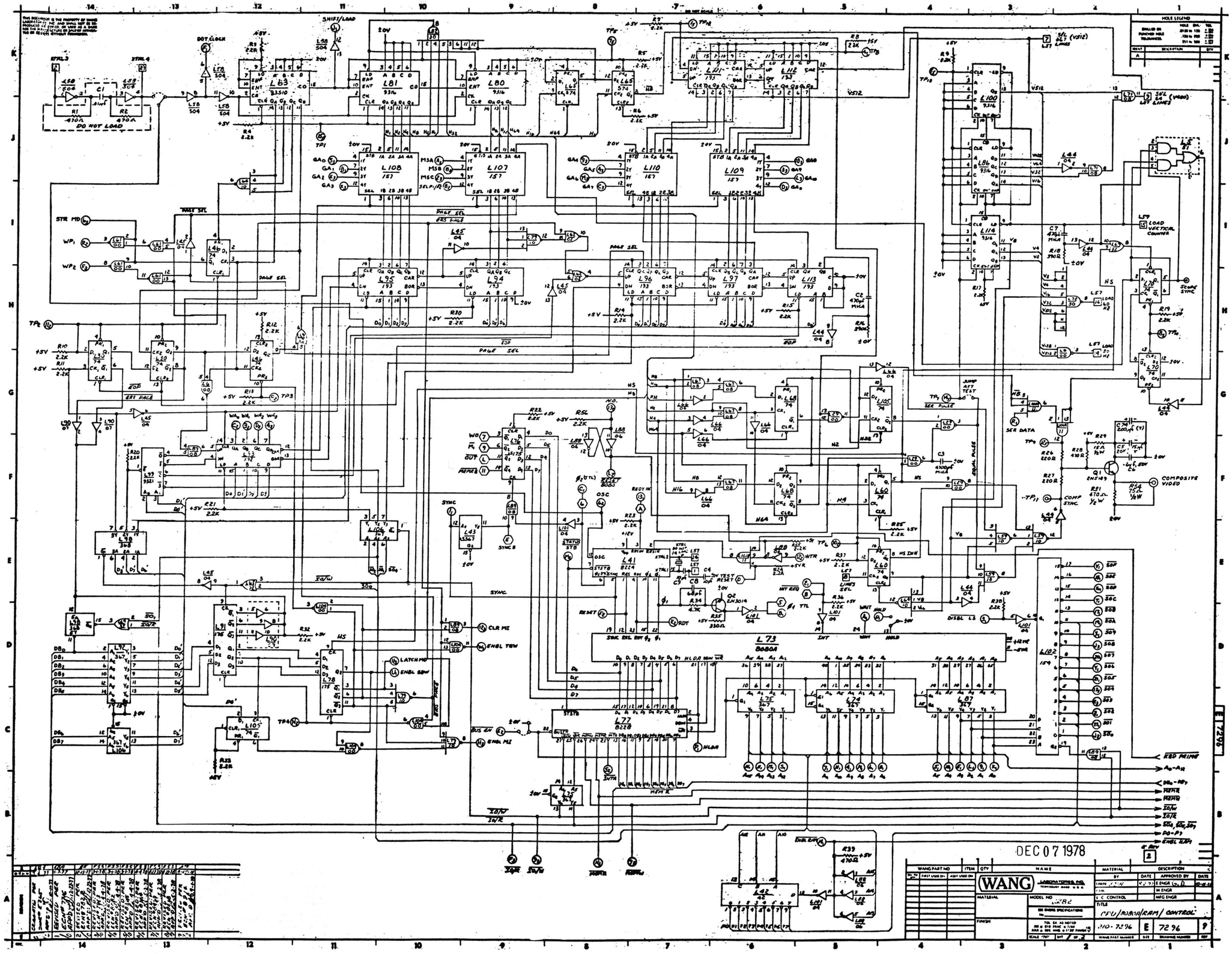


COMPONENT	W.I. PART NO.
J1	350-1031
J2,3	350-1038
J4	654-1193
J5	654-1194
J7	220-3034
30 PIN CONN	350-0011
44 PIN CONN	350-0039
44 PIN CONN	350-0021

COPY

OCT 31 1978

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC.	BY	DATE / APPROVED BY / DATE
				DWN	E ENGR
				CHK	M ENGR
			MODEL NO 7295	E C CONTROL	MFG ENGR
			SEE SHEET SPECIFICATIONS	TITLE MOTHERBOARD	
				210-7295	7295


WANG
DEC 07 1978
E 7296
CPU/MAIN/RAM/CONTROL
DO NOT LOAD
SHIFT/LOAD
DOT CLOCK
PAGE SEL
SER DATA
SER PULSE
COMPOSITE VIDEO
SCAN SYNC
LOAD VERTICAL COUNTER
JUMP AFT TEST
SIGNAL PULSE
COMP SYNC
SYNC
CLR MI
ENBL TBW
LATCH MO
ENBL SBW
ENBL MI
RDY
INT
WAIT
HOLD
MEMR
MEMW
I/OR
I/OW
ENBL EXP
MEM R
MEM W

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HOLE LEGEND

SYMBOL	HOLE DIA.	TOL.
	.040 to .100	±.003
	.130 to .250	±.005
	.354 to .500	±.005

QUAN	DESCRIPTION	QTY
A		

L7 367 · L47 367 · L8 367 · L46 367 · L32 42 · L31 367 · L47 367

2102-A4 RAM chips L9 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29 L30 L33 L34 L35 L36 L37 L38 L39 L40

L28 2708 · L27 2708 · L26 2708 · L25 2708 · L4 2708 · L3 2708 · L2 2708 · L1 2708

L84 LS368 · L85 LS368 · L86 LS368

L41 04

C11 1µF 50V · C12–C26 1µF 50V · C59 47µF 20V · C60–C63 1µF 50V

+5V · +12V · −5V · ±0V

RAS · CAS · WE · DIN · DOUT · R/W

RAM ADDR · LED ADDR · LED ENBL

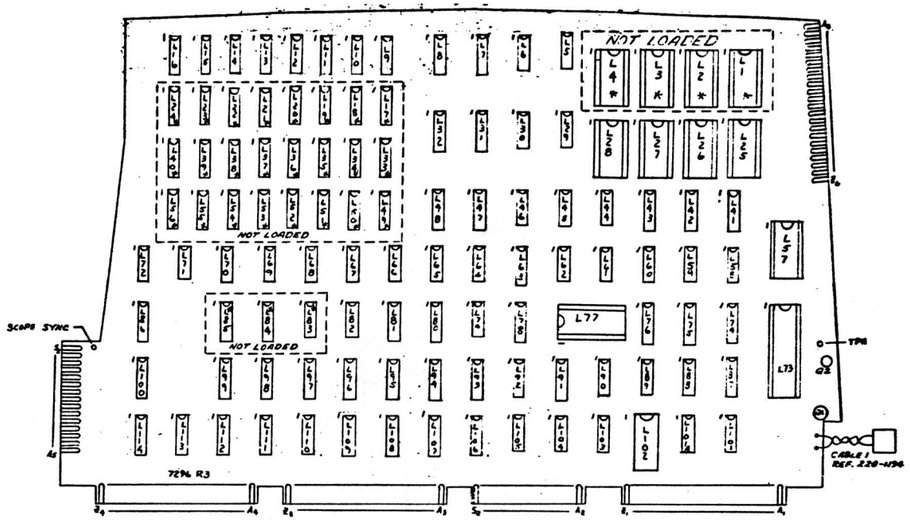
DO NOT LOAD THIS AREA

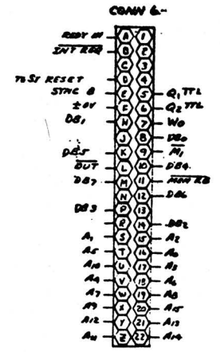
NOTE:
C15 THRU C26 ARE LOADED.

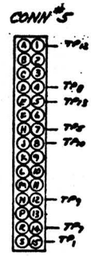
DEC 07 1978

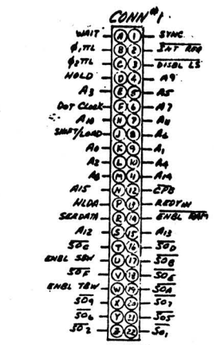
WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
PLOT FIRST USED ON	ASSY USED ON		WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.	BY	DATE / APPROVED BY / DATE
				DWN	E ENJE
				CHK	M ENGR
MATERIAL			MODEL NO	I C CONTROL	MFG ENGR
			SEE PARTS VALIDATIONS	TITLE	CPU/BUSCTL/RAM/CONTROL
FINISH			TOL. ON XX MATLD ± .005 DEC ± .010 FRAC ± 1/32 ANG ± 1° UNLESS OTHERWISE SPECIFIED	WANG PART NUMBER 210-7246	E 7296 9
SCALE			SHT OF	SIZE	DRAWING NUMBER / REV

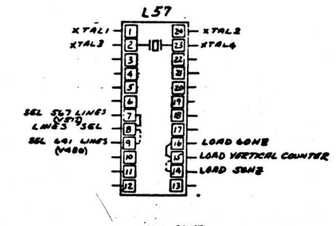
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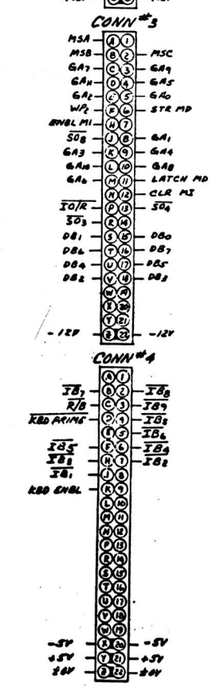












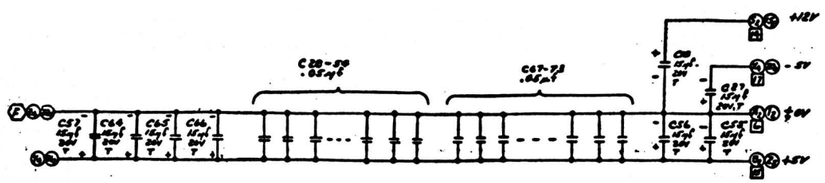
COMPONENTS	WL PT. NO
Q1	326-1021
Q2	326-0017
CABLE 1	220-1196
* C1,	300-1903
C2,3,7	300-5005
C4,9	300-1810
C5,10,21,33-38,44-46	300-4022
C6,	300-1936
C8	300-1065
C11-26, 60-63	300-1931
C28-59, 67-73	300-1900
C74	300-4065
* R1, 2, 28, 29	330-2047
* R3-15, 17, 19-25, 30, 32, 34-38, 40-53, 55, 56	330-3022
R16, 18	330-2049
R26, 27	330-2022
R39	331-1015
R31	331-2047
R33	330-3047
R35	330-2033
R54	331-1076
* L1-4, 85-88, 87 SEL.	376-3016
L73 SEL.	376-3011
L77 SEL.	376-3015

LOCATIONS	WL PT NO.	Vcc	GND
* L1-4, 25-28	SEE CHART	24	12
L5	376-0012	14	7
L6,29,61,106	376-0002	14	7
L7,8,31,42,44,74,75,77,78,96	376-0176	16	8
* L9-24, 83-90, 49-56	377-0269	10	9
* L30,43,60, ,L70,83,105	376-0004	14	7
L32,45	376-0008	16	8
L41	377-0337	16	8
L47	376-0192	16	8
L48,65,66,101	376-0010	14	7
L58	376-0193	16	7
L59,64,79	376-0003	14	7
L62	376-0016	14	7
L63	376-0281	14	8
L67 71,89	376-0083	14	7
L68 103	376-0093	14	7
L72,82	376-0031	14	7
L73	377-0269	20	2
L76	376-0160	16	8
L77	377-0338	28	14
L78,91	376-0119	16	8
L80,81,84,100,104	376-0094	16	8
L85	376-0302	14	7
L88	376-0085	14	7
L90	376-0086	14	7
L93	276-0198	16	8
L95,96,97,98,102,103	376-0053	16	8
L98	376-0179	16	8
L99	376-0096	16	8
L100	376-0098	28	12
L107,108,109 110	376-0081	16	8
L1014	376-0194	14	7
* L86,85	376-0193	16	8

* L1-4, 17-24, 33-40, 49-56, 81-85, C1, R1, 2, 40-51, 53 NOT LOADED

MODEL 2202	L28	L27	L26	L25
210-7296A	378-2162	378-2163	378-2164	378-2165
210-7296B	378-2162	378-2163	378-2164	378-2165
210-7296C	378-2163	378-2170		

SPARES		
LOCA	TYPE	SP.
L5	7451	1
L6	7400	2
L98	74LS367	4
L95	7404	1
L88	7408	1
L89	7410	1
L69	7432	2
L71	7408	2
L90	7407	1
L99	9321	1
L100	7438	1



DEC 07 1978

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		BY / DATE / APPROVED BY / DATE
					DWN 2L4 8-2-77 / E EWA
					CHK / M EWA
					E C CONTROL / MG EWA
MATERIAL			MODEL NO. 2202	TITLE	CPU/8080A/RAM/CONTROL
FINISH			SEE SHEET SPECIFICATIONS	TOL. EX AS NOTED .XX ± .010 .X ± .1 ANG. ± 1/2°	210-7296 / E / 7296 / 9
				SCALE 2/1 SHT 3 OF 3	WANG PART NUMBER / SIZE / DRAWING NUMBER / REV.

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MILLIMETERS IN PARENTHESIS. TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.

DO NOT SCALE

HOLE LEGEND & TOLERANCES

HOLE DIA	TOLERANCE
.0359 - .125	+ .003 - .004
.126 - .250	+ .003 - .005
.251 - .500	+ .005 - .007

SYMB.	DESCRIPTION	QTY.
A		

DEC 07 1978

E-REV 0

REV	BY	DATE
A	ORIGINATED PER DWR # E366 APP'D: [illegible]	7-7-77
B	REVISED PER ECN # 1055 APPROVED: [illegible]	11-8-77

QTY.	ITEM	WANG PART NO	DRAWING NO.	DESCRIPTION
NEXT ASSY.				

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	[illegible]	7/7/77	E ENGR J. J.	10-4-77
CHK	T. D.	10/12/77	M ENGR	
			MFG ENGR	

MATERIAL

MODEL NO. 2282

SEE ENGRG SPECIFICATIONS No. _____

FINISH

TOL EX AS NOTED
XX ± .01 FRAC ± 1/64
XXX ± .005 ANG ± 1° FINISH √

TITLE: I/O INTERFACE

210-7297 | D | 7297 | 1

WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

SCALE | SHT 1 OF 2

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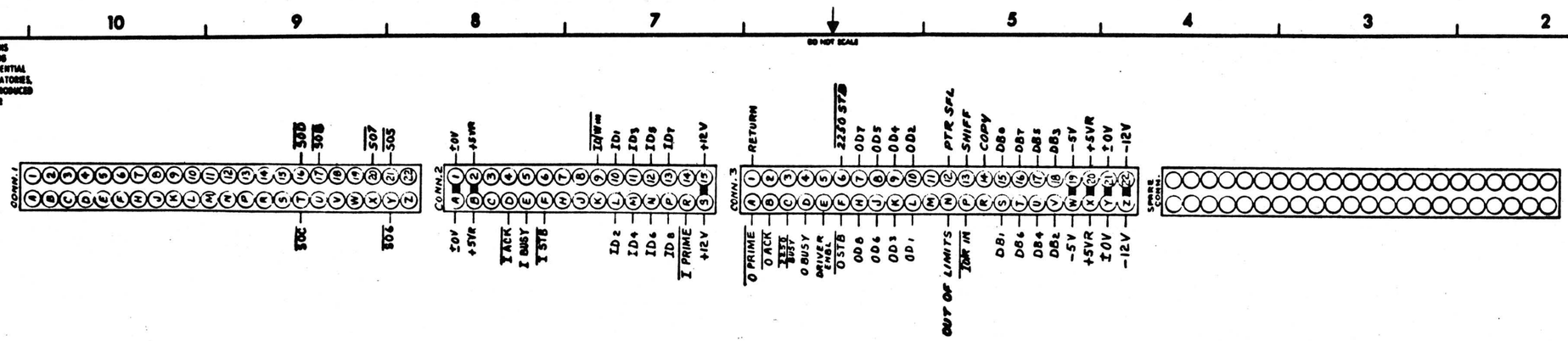
MILLIMETERS IN PARENTHESIS. TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.

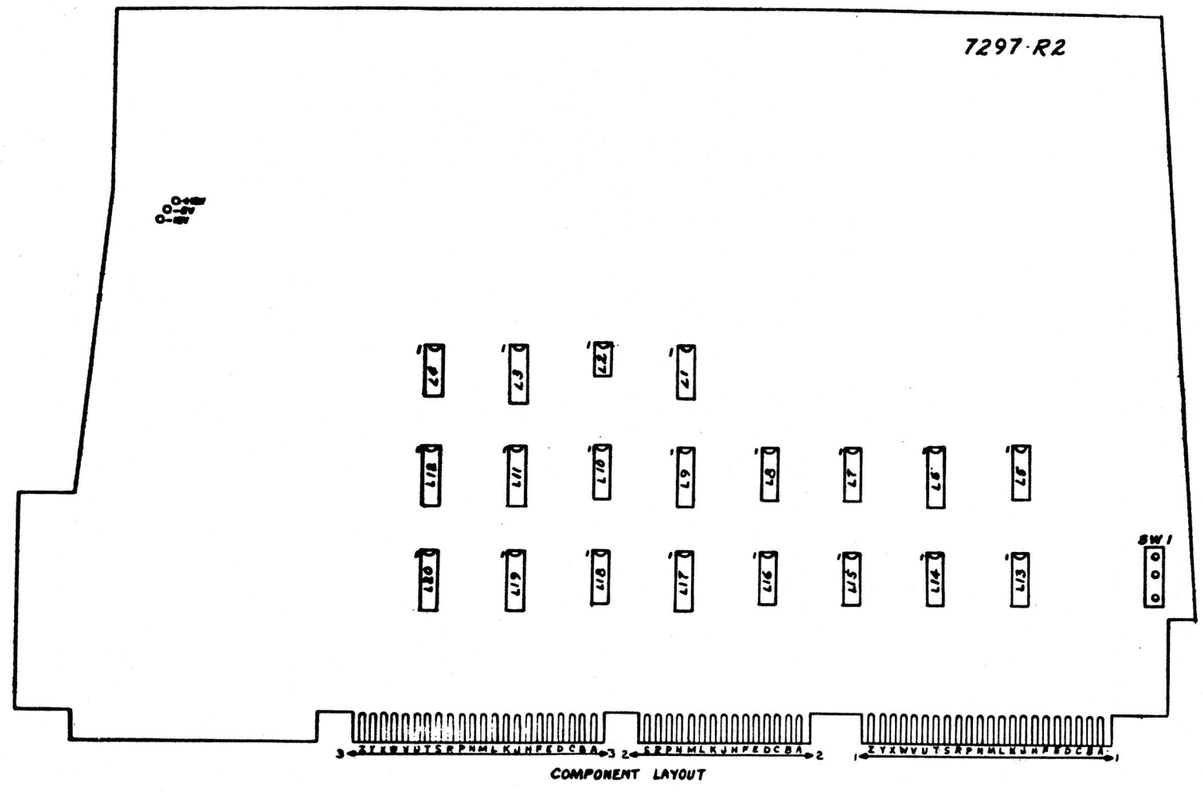
DO NOT SCALE

HOLE LEGEND & TOLERANCES

HOLE DIA	TOLERANCE
.0135 - .125	+ .003 - .001
.126 - .250	+ .004 - .001
.251 - .500	+ .005 - .001

SYM.	DESCRIPTION	QTY.
A		

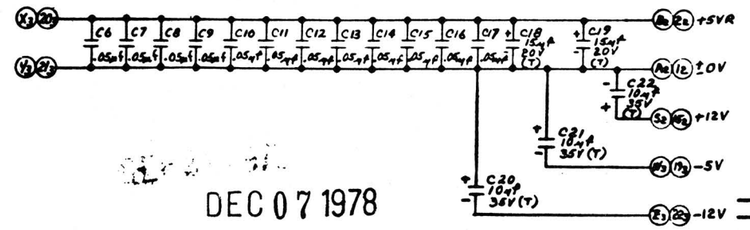




COMPONENT	W.L. PART NO.
R1-10,12,16-19,21-26,29	330 - 3022
R27	330 - 3015
R13,14	330 - 2039
R15,20	330 - 4033
R11	330 - 4027
C1,5	300 - 5005
C2	300 - 4000
C3	300 - 5004
C4	300 - 5006
C6-17	300 - 1900
C18,19	300 - 4022
C20-22	300 - 4032
C23	300 - 4034
R28	330 - 4012
SW1	325 - 2305

LOCATION	W.L. PART NO.	TERM. NO. 0V	TERM. NO. Vcc+5VR
L1,10,13,18	376 - 0006	7	14
L2	376 - 0126	1	8
L3,17	376 - 0176	8	16
L4,5	376 - 0056	7	14
L6,9	376 - 0104	8	16
L7	376 - 0081	7	14
L8,14,16	376 - 0093	7	14
L11,12,19,20	376 - 0183	8	16
L15	376 - 0010	7	14

LOCATION	TYPE	SPARES
L1	7474	1
?		
L4	7407	5
L6	9602	1
L7	7408	2
L13	7474	1
L14	7432	1
L15	7404	1



DEC 07 1978

QTY.	ITEM	WANG PART NO.	DRAWING NO.	DESCRIPTION
NEXT ASSY.				

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	RK	7-7-77	E ENGR	
CHK			M ENGR	
			MFG ENGR	

MATERIAL

MODEL NO. 2282
SEE ENGRG SPECIFICATIONS
No.

TITLE: I/O INTERFACE

FINISH

TOL EX AS NOTED
XX ± FRAC ±
XXX ± ANG ± FINISH √

SCALE 1/1 SHT 1 OF 1

210-7291	D	7297	1
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

D 7297

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DO NOT SCALE

HOLE LAYOUND

SPECIFIED DIA	HOLE DIA	TOL
PUNCHED HOLE	.035 to .120	+.002 -.000
TOLERANCES	.196 to .250	+.003 -.000
	.311 to .500	+.004 -.000

IDENT	DESCRIPTION	QTY
A		

ENBL TOW ENBL BOW WA0 WA1 WA2 WA3

L137 74S42

L135 L136 L138 74S157

R1 2.2K

MSA MSB MSC WP2 WP1

L125 74S42

L1 L2 L3 L4 74S367

L2 L3 L59 L36 L82 L105 75322

C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22

R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 10K 5%

L24 L23 L22 L21 L20 L19 L18 L17 L16 L15 L14 L13 L12 L11 L10 L9 L8 L7 L6 L5

L97 L96 L95 L94 L93 L92 L91 L90 L89 L88 L87 L86 L85 L84 L3 L33 L32 L31 L30 L29 L28 L27 L26 L25

L70 L69 L68 L67 L66 L65 L64 L63 L62 L61 L57 L56 L55 L54 L53 L52 L51 L50 L49 L48

L93 L92 L91 L90 L89 L88 L87 L86 L85 L84 L80 L79 L78 L77 L76 L75 L74 L73 L72 L71

L116 L115 L114 L113 L112 L111 L110 L109 L108 L107 L103 L102 L101 L100 L99 L98 L97 L96 L95 L94

TMS4050

R22 R23 R24 R25 R26 R27 R28 R29 R30 R31 2.2K 5%

R32 R33 R34 R35 R36 R37 R38 R39 R40 R41 2.2K 5%

+5V

EPB0 EPB1 EPB2 EPB3 EPB4 EPB5 EPB6 EPB7 EPB8 EPB9

OPB0 OPB1 OPB2 OPB3 OPB4 OPB5 OPB6 OPB7 OPB8 OPB9

E-REV 0

DEC 07 1978

REVISION	BY	DATE
A 64K-II	DAS	10-19-77
B	DAS, JEA, DWS, JFM, RJW, GEW, RWS, MWH	11-14-77

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
FIRST USED ON	ASSY USED ON		WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		

	BY	DATE	APPROVED BY	DATE
DWN	[illegible]	1-13	E ENGR	11-13-78
CHK			SR ENGR	
E C CONTROL			MFG ENGR	

MATERIAL — MODEL NO 2292 — SEE ENGRG SPECIFICATIONS

FINISH — TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH

TITLE: IMAGE MEMORY

SCALE — SHT 1 OF 1

210-7298 | E | 7298 | 1

WANG PART NUMBER | SIZE | DRAWING NUMBER | REV.

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DO NOT SCALE

HOLE LEGEND

HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES: .0125 to .125	± .003
.126 to .250	± .004
.251 to .500	± .005

ITEM	DESCRIPTION	QTY.
A		

CONN. 1

	A 1	
	B 2	
	C 3	
	D 4	
	E 5	
DOT CLOCK	F 6	
SHIFT LOAD	H 7	
	J 8	
	K 9	
	L 10	
SER DATA	M 11	
	N 12	
	P 13	
	R 14	
ENBL SBW	S 15	
	T 16	
ENBL TBW	U 17	
	V 18	
	W 19	
	X 20	
	Y 21	
	Z 22	

CONN. 2

+5V	A 1	+5V
+5V	B 2	+5V
WA_0	C 3	WA_1
WA_2	D 4	WA_3
	E 5	
	F 6	
	H 7	
$\overline{SOO}$	J 8	SEL P/P_2
	K 9	$\overline{I/OW}$
	L 10	
	M 11	
	N 12	
	P 13	
WP_1	R 14	
	S 15	

CONN. 3

MSA	A 1	
MSB	B 2	MSC
GA_7	C 3	GA_9
GA_{11}	D 4	GA_8
GA_2	E 5	GA_0
WP_2	F 6	STR MD
ENBL MZ	H 7	
$\overline{SO_0}$	J 8	GA_1
GA_9	K 9	GA_6
GA_{10}	L 10	GA_3
GA_4	M 11	LATCH MD
	N 12	CLR MZ
$\overline{I/OR}$	P 13	$\overline{SO_4}$
$\overline{SO_3}$	R 14	
DB_1	S 15	DB_0
DB_4	T 16	DB_7
DB_6	U 17	DB_5
DB_2	V 18	DB_3
	W 19	
	X 20	
	Y 21	
	Z 22	

CONN. 4

	A 1	
	B 2	
	C 3	
	D 4	
	E 5	
	F 6	
	H 7	
	J 8	
	K 9	
	L 10	
	M 11	
	N 12	
	P 13	
	R 14	
	S 15	
	T 16	
	U 17	
	V 18	
	W 19	
-5V	X 20	-5V
+5VR	Y 21	+5VR
+0V	Z 22	+0V

COMP SIDE — WIRING SIDE

SIGNAL - TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR

CLR MZ — 7406 L126 — 7406 L126 — 7406 L126 — 7406 L126 — 7406 L126 — 7406 L126 — 7406 L126 — 7406 L126

STR MD — 7406 L126

ENBL MZ — 7406 L126

SEL P/P_2 — 7404 L125

$\overline{SOO}$ — 7406 L126

$\overline{SOO}$ — 7404 L125

SHIFT/LOAD

DOT CLOCK

R 62 1.1K +5VR

SERIAL DATA

LATCH MD

$\overline{SO_3}$

$\overline{I/O/R}$

$\overline{SO_4}$

DB_0 DB_1 DB_2 DB_3 DB_4 DB_5 DB_6 DB_7

COMPONENT LAYOUT

7298

R1

LOCATION	W. L. PART NO.	PIN NO. +0V	PIN NO. +5VR	PIN NO. -5V	PIN NO. +12V
L1, 9, 35, 37, 58, 60, 81, 83, 109, 106, 182, 184	376-0176	8	16		
L 2, 3, 34, 59, 82, 105	376-0178	7	16		
L5-39, 38-57, 61-80, 86-103, 107-116	377-0316	18	—	1	10
L117-122, 127-132, 139, 140, 143	376-0183	8	16		
L123	376-0002	7	16		
L124, 126	376-0010	7	16		
L125, 137	376-0008	8	16		
L133, 134	376-0187	8	16		
L135, 136, 138	376-0082	8	16		
L140	376-9073	7	16		

REF. TYPE	LOCATION	SPARE
7632	L140	2

COMPONENT	W. L. PART NO.
R1, 62	330-3022
R2-21	330-1011
R22-61	330-3023
C1, 3, 5, 7, 9, 81, 85, 86, 87, 98, 99, 154, 157	300-4018
C2, 4, 6, 8, 10, C100-149	300-1930
C11-20	300-1270
C22-44	300-1900
C48-97	300-1931
C1-10	375-1050
L5-39, 38-57, 61-80 86-103, 107-116, 18 PIN SOCKET	376-9014

+5VR — C21 C22 C23 C24 C92 C93 C96 C98 — +5VR

+0V — C46 C47 C48 C49 C50 C99 C100 C149 C150 C151 — -5VR

+12V

DEC 07 1978

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
PRINT MARK ON	ASSY MARK ON				

WANG LABORATORIES, INC. 1 Industrial Avenue, Lowell, Mass. U.S.A.

	BY	DATE	APPROVED BY	DATE
MATERIAL	DWN	11/14	E ENGR	
	CHK		M ENGR	
	E. C. CONTROL		MFG ENGR	
FINISH	MODEL NO 2292	TITLE IMAGE MEMORY		
	SEE SHEET SPECIFICATIONS No.			
	TOL. ON AS NOTED .XX ± .010 .XXX ± .005 ANG. ± 1°30' FINISH	210-7298A	E	7298 1
	SCALE — SHT 1 OF 2	WANG PART NUMBER	SIZE	DRAWING NUMBER REV

SEE SHEET 2

E 7298

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HOLE LEGEND		
	HOLE	DIA. TOL
DRILLED ON	.0135 to .135	±.003
FINISHED HOLE	.136 to .389	±.003
TOLERANCES	.391 to .508	±.003

SIGHT	DESCRIPTION	QTY.
A		

SP — CONN. 1

CONN. 2 — LOADED FOR 928 PIO PC BD 7396

CONN. 3

CONN. 4 — J7 — LOADED FOR 5521, 5531, 928 PIO

I/O — CONN. 1

CONN. 2 — LOADED FOR 928 PI (-) 2281

CONN. 3

CONN. 4 — I/O

MEM — CONN. 1

CONN. 2

CONN. 3

CONN. 4 — MEM

CPU — CONN. 1

CONN. 2

CONN. 3

CONN. 4 — CPU

J1 — LOADED FOR 928 PI (-) 2281

J6

J5 — LOADED FOR 928 PI (-) 2281

J3

J2

J4
- 4 +5VA
- 3 +5VR
- 2 J2-M
- 1 J2-F,G

MODEL	7343
928 PI	PC BD 7396 & J6 NOT LOADED
2281	

MODEL	7343 - 1
5521	J1 NOT LOADED
5531/W1	
5531/W2	
928 PIO	

COMPONENTS	W.L. PART NO.
44 PIN CONN.	350-0021
30 PIN CONN.	350-0011
44 PIN CONN (NO EARS)	350-0039
J2	350-0009
J1	350-0405B
J3, 4	654-1194
J5	376-9012
J6	654-1193

7343 rb

1st 2nd 3rd 4th

SP I/O MEM CPU

J1 J2 J3 J4 J5 J6

COMPONENT LAYOUT

DEC 07 1978

REV	DATE	BY	DESCRIPTION
A	12-20-76	JS	ECO 6-1-77
B	3-10-77	JS	ECO 6-1-77
C	6-6-78	JS	ECO 6-1-78

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
DWG. PART NO.	FIRST USED ON	ASSY USED ON			

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL — MODEL NO. 928 — SEE ENGRG SPECIFICATIONS No.

FINISH — TOL. EX. AS NOTED .XX ± .010 .XXX ± .005 ANGS ± 1/2° FRACS ± 1/64

SCALE — SHT 2 OF 5

	BY	DATE	APPROVED BY	DATE
DWN	JR	7-6-76	E ENGR	
CHK	GB	10-26-76	M ENGR	
E C CONTROL			MFG ENGR	

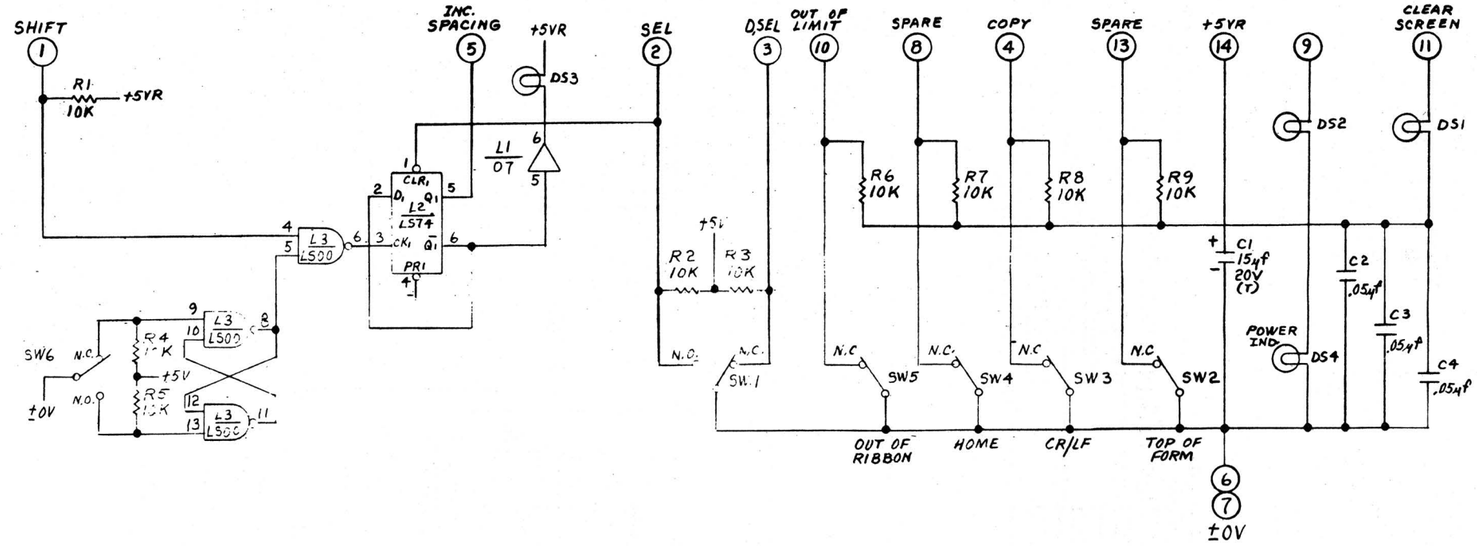
TITLE: PRINTER MOTHERBOARD

210-7343 | E | 7343 | 2

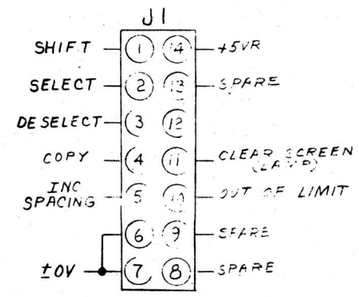
WANG PART NUMBER | SIZE | DRAWING NUMBER | REV.

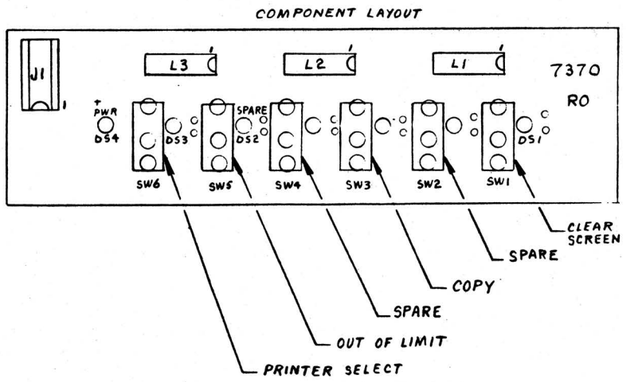
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DO NOT SCALE



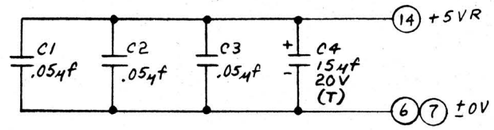
LOCATION	TYPE	SPARES
L1	7407	5
L2	74LS74	1
L3	74LS00	1





COMPONENT	W.L. PART NO.	TYPE
R1-9	330-4010	10K 10%
C1-3	300-1900	.05µf
C4	300-4022	15µf 20V
* SW1-6	325-2305	11SM1
DS1-4	370-0015	CM6833A515
DS1-4	370-1020	1200 HOLDER
J1	376-9012	14PIN SKT
J1	376-9008	PAD

LOCATION	W.L. PART NO.	TYPE
L1	376-0056	7407
L2	376-0155	74LS74
L3	376-0207	74LS00



* SW. 2, 4, 5, NOT LOADED

E-REV 0

NO.	REVISION	BY	DATE
0	ORIGINATED PER DWR E430 APP'D: 2-16-78	ER	1-11-78

	BY	DATE	APPROVED BY	DATE
DWN	ER	1-11-78	E ENGR J. J.	2/10/78
CHK	G.D.	2/10/78	M ENGR	
E. C. CONTROL			MFG ENGR	

WANG LABORATORIES, INC. LOWELL, MASS. U.S.A.

MATERIAL

MODEL NO. 2282

SEE ENGRG SPECIFICATIONS No.

FINISH

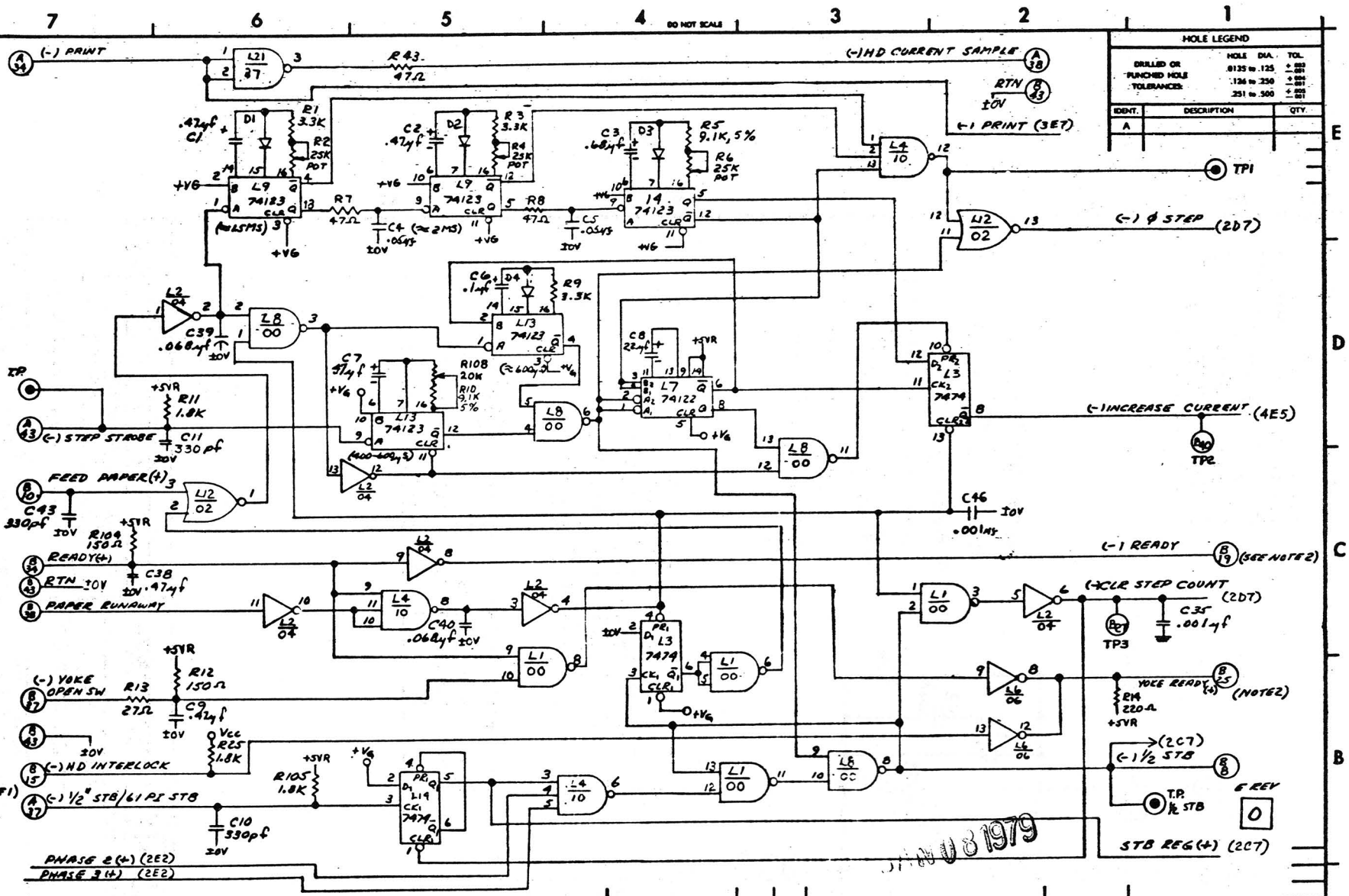
TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG ± 1°30' FINISH 125

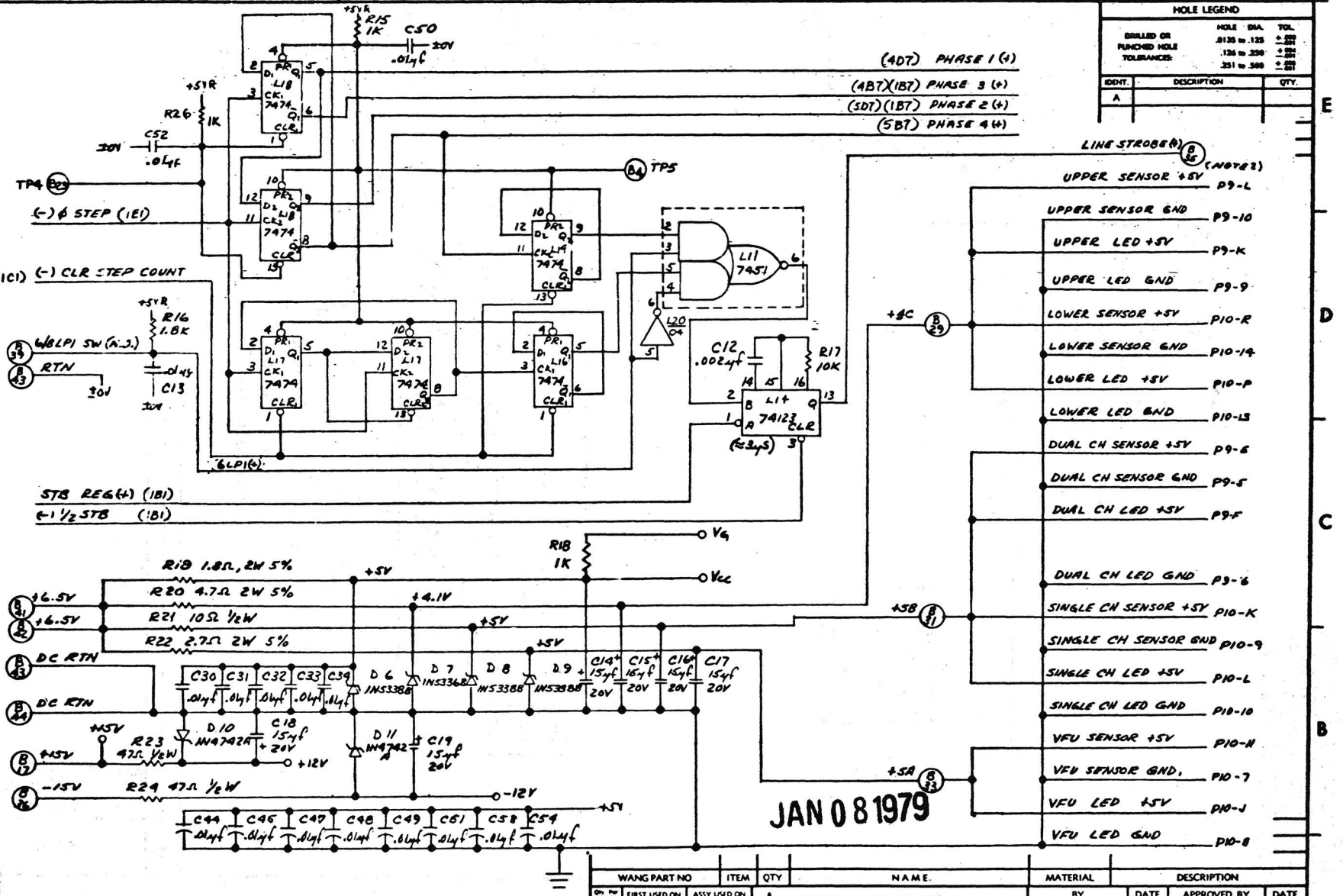
SCALE NONE SHT 1 OF 1

TITLE GRAPHICS TERM KEYBOARD

210-7370	C	7370	0
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

7370 C


(-) PRINT
(-)HD CURRENT SAMPLE
RTN
+10V
(-) PRINT (3E7)
HOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES:
HOLE DIA. TOL.
.0135 to .125 ±.003
.126 to .250 ±.004
.251 to .500 ±.005
IDENT. DESCRIPTION QTY
A
R43 47Ω
C1 .47µf
D1
R1 3.3K
R2 25K POT
C2 .47µf
D2
R3 3.3K
R4 25K POT
C3 .68µf
D3
R5 9.1K, 5%
R6 25K POT
L9 74123
R7 47Ω
R8 47Ω
C4 (≈2MS) .05µf
C5 .05µf
TP1
(-) ϕ STEP (2D7)
C6 .1µf
D4
R9 3.3K
L3 74123
C7 47µf
R108 20K (≈600µs)
R10 9.1K 5%
(400-600µs)
C8 22µf
L7 74122
+5VR
+V6
TP
(-) STEP STROBE
R11 1.8K
C11 330 pf
(-)INCREASE CURRENT (4E5)
TP2
FEED PAPER(+)
C43 330pf
R109 150Ω
C46 .001µf
READY(+)
RTN
PAPER RUNAWAY
C38 .47µf
(-) READY (SEE NOTE 2)
C40 .068µf
(-)CLR STEP COUNT (2D7)
C35 .001µf
TP3
(-) YOKE OPEN SW
R13 27Ω
R12 150Ω
C9 .47µf
YOKE READY (NOTE 2)
R14 220Ω
Vcc
R25 1.8K
(-) HD INTERLOCK
R105 1.8K
(NOTE 1)
(-) 1/2" STB/61 PI STB
C10 330pf
(2C7)
(-) 1/2 STB
T.P. 1/2 STB
E REV
0
STB REG(+) (2C7)
PHASE 2 (+) (2E2)
PHASE 3 (+) (2E2)
NOTES:
1 (-)61 PI STB FROM P9-J IS STANDARD INPUT SIGNAL. (-)1/2 STB FROM P10-F IS INPUT SIGNAL ON OPTIONAL 6/8 LPI UNITS.
2. APPLIES ONLY TO SYS. WITH ALARM STATUS PANELS.
REVISION
E EBA BP EK
DRAWN PER DWR # 378 APP'D 10-11-77 9-1-78
REVISED PER ECN # 7517 APP'D 8-2-78
REVISED PER ECN # 7704 APP'D 8-2-78
WANG PART NO. ITEM QTY NAME
WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.
MATERIAL
MODEL NO. 2263W
SEE ENGRG SPECIFICATIONS No.
FINISH
TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH √
SCALE H SHT 1 OF 6
MATERIAL DESCRIPTION
BY DATE APPROVED BY DATE
DWN EBA 9-9-77
CHK J.V. 9-2-78
E C CONTROL E ENGR M ENGR MFG ENGR
TITLE 12012 PAPER/RIBBON CONTROL
210-7380 C 7380 2
WANG PART NUMBER SIZE DRAWING NUMBER REV
7380 C



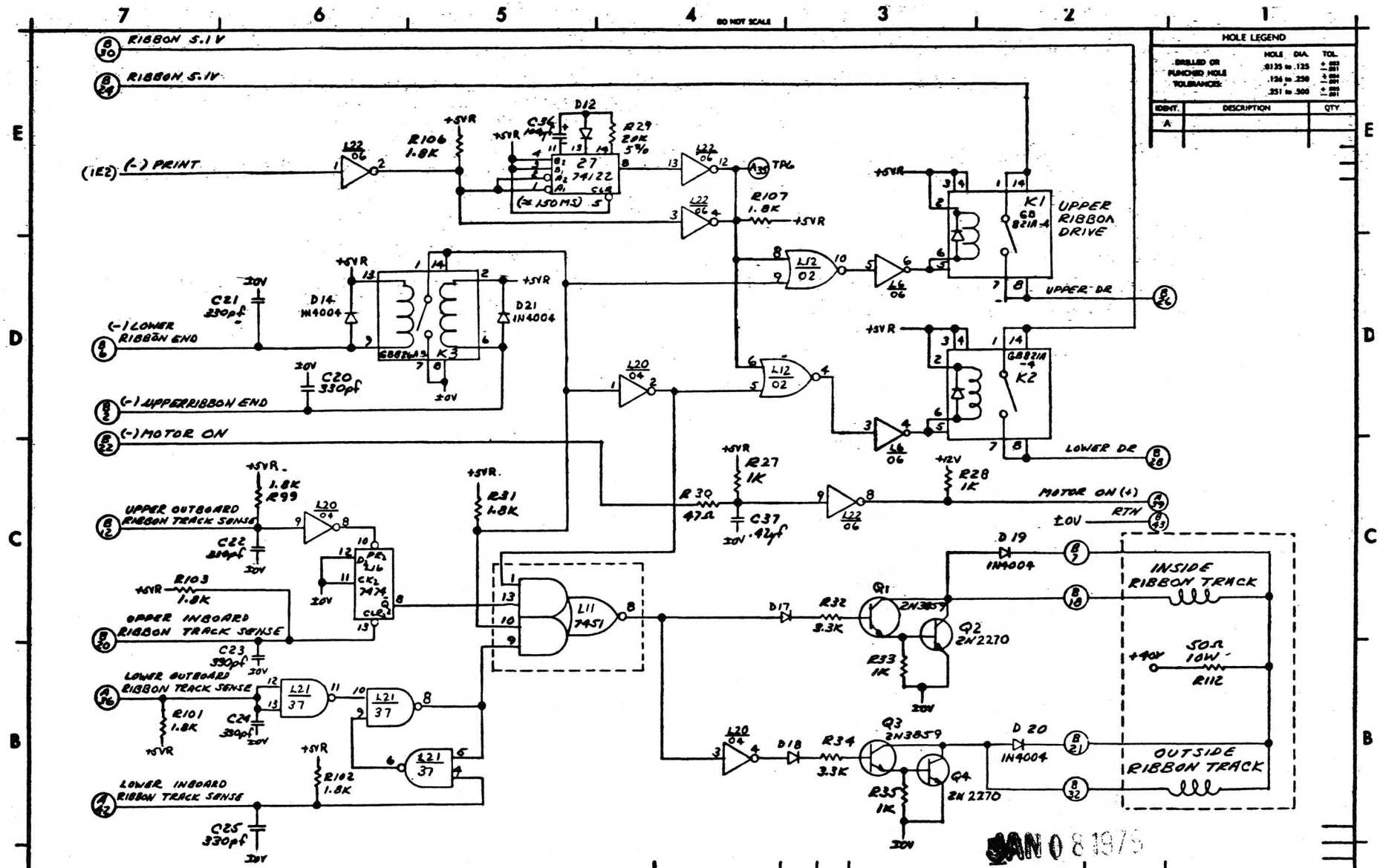
HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA. .0135 to .125	TOL. ±.002
	.126 to .250	±.003
	.251 to .500	±.005

IDENT.	DESCRIPTION	QTY.
A		

REVISION	BY	DATE
SEE SHEET 1		

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
Qty Per Unit / FIRST USED ON / ASSY USED ON			WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.	BY / DATE / APPROVED BY / DATE	
				DWN EBA 7-9-77 / E ENGR	
				CHK / M ENGR	
				E C CONTROL / MFG ENGR	
			MATERIAL	MODEL NO 2263 W	TITLE 12012
				SEE ENGRG SPECIFICATIONS No.	PAPER/RIBBON CONTROL
			FINISH	TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH 125	210-7380 / C / 7380 / 2
				SCALE 1/1 SHT 2 OF 6	WANG PART NUMBER / SIZE / DRAWING NUMBER / REV

7380 C



HOLE LEGEND			
		HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES:		.0135 to .125	± .003 / — .001
		.126 to .250	± .004 / — .001
		.251 to .500	± .005 / — .001

IDENT.	DESCRIPTION	QTY.
A		

REVISION			

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
QTY PER UNIT	FIRST USED ON	ASSY USED ON			

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	GBA	9-12-77	E ENGR	
CHK			M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL

MODEL NO 2263W

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL EX AS NOTED
XX ± .010 FRAC ± 1/64
XXX ± .005 ANG ± 1° 30' FINISH √

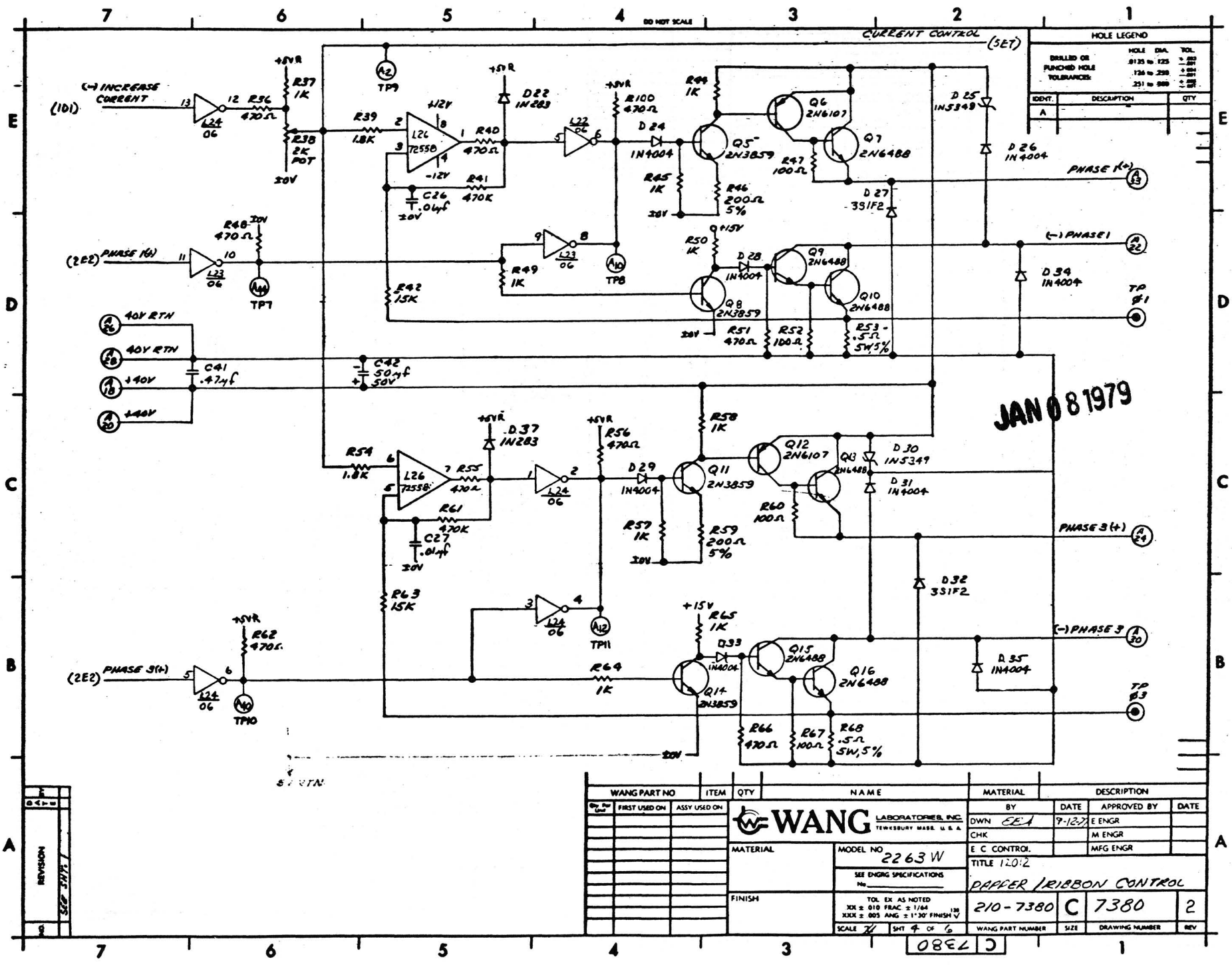
SCALE 7L | SHT 3 OF 6

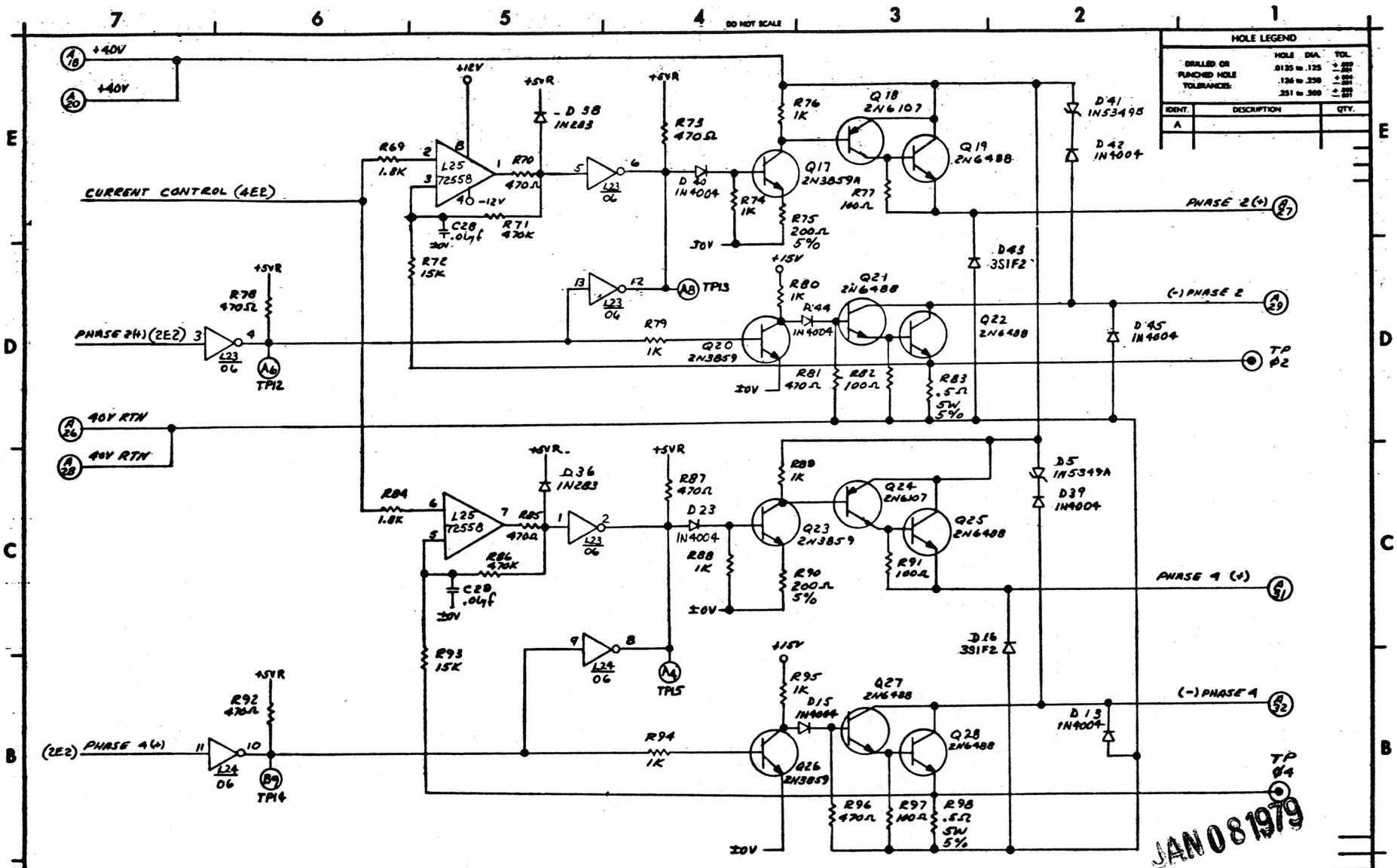
TITLE 12012

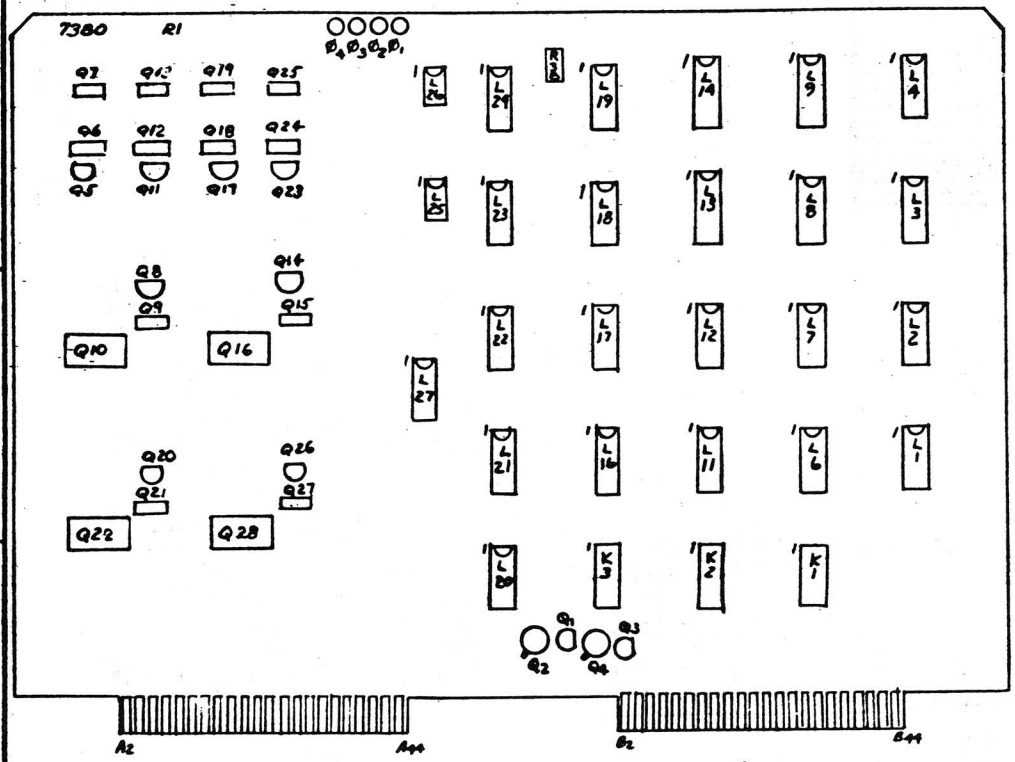
PAPER/RIBBON CONTROL

210-7380	C	7380	2
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

7380 C


CURRENT CONTROL (SET)
(-) INCREASE CURRENT
(101)
+5VR
R37 1K
R36 470Ω
R38 2K POT
-10V
TP9
R39 1.8K
L26 72558
+12V
-12V
R40 470Ω
R41 470K
C26 .04μf
D22 IN283
R100 470Ω
D24 IN4004
R99 1K
Q6 2N6107
Q5 2N3859
Q7 2N6488
R47 100Ω
R45 1K
R46 200Ω 5%
D25 IN5349
D26 IN4004
PHASE K(+)
D27 3S1F2
(2E2) PHASE K(-)
R48 470Ω
TP7
R49 1K
TP8
R50 1K
+15V
D28 IN4004
Q9 2N6488
Q8 2N3859
Q10 2N6488
R42 15K
R51 470Ω
R52 100Ω
R53 .5Ω 5W,5%
(-) PHASE 1
D34 IN4004
TP Ø1
40V RTN
40V RTN
+40V
+40V
C41 .47μf
C42 50μf 50V
JAN 08 1979
R54 1.8K
L26 72558
R55 470Ω
R61 470K
C27 .01μf
D37 IN283
R56 470Ω
D29 IN4004
R58 1K
Q12 2N6107
Q11 2N3859
Q13 2N6488
D30 IN5349
D31 IN4004
R60 100Ω
R57 1K
R59 200Ω 5%
PHASE 3 (+)
D32 3S1F2
R63 15K
TP11
R62 470Ω
(2E2) PHASE 3(+)
TP10
R65 1K
D33 IN4004
Q15 2N6488
Q14 2N3859
Q16 2N6488
R64 1K
(-) PHASE 3
D35 IN4004
TP Ø3
R66 470Ω
R67 100Ω
R68 .5Ω 5W,5%
-10V
5V RTN
HOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES:
HOLE DIA.
.0135 to .125
.126 to .250
.251 to .500
TOL.
IDENT. | DESCRIPTION | QTY
A
REVISION
SEE SHT 1
WANG PART NO | ITEM | QTY | NAME | MATERIAL | DESCRIPTION
FIRST USED ON | ASSY USED ON
WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.
BY | DATE | APPROVED BY | DATE
DWN EEA | 9-12-77 | E ENGR
CHK | M ENGR
E C CONTROL | MFG ENGR
MATERIAL
MODEL NO 2263W
SEE ENGRG SPECIFICATIONS No.
TITLE 12012
PAPER/RIBBON CONTROL
FINISH
TOL EX AS NOTED
XX ± 010 FRAC ± 1/64
XXX ± 005 ANG ± 1°30' FINISH 125
210-7380 | C | 7380 | 2
SCALE 1/1 | SHT 4 OF 6 | WANG PART NUMBER | SIZE | DRAWING NUMBER | REV
0867 | 7380 | C


+40V
+40V
CURRENT CONTROL (4E2)
PHASE 2(+)
(-) PHASE 2
TP Ø2
40V RTN
40V RTN
PHASE 4 (+)
(2E2) PHASE 4(+)
(-) PHASE 4
TP Ø4
TP12
TP13
TP15
TP14
+5VR
+12V
-12V
+15V
±0V
L25 72558
L23 06
L24 06
R69 1.8K
R70 470Ω
R71 470K
C28 .04μf
R72 15K
R73 470Ω
R74 1K
R75 200Ω 5%
R76 1K
R77 100Ω
R78 470Ω
R79 1K
R80 1K
R81 470Ω
R82 100Ω
R83 .5Ω 5W 5%
R84 1.8K
R85 470Ω
R86 470K
C29 .04μf
R87 470Ω
R88 1K
R90 200Ω 5%
R91 100Ω
R92 470Ω
R93 15K
R94 1K
R95 1K
R96 470Ω
R97 MΩ
R98 .5Ω 5W 5%
D38 IN283
D36 IN283
D23 IN4004
D40 IN4004
D44 IN4004
D45 IN4004
D39 IN4004
D15 IN4004
D13 IN4004
D41 IN5349B
D42 IN4004
D43 3SIF2
D5 IN5349A
D16 3SIF2
Q17 2N3859A
Q18 2N6107
Q19 2N6488
Q20 2N3859
Q21 2N6488
Q22 2N6488
Q23 2N3859
Q24 2N6107
Q25 2N6488
Q26 2N3859
Q27 2N6488
Q28 2N6488
HOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES:
HOLE DIA.
.0135 to .125
.126 to .250
.251 to .500
IDENT
DESCRIPTION
QTY.
A
DO NOT SCALE
WANG PART NO
ITEM
QTY
NAME
MATERIAL
DESCRIPTION
Qty. Per Unit
FIRST USED ON
ASSY USED ON
WANG LABORATORIES, INC.
TEWKSBURY, MASS. U.S.A.
BY
DATE
APPROVED BY
DATE
DWN EBA 9-9-77
CHK
E ENGR
M ENGR
E C CONTROL
MFG ENGR
MODEL NO 2263W
SEE ENGRG. SPECIFICATIONS No.
TITLE 12012
PAPER RIBBON CONTROL
FINISH
TOL EX AS NOTED
XX ± .010 FRAC ± 1/64
XXX ± .005 ANG ± 1°30' FINISH √
SCALE 1/1
SHT 5 OF 6
210-7380
C
7380
2
WANG PART NUMBER
SIZE
DRAWING NUMBER
REV
REVISION
SEE SHEET 1
JAN 08 1979
7380 D



COMPONENT	W.L. PT. NO
C14-19	300-4022
C36	300-3011
C89,40	300-1939
C42	300-3010
C7	300-4002
D1-4, 17, 18, 12	380-1001
D 6,8,9	380-2137
D 7	380-2136
D 10,11	380-2121
D 13-15, 19-21, 23, 24, 26, 28, 29, 31, 33-35, 39, 40, 42, 44, 45	380-4000
D 22, 36-38	380-0001
D3, 25 30, 41,	380-2138
D 16, 27, 32, 43	380-3012
Q1,3,5,8,11,14,17,20,23,26	375-1060
Q2,4	375-1009
Q6,12,18,24	375-1058
Q7,9,10,13,15,16,19,21,22,25,27,28	375-1054
K1,2	320-0059
K3	320-0060

COMPONENT	W.L.PT NO
R1,3, 9,32,34	330-3033
R2,4,6 -	336-1016
R5,10	330-3092
R7,8,30,43	330-1047
R11,16,25,31,39,54,69,84,99, 101-103, 105-107	330-3018
R12,104	330-2015
R13	330-1027
R14	330-2022
R15,18,26-28,33,35,37,44,46,49,50,57,58,64,65,74,76,79,80,88,89,94,95	330-3010
R17	330-4010
R19	337-0018
R20	337-0048
R21	331-1010
R22	337-0028
R23,24	331-1047
R36,40,48,51,55,56,62,66,70,73,78,81,85,87,92,96,100	330-2047
R38	336-0036
R41,61,71,86	330-5047
R42,63,72,93	330-4015
R46,59,75,90	330-2020
R47,52,60,67,77,82,91,97	330-2010
R53,68,83,98	334-0028
R29	330-4021
R108	336-0028
C1,2,6	300-4001
C3	300-4011
C4,5	300-1938
C8	300-4027
C9,37,38,41	300-1935
C10,20-25,43,11	300-1330
C35,46	300-1906
C12	300-1913
C13,26-34,44,45,47-54	300-1903

LOCATION	W.L. PT.NO	GND	Vcc
L1,8	376-0002	7	14
L2,20	376-0010	7	14
L3,16,-19	376-0006	7	14
L4	376-0003	7	14
L6,22,23,24	376-0055.	7	14
L7,21,	376-0268	7	14
L9,13,14	376-0080	8	16
L11	376-0012	7	14
L12	376-0016	7	14
L21	376-0068	7	14
L25,26	376-0265	—	—

SPARES		
LOCAT.	W.L.PT. NO	SP.
L6	7406	2
L20	7409	2
L22	7406	1

HOLE LEGEND		
	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	±.003
	.126 to .250	±.004
	.251 to .500	±.005

IDENT.	DESCRIPTION	QTY.
A		

WANG PART NO	ITEM	QTY	NAME
ON PW	FIRST USED ON	ASSY USED ON	

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL		MODEL NO 2263W
		SEE ENGNG SPECIFICATIONS No.
FINISH		TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH √
SCALE 2/1	SHT 6 OF 6	

MATERIAL	DESCRIPTION			
BY	DATE	APPROVED BY	DATE	
DWN EGH	9-16-71	E ENGR		
CHK		M ENGR		
E C CONTROL		MFG ENGR		

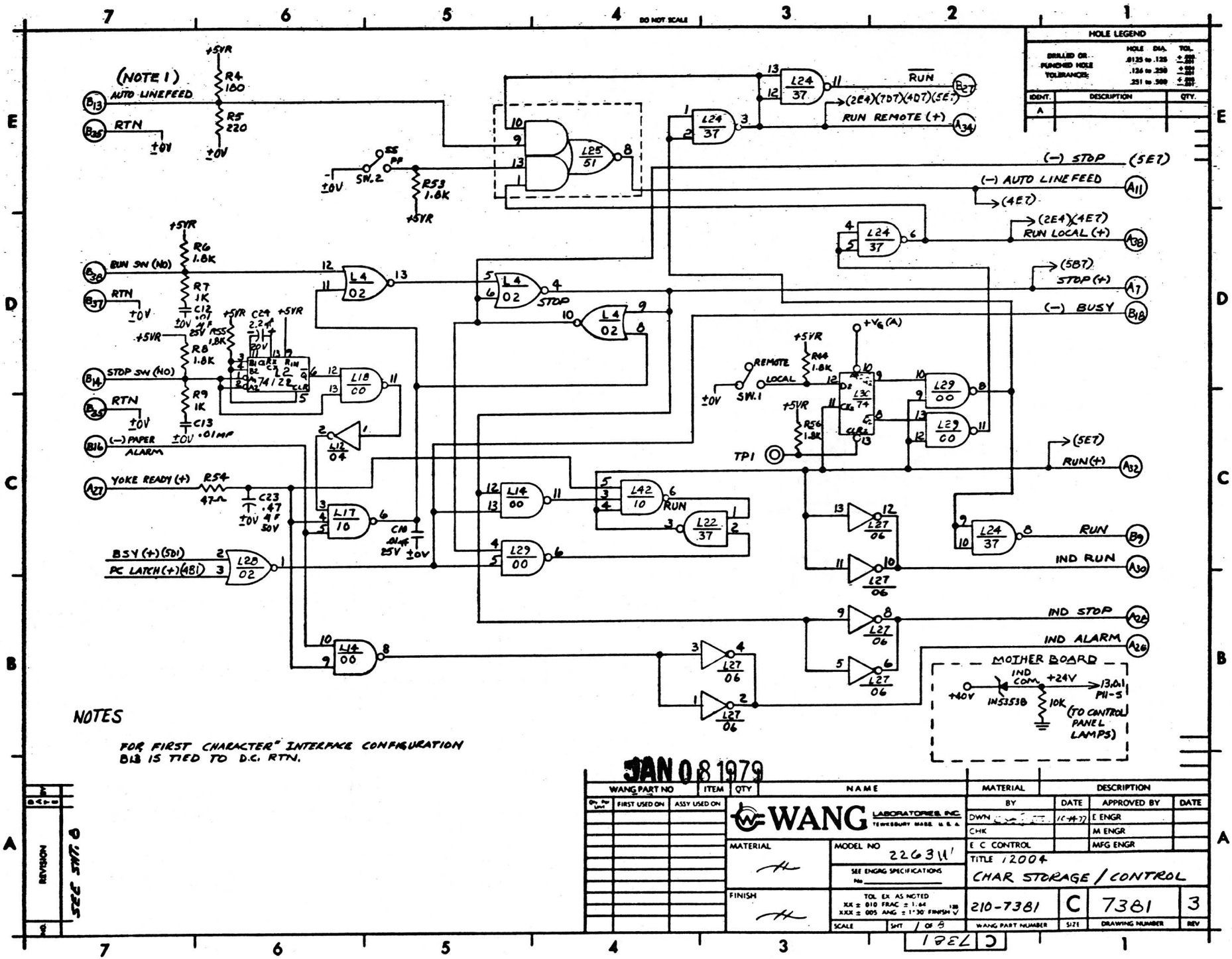
TITLE 12012 PAPER/RIBBON CONTROL

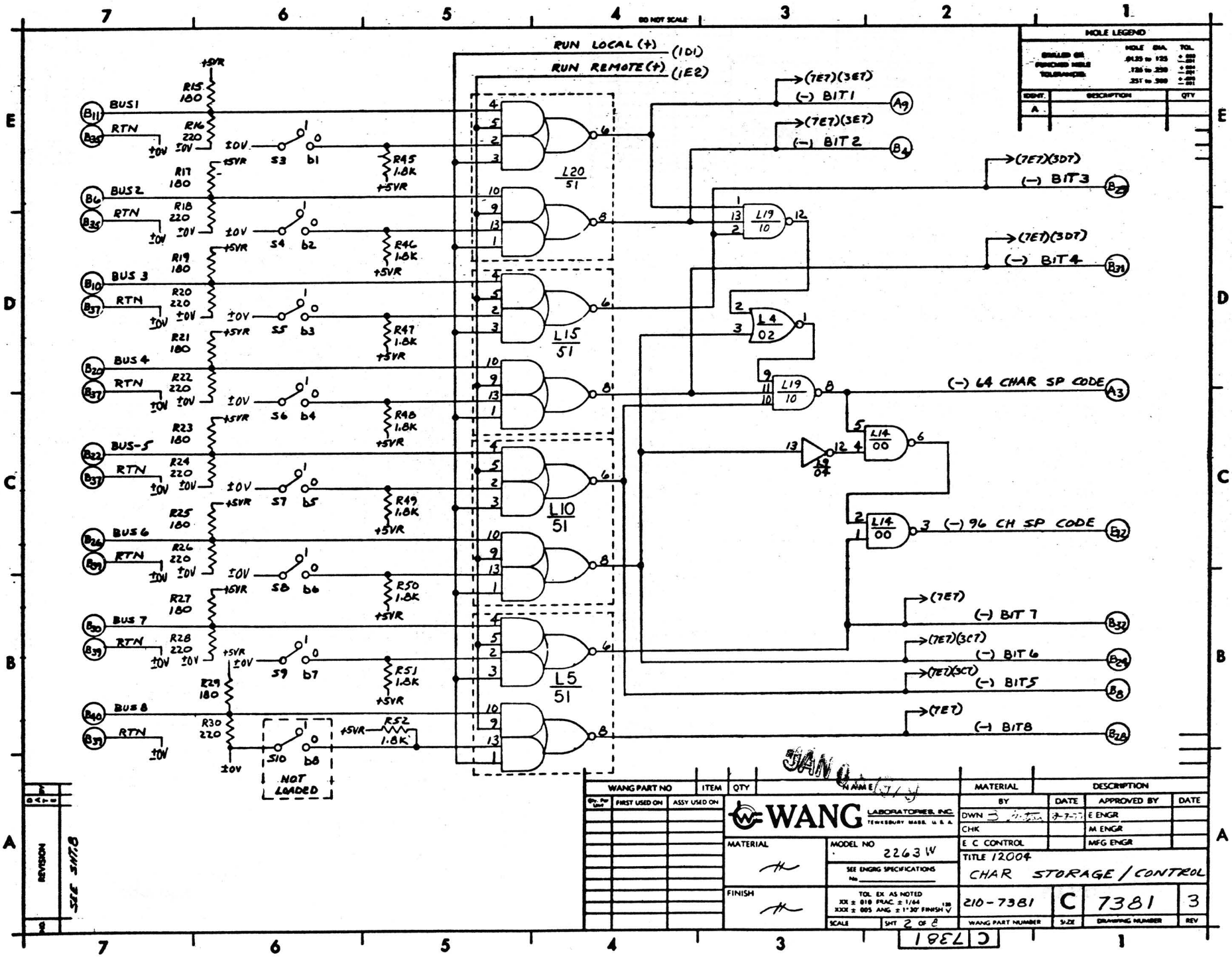
210-7380	C	7380	2
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

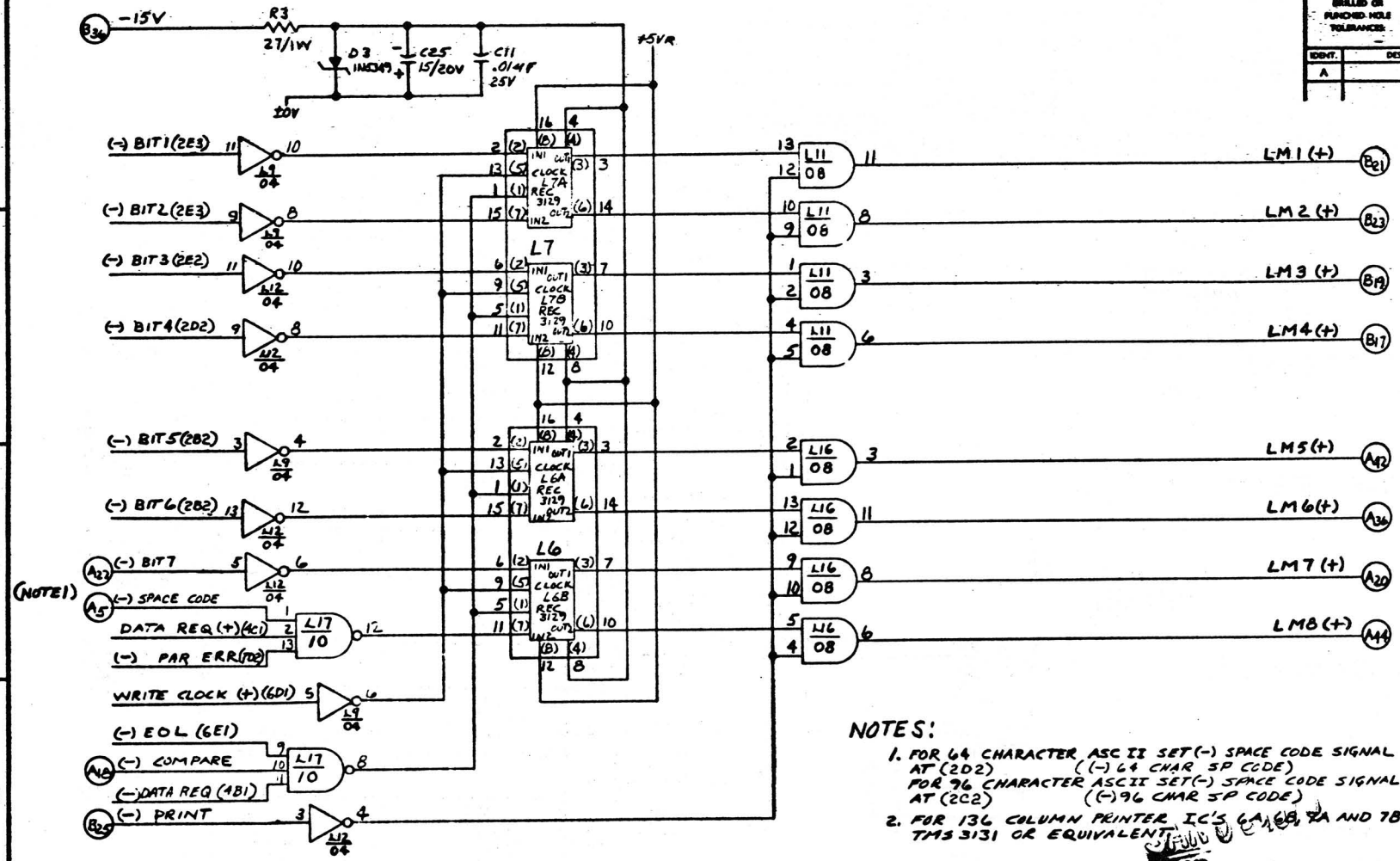
REVISION	DATE	BY
SEE SHEET 1		

DO NOT SCALE

080 C


(NOTE 1)
AUTO LINEFEED
RTN
+5VR
R4 100
R5 220
SS PP
SW.2
R53 1.8K
RUN
(2E4)(7D7)(4D7)(5E7)
RUN REMOTE (+)
(-) STOP (5E7)
(-) AUTO LINEFEED
(4E7)
(2E4)(4E7)
RUN LOCAL (+)
(5B7)
STOP (+)
(-) BUSY
RUN SW (NO)
R6 1.8K
RT 1K
C12 .01
STOP SW (NO)
R8 1.8K
R9 1K
C13 .01MF
(-) PAPER ALARM
YOKE READY (+)
R54 47Ω
C23 .47
BSY (+)(5D1)
PC LATCH (+)(4B1)
C24 2.2MF
R55 1.8K
C10 .01MF
STOP
REMOTE
LOCAL
SW.1
R44 1.8K
R56 1.8K
TP1
+V6 (A)
(SET)
RUN (+)
RUN
IND RUN
IND STOP
IND ALARM
MOTHER BOARD
IND COM
+24V
+40V
IN5353B
10K
(TO CONTROL PANEL LAMPS)
NOTES
FOR FIRST CHARACTER" INTERFACE CONFIGURATION
B18 IS TIED TO D.C. RTN.
HOLE LEGEND
IDENT.
DESCRIPTION
QTY.
JAN 08 1979
WANG LABORATORIES INC.
MATERIAL
MODEL NO 226311'
SEE ENGRG SPECIFICATIONS
FINISH
TOL EX AS NOTED
SCALE
SHT 1 OF 3
DESCRIPTION
BY
DATE
APPROVED BY
DWN
CHK
E ENGR
E C CONTROL
M ENGR
MFG ENGR
TITLE 12004
CHAR STORAGE / CONTROL
210-7381
C
7381
3
WANG PART NUMBER
SIZE
DRAWING NUMBER
REV
SEE SHT 3
REVISION


RUN LOCAL (+) (101)
RUN REMOTE (+) (1E2)
BUS1
BUS2
BUS 3
BUS 4
BUS-5
BUS 6
BUS 7
BUS 8
RTN
+5VR
±0V
S3 b1
S4 b2
S5 b3
S6 b4
S7 b5
S8 b6
S9 b7
S10 b8
NOT LOADED
L20/51
L15/51
L10/51
L5/51
L19/10
L4/02
L14/00
L9/07
(7E7)(3E7) (-) BIT 1
(7E7)(3E7) (-) BIT 2
(7E7)(3D7) (-) BIT 3
(7E7)(3D7) (-) BIT 4
(-) L4 CHAR SP CODE
(-) 96 CH SP CODE
(7E7) (-) BIT 7
(7E7)(3C7) (-) BIT 6
(7E7)(5C7) (-) BIT 5
(7E7) (-) BIT 8
MOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES
HOLE DIA TOL
.0135 to .125 ±.002
.126 to .250 ±.003
.251 to .500 ±.004
IDENT. DESCRIPTION QTY
A
DO NOT SCALE
WANG PART NO ITEM QTY NAME
FIRST USED ON ASSY USED ON
WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.
MATERIAL
MODEL NO 2263W
SEE ENGRG SPECIFICATIONS No.
FINISH
TOL EX AS NOTED
XX ± .010 FRAC ± 1/64
XXX ± .005 ANG ± 1°30' FINISH √
SCALE SHT 2 OF 8
MATERIAL DESCRIPTION
BY DATE APPROVED BY DATE
DWN 3-7-77 E ENGR
CHK M ENGR
E C CONTROL MFG ENGR
TITLE 12004
CHAR STORAGE / CONTROL
210-7381 C 7381 3
WANG PART NUMBER SIZE DRAWING NUMBER REV
7381 C
REVISIONS
SEE SHT 8



HOLE LEGEND

IDENT.	DESCRIPTION	QTY.
A		

NOTES:

1. FOR 64 CHARACTER ASC II SET (-) SPACE CODE SIGNAL ORIGINATES AT (2D2) ((-) 64 CHAR SP CODE)
   FOR 96 CHARACTER ASCII SET (-) SPACE CODE SIGNAL ORIGINATES AT (2C2) ((-) 96 CHAR SP CODE)
2. FOR 136 COLUMN PRINTER IC'S L6A, L6B, L7A AND L7B MUST BE TMS 3131 OR EQUIVALENT.

WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		

BY	DATE	APPROVED BY	DATE
DWN	7-7-77	E ENGR	
CHK		M ENGR	
E C CONTROL		MFG ENGR	

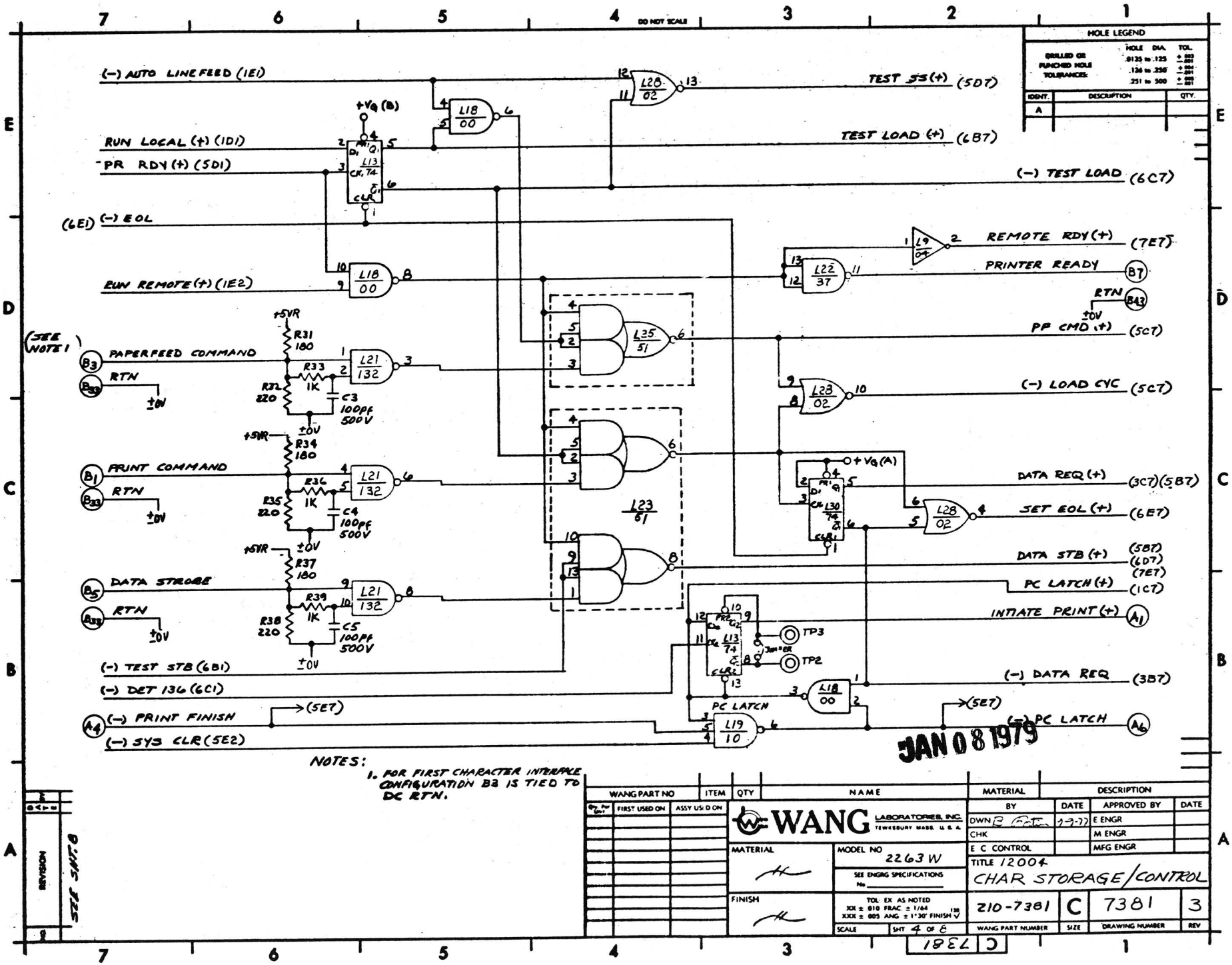
MODEL NO 2263
SEE ENGRG SPECIFICATIONS No.
TOL EX AS NOTED
XX ± .010 FRAC ± 1/64
XXX ± .005 ANG ± 1°30' FINISH √
SCALE
SHT 3 OF 8

TITLE 12004
CHAR STORAGE/CONTROL

210-7381	C	7381	2
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

1827 D

REVISIONS — SEE SHT 8



NOTES:
1. FOR FIRST CHARACTER INTERFACE CONFIGURATION B3 IS TIED TO DC RTN.

HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA. .0135 to .125 / .126 to .250 / .251 to .500	TOL. ±.002 / ±.003 / ±.004
IDENT.	DESCRIPTION	QTY.
A		

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.		

BY	DATE	APPROVED BY	DATE
DWN	9-7-77	E ENGR	
CHK		M ENGR	
E C CONTROL		MFG ENGR	

MATERIAL — MODEL NO 2263W — SEE ENGRG SPECIFICATIONS No.

FINISH — TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH 125

SCALE — SHT 4 OF 6

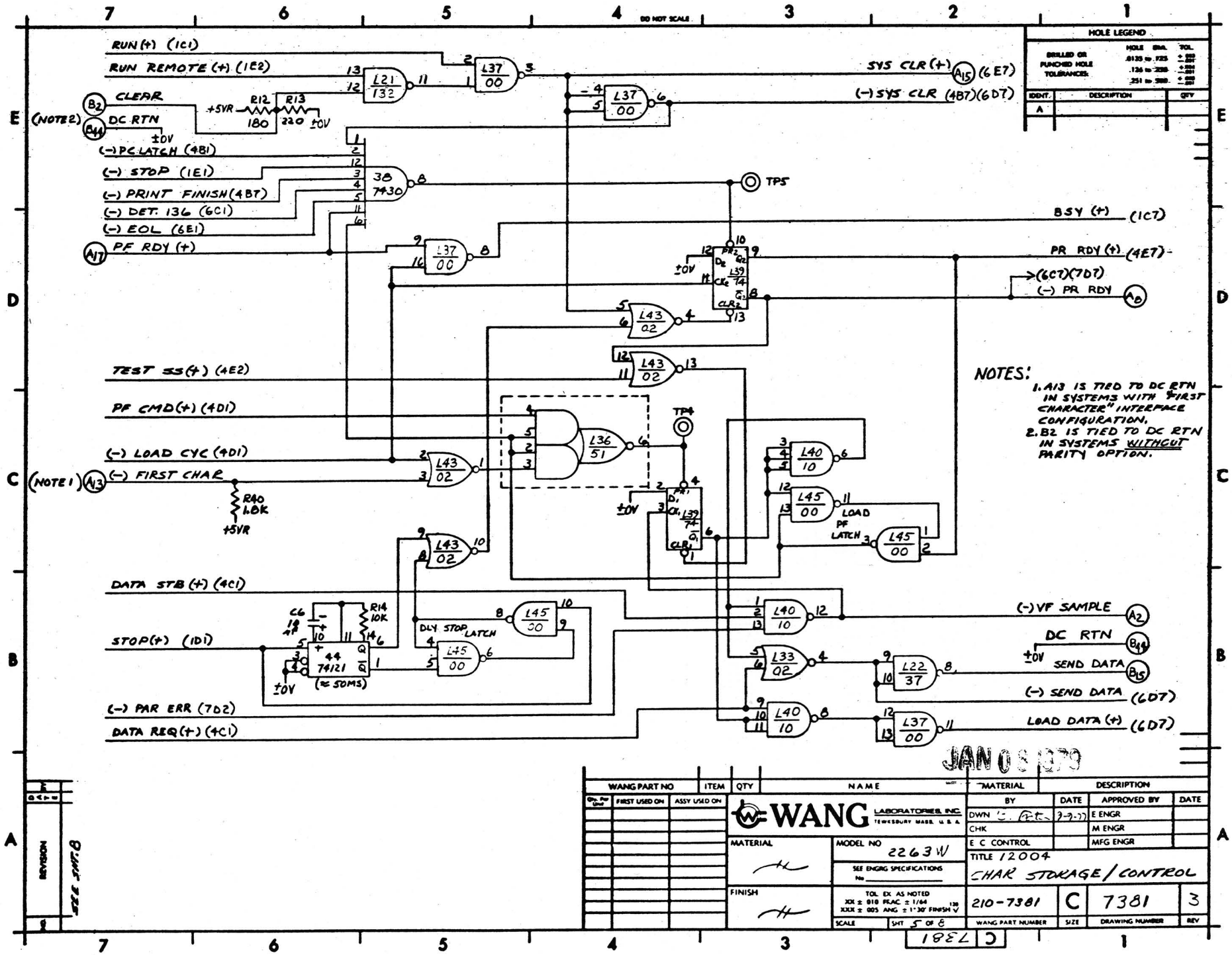
TITLE 12004 CHAR STORAGE/CONTROL

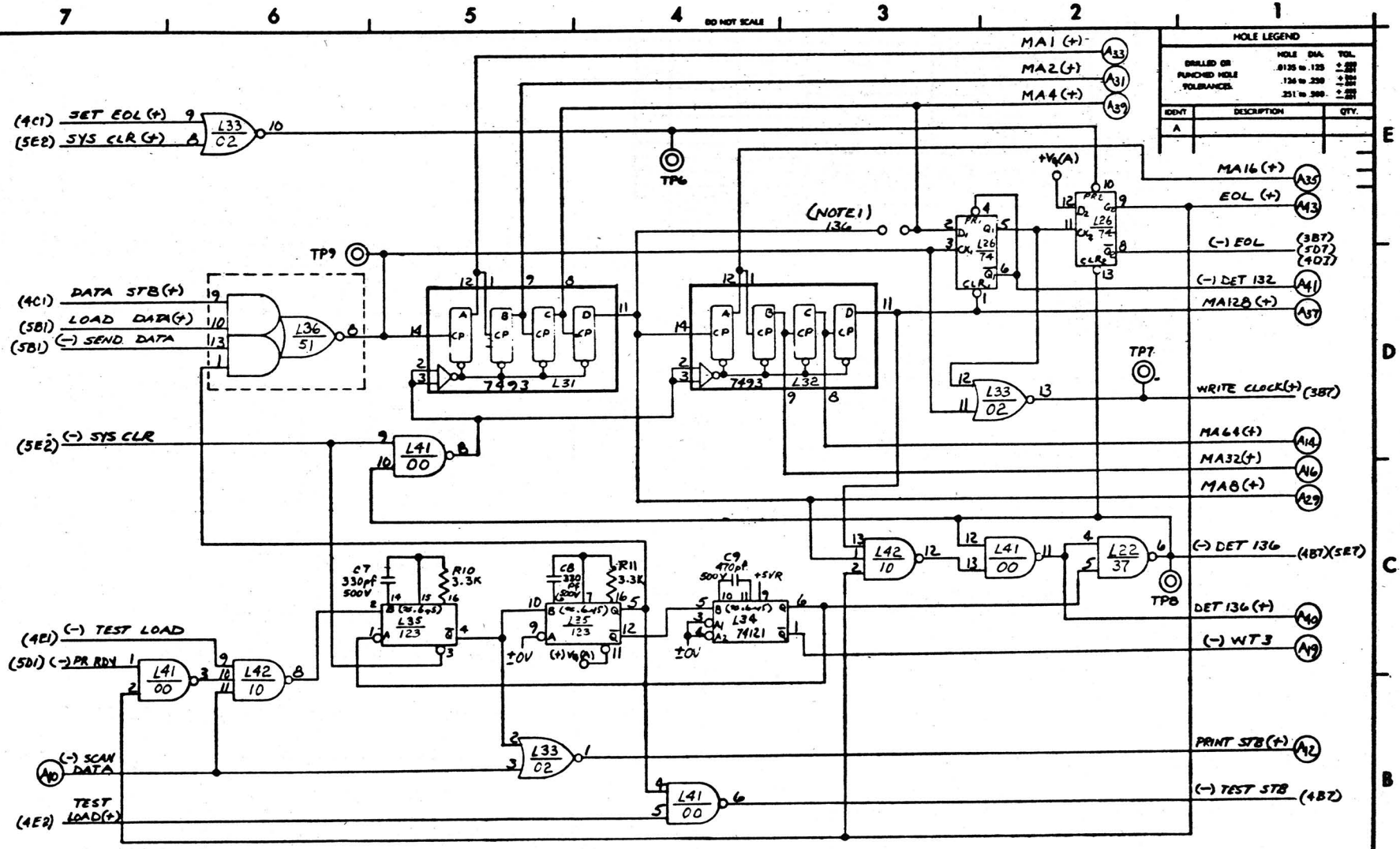
210-7381	C	7381	3
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

7381 C

NEXT ASSY

SIZE SHT'S


RUN (+) (1C1)
RUN REMOTE (+) (1E2)
CLEAR
(NOTE 2) B2
DC RTN B44
±0V
+5VR
R12 180
R13 220 ±0V
(-) PC LATCH (4B1)
(-) STOP (1E1)
(-) PRINT FINISH (4B7)
(-) DET. 136 (6C1)
(-) EOL (6E1)
A17 PF RDY (+)
SYS CLR (+) A15 (6E7)
(-) SYS CLR (4B7)(6D7)
TP5
BSY (+) (1C7)
PR RDY (+) (4E7)
(6C7)(7D7)
(-) PR RDY A8
TEST SS (+) (4E2)
PF CMD (+) (4D1)
(-) LOAD CYC (4D1)
(NOTE 1) A13 (-) FIRST CHAR
R40 1.0K +5VR
TP4
LOAD PF LATCH
DATA STB (+) (4C1)
STOP (+) (1D1)
C6 18 mf
R14 10K
DLY STOP LATCH
(≈ 50MS)
(-) VF SAMPLE A2
DC RTN B44
±0V
SEND DATA B15
(-) SEND DATA (6D7)
LOAD DATA (+) (6D7)
(-) PAR ERR (7D2)
DATA REQ (+) (4C1)
NOTES:
1. A13 IS TIED TO DC RTN IN SYSTEMS WITH "FIRST CHARACTER" INTERFACE CONFIGURATION.
2. B2 IS TIED TO DC RTN IN SYSTEMS WITHOUT PARITY OPTION.
HOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES
IDENT. DESCRIPTION QTY
A
DO NOT SCALE
WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.
MATERIAL DESCRIPTION
BY DATE APPROVED BY DATE
DWN 7-7-77 E ENGR
CHK M ENGR
E C CONTROL MFG ENGR
MODEL NO 2263W
SEE ENGRG SPECIFICATIONS
FINISH
TOL EX AS NOTED
SCALE SHT 5 OF 8
TITLE 12004
CHAR STORAGE / CONTROL
210-7381 C 7381 3
WANG PART NO SIZE DRAWING NUMBER REV
1827 D
REVISION
SEE SHT 8



NOTES:

1. FOR 136 COLUMN PRINTER: INPUT SIGNAL MA4(+) MUST BE REMOVED FROM IC 26 PIN 2 AND REPLACED WITH JUMPER TO SIGNAL MA8(+).

HOLE LEGEND

IDENT	DESCRIPTION	QTY.
A		

DRILLED OR PUNCHED HOLE TOLERANCES

HOLE DIA.	TOL.
.0135 to .125	±.003
.126 to .250	±.004
.251 to .500	±.005

WANG PART NO	ITEM	QTY	NAME
			WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.

MATERIAL	DESCRIPTION

BY	DATE	APPROVED BY	DATE
DWN B. Cote	9-2-74	E ENGR	
CHK		M ENGR	
E C CONTROL		MFG ENGR	

MATERIAL

MODEL NO 2263W

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH √

SCALE SHT 1 OF 8

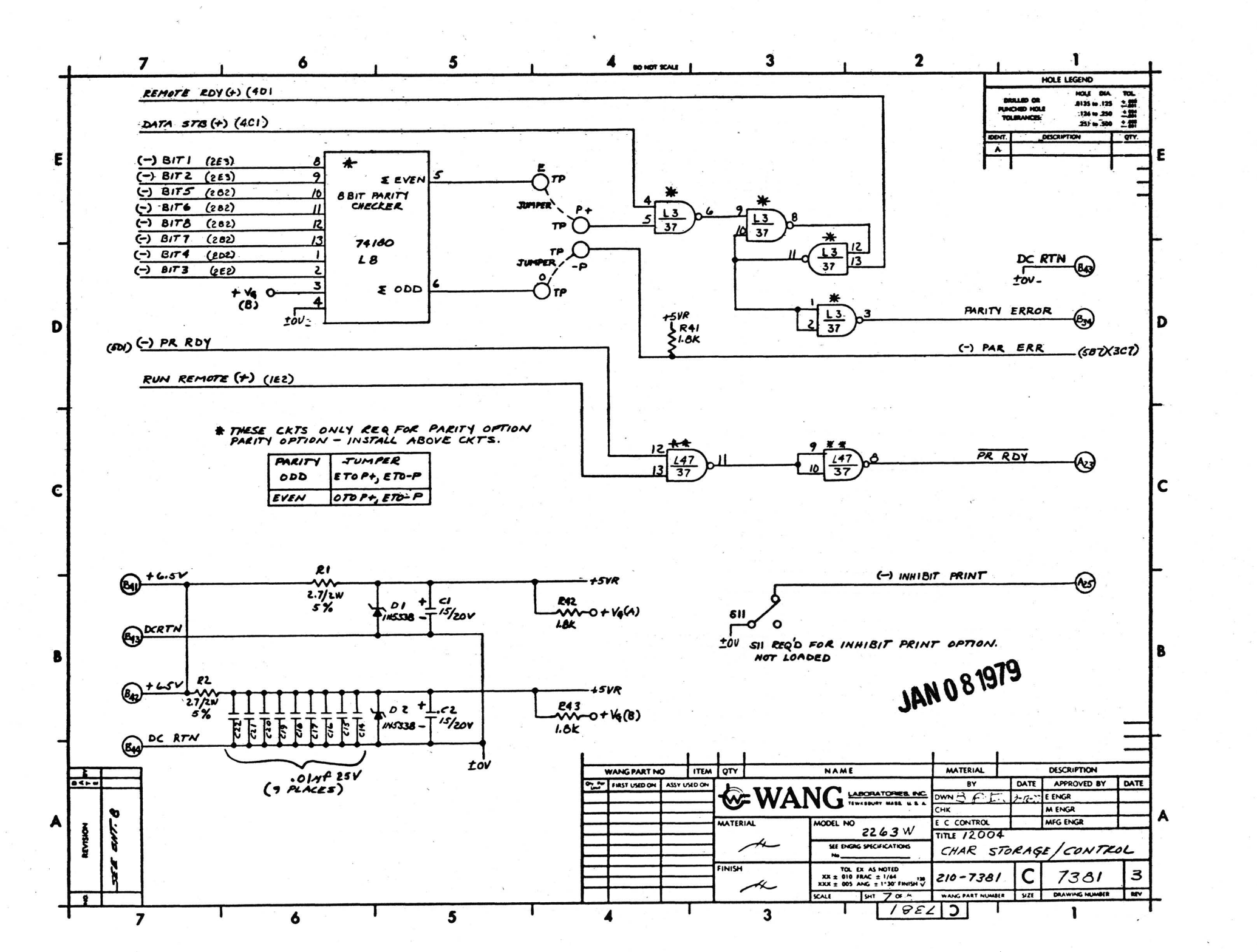
TITLE 12004 CHAR STORAGE/CONTROL

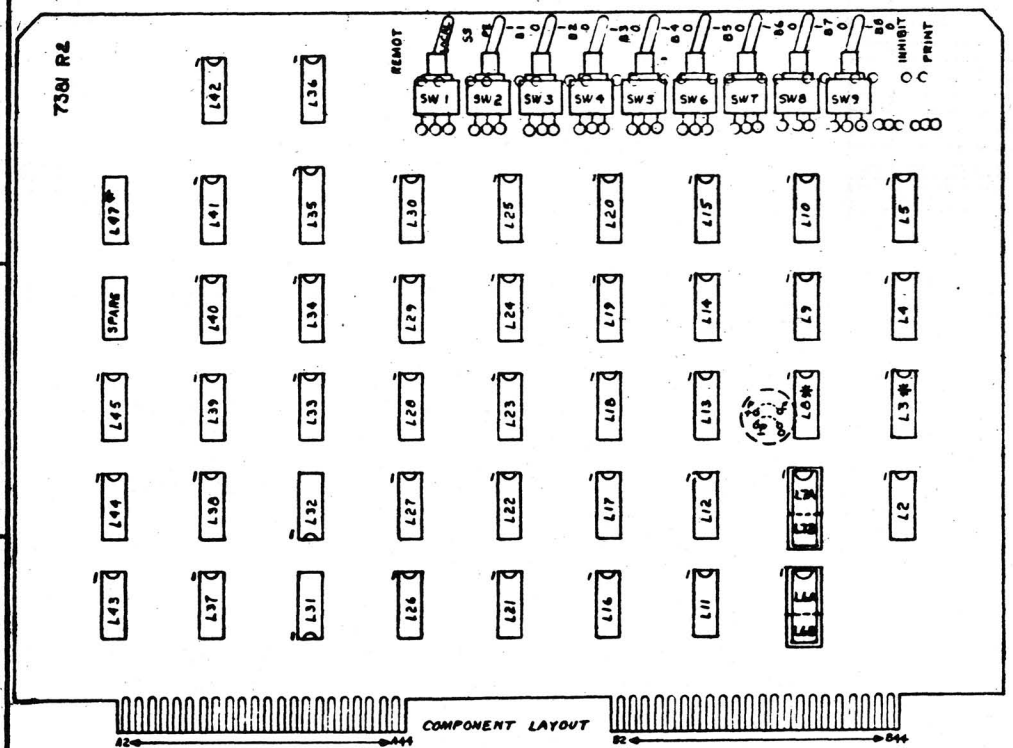
210-7381 | C | 7381 | 3

WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

18E2 D

NO	REVISION	BY
A		
B		
C		
D		


REMOTE RDY (+) (4D1
DATA STB (+) (4C1)
(-) BIT 1 (2E3)
(-) BIT 2 (2E3)
(-) BIT 5 (2B2)
(-) BIT 6 (2B2)
(-) BIT 8 (2B2)
(-) BIT 7 (2B2)
(-) BIT 4 (2D2)
(-) BIT 3 (2E2)
+V8 (8)
±0V
Σ EVEN
8 BIT PARITY CHECKER
74180
L8
Σ ODD
TP
JUMPER
P+
-P
L37
L3
+5VR
R41
1.8K
DC RTN
±0V
PARITY ERROR
B34
(-) PAR ERR
(5B7)(3C7)
(5D1) (-) PR RDY
RUN REMOTE (+) (1E2)
L47
PR RDY
A23
* THESE CKTS ONLY REQ FOR PARITY OPTION
PARITY OPTION - INSTALL ABOVE CKTS.
PARITY | JUMPER
ODD | E TO P+, E TO -P
EVEN | O TO P+, E TO -P
+6.5V
B41
R1
2.7/1W
5%
D1
IN5338
C1
15/20V
+5VR
R42
1.8K
+V8(A)
DCRTN
B43
+6.5V
B42
R2
2.7/2W
5%
C22
C21
C20
C19
C18
C17
C16
C15
C14
D2
IN5338
C2
15/20V
+5VR
R43
1.8K
+V8(8)
DC RTN
B44
.01μf 25V
(9 PLACES)
±0V
(-) INHIBIT PRINT
A25
S11
±0V
S11 REQ'D FOR INHIBIT PRINT OPTION.
NOT LOADED
JAN 08 1979
HOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES:
HOLE DIA. | TOL.
.0135 to .125 | ±.005
.126 to .250 | ±.004
.251 to .500 | ±.003
IDENT. | DESCRIPTION | QTY.
A
DO NOT SCALE
WANG PART NO | ITEM | QTY | NAME
ON HAND | FIRST USED ON | ASSY USED ON
WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.
MATERIAL
FINISH
MODEL NO 2263W
SEE ENGRG SPECIFICATIONS No.
TOL EX AS NOTED
XX ± .010 FRAC ± 1/64
XXX ± .005 ANG ± 1°30' FINISH √
SCALE | SHT 7 OF M
MATERIAL | DESCRIPTION
BY | DATE | APPROVED BY | DATE
DWN | E ENGR
CHK | M ENGR
E C CONTROL | MFG ENGR
TITLE 12004
CHAR STORAGE/CONTROL
210-7381 | C | 7381 | 3
WANG PART NUMBER | SIZE | DRAWING NUMBER | REV
REVISION
SEE SHT 8
1787 D



LOCATION	W.L. PART NO.	TYPE
L2	376-0268	74122
L3*,22,24,47*	376-0068	7437
L4,28,33,43	376-0016	7402
L5,10,15,20,23,25,36	376-0012	7451
L6A,6B,7A,7B	376-0143	TMS 3129
L8*	376-0050	74180
L1,12	376-0010	7404
L11,16	376-0081	7408
L13,26,30,39	376-0006	7474
L14,18,29,37,41,45	376-0002	7400
L17,19,40,42	376-0003	7410
L21	376-0266	74132
L27	376-0055	7406
L31,32	376-0011	7493
L34,44	376-0051	74121
L35	376-0080	74123
L38	376-0031	7430

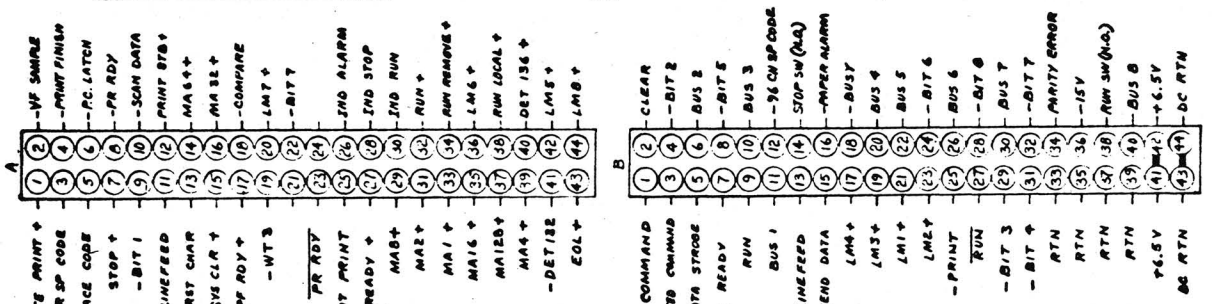
LOCATION	TYPE	SPARES
L29	7400	1

HOLE LEGEND

	HOLE DIA.	TOL
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	±
	.126 to .250	±
	.251 to .500	±

IDENT.	DESCRIPTION	QTY
A		

COMPONENT	W.L. PART NO.
R1,2	337-0028
R3	332-1027
R4,12,15,17,19,21,23,25,27,29,31,34,37	330-2018
R5,13,16,18,20,22,24,26,28,30,32,35,38	330-2022
R6,8,40-53,55,56	330-3018
R7,9,33,36,39	330-3010
R10,11	330-3033
R14	330-4010
R54	330-1047
C1,2,25	300-4022
C3,4,5	300-1100
C6	300-3006
C7,8	300-1330
C9	300-1470
C10-22	300-1903
C23	300-1935
C24	300-4014
SW1-9	325-0034
L6,7	376-9006
D1,2	380-2137
D3	380-2138



JAN 08 1979

E-REV 0

REVISION	BY	DWN	CHK
ORIGINATED PER ECN # 6745 APPROVED 8-2-78	9/6	DWN	CHK
REVISED PER ECN # 7518 APPROVED 8-2-78	1/0	DWN	CHK
REVISED PER ECN # 7903 APPROVED 8-2-78	2/0	DWN	CHK
REVISED PER ECN # 9234 APPROVED 8-2-78	3/0	BK	S.J.

WANG PART NO.	ITEM	QTY	NAME
Qty. Per Unit	FIRST USED ON	ASSY USED ON	

WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.

MATERIAL

FINISH

MODEL NO 2263W

SEE ENGRG SPECIFICATIONS No.

TOL EX AS NOTED
XX ± .010 FRAC ± 1/64
XXX ± .005 ANG ± 1°30' FINISH √

SCALE — SHT 8 OF 8

MATERIAL	DESCRIPTION

BY	DATE	APPROVED BY	DATE
DWN	-1-77	E ENGR	
CHK	8-2-78	M ENGR	
E C CONTROL		MFG ENGR	

TITLE 12004
CHAR. STORAGE/CONTROL

210-7381	C	7381	3
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

7381 D

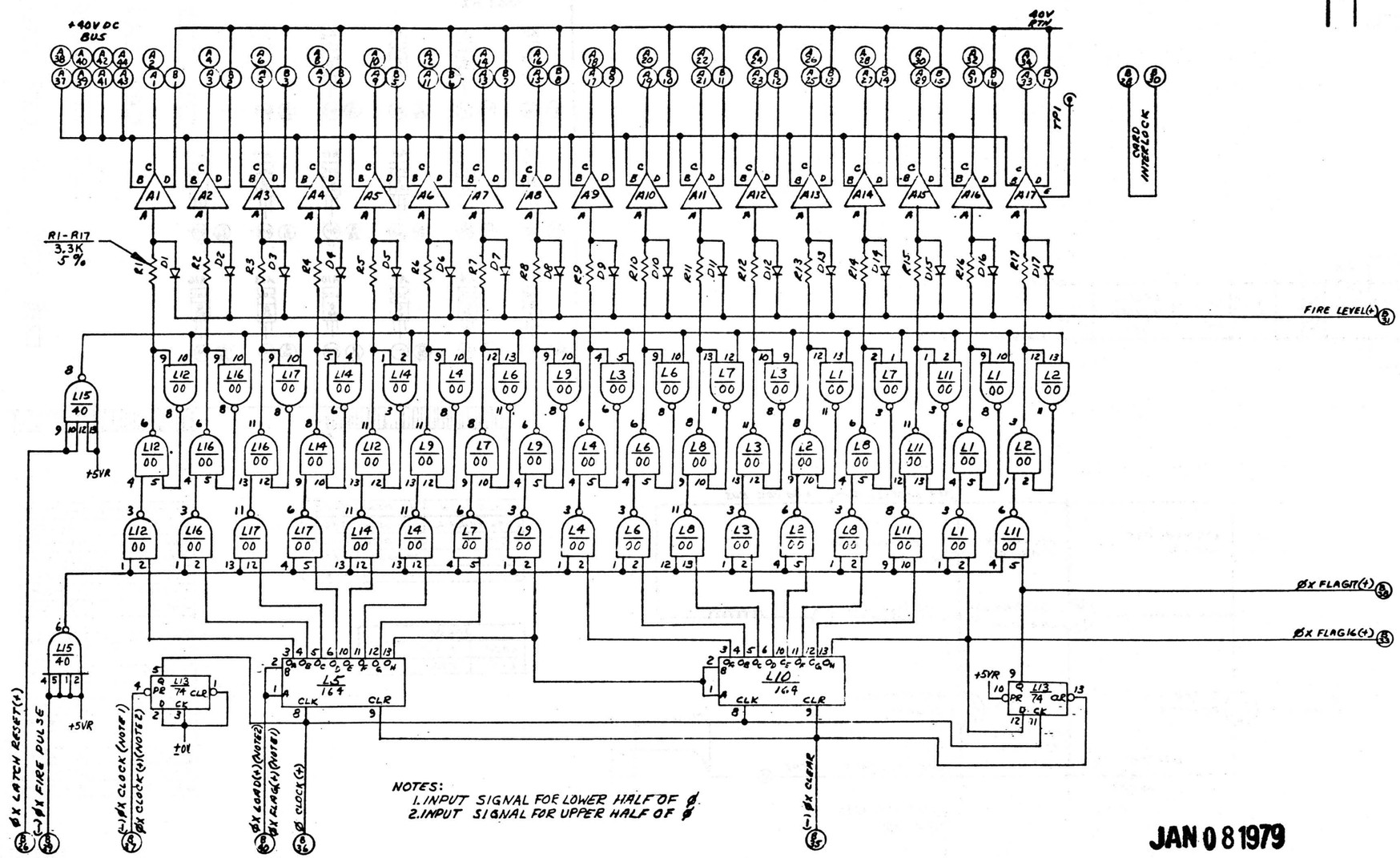
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MILLIMETERS IN PARENTHESIS. TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.

DO NOT SCALE

HOLE LEGEND & TOLERANCES	
HOLE DIA	TOLERANCE
.0125 - .125	± .003 - .001
.126 - .250	± .004 - .001
.251 - .500	± .005 - .001

STB	DESCRIPTION	QTY
A		



NOTES:
1. INPUT SIGNAL FOR LOWER HALF OF Ø
2. INPUT SIGNAL FOR UPPER HALF OF Ø

JAN 0 8 1979

QTY	ITEM	WANG PART NO	DRAWING NO	DESCRIPTION
NEXT ASSY				

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

BY	DATE	APPROVED BY	DATE
DWN EBA	9-6-77	E ENGR	
CHK		M ENGR	
		MFG ENGR	

MATERIAL

MODEL NO 2263N
SEE ENGG SPECIFICATIONS
No.

FINISH

TOL EX AS NOTED
XX ± FRAC ±
XXX ± ANG ± FINISH
SCALE 1/1 SHT 1 OF 2

TITLE (C10020 SHT 1 OF 2)
H.S. HAMMER DRIVER LOGIC

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
210-7383	D	7383	2

REVISIONS

SHT 2 OF 2

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MILLIMETERS IN PARENTHESIS.
TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.

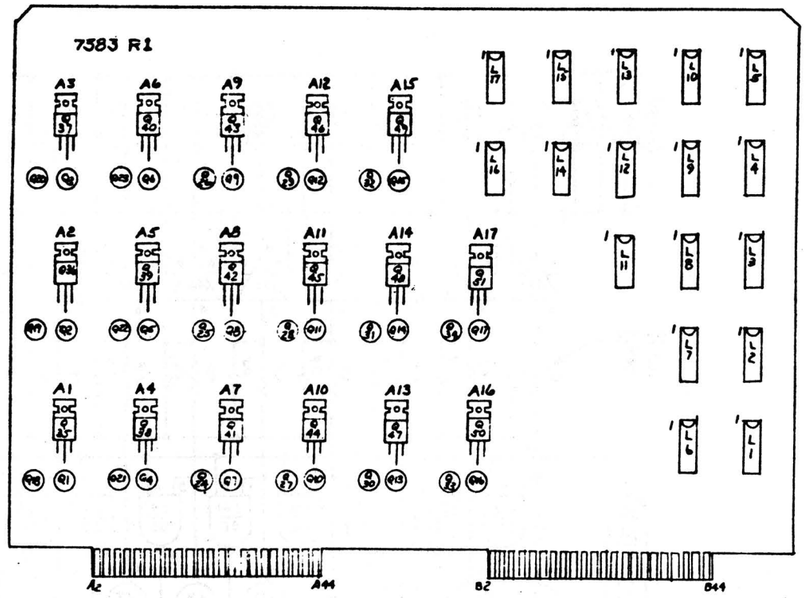
DO NOT SCALE

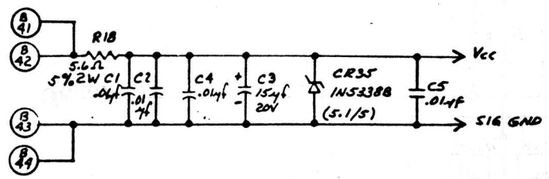
HOLE LEGEND & TOLERANCES

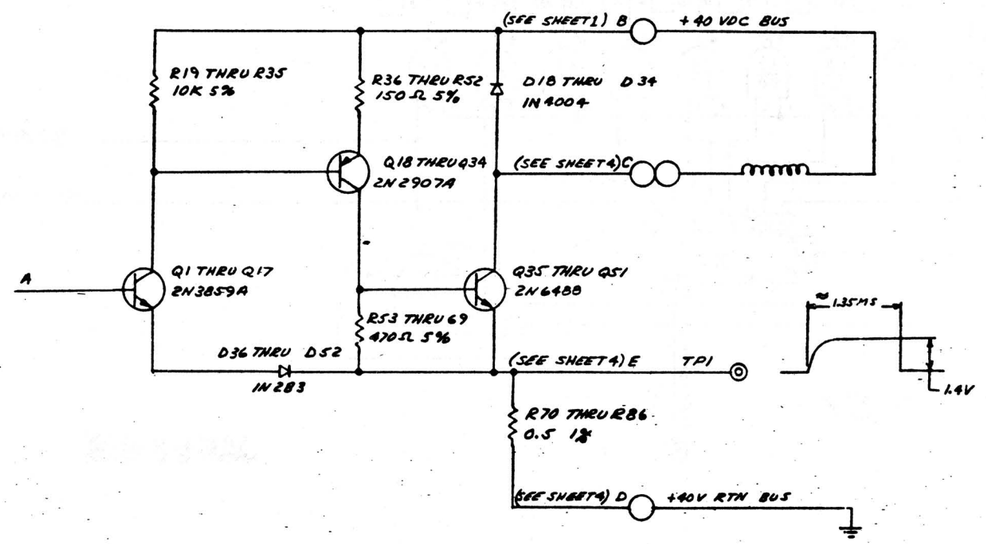
HOLE DIA	TOLERANCE
0135 - 125	± .003 .001
126 - 250	± .003 .001
251 - 500	± .003 .001

SYM	DESCRIPTION	QTY.
A		

7383 R1







LOCATION	W.L.PT.NO	TYPE
L1-4,6-9,11,12,14,16,17	376-0002	7400
L5,10	376-0102	74164
L13	376-0006	7474
L15	376-0009	7440

SPARES		
LOCN.	TYPE	SP
L17	7400	1

COMPONENT	W.L.PT.NO
R1-17	330-3034
R18	331-0057
R19-35	330-4011
R36-52	330-2016
R53-69	330-2048
R70-86	339-0029
D1-17,36-52	380-0001
D35	380-2137
D18-34	380-4000
C1,2,4,5	300-1903
C3	300-4022
Q1-17	375-1060
Q18-34	375-1059
Q35-51	375-1054

CONN A

A1	1 2	A1
A2	3 4	A2
A3	5 6	A3
A4	7 8	A4
A5	9 10	A5
A6	11 12	A6
A7	13 14	A7
A8	15 16	A8
A9	17 18	A9
A10	19 20	A10
A11	21 22	A11
A12	23 24	A12
A13	25 26	A13
A14	27 28	A14
A15	29 30	A15
A16	31 32	A16
A17	33 34	A17
+40V	35 36	+40V
	37 38	
	39 40	
	41 42	
	43 44	

CONN B

40V RTN	1 2	40V RTN
40V RTN	3 4	40V RTN
40V RTN	5 6	40V RTN
40V RTN	7 8	40V RTN
40V RTN	9 10	40V RTN
40V RTN	11 12	40V RTN
40V RTN	13 14	40V RTN
40V RTN	15 16	40V RTN
40V RTN	17 18	
	19 20	
	21 22	
	23 24	
	25 26	ØX LATCH, RESET(+)
	27 28	CARD INTERLOCK
	29 30	CARD INTERLOCK
FIRE LEVEL(B)	31 32	
ØX FLAG 17(+)	33 34	
(-)ØX CLEAR	35 36	Ø CLOCK(+)
(-)ØX CLOCK	37 38	Ø X FLAG16(+)
ØX CLOCK(+)	39 40	ØX LOAD(+)
(-)ØX FIRE PULSE	41 42	ØX FLAG(-)
Vcc	43 44	Vcc
GND	45 46	GND

D 7383

JAN 08 1979

E-REV. O

NO.	REVISION	BY	DATE
9	ORIGINATED PER DWR = E383 AM'D: ECO #2338	TA	12-28
8	REVISED PER ECO #2334	TA	12-26
7	REVISED PER ECN #2339 APP'D	TA	12-28
6		GP	5-79

QTY	ITEM	WANG PART NO	DRAWING NO	DESCRIPTION
NEXT ASSY				
-				

WANG LABORATORIES, INC. TEWKSBURY MASS U.S.A.

BY	DATE	APPROVED BY	DATE
DWN ERA	9.7.77	E ENGR	
CHK		M ENGR	
		MFG ENGR	

MATERIAL

MODEL NO 2263W
SEE ENGRG SPECIFICATIONS
No.

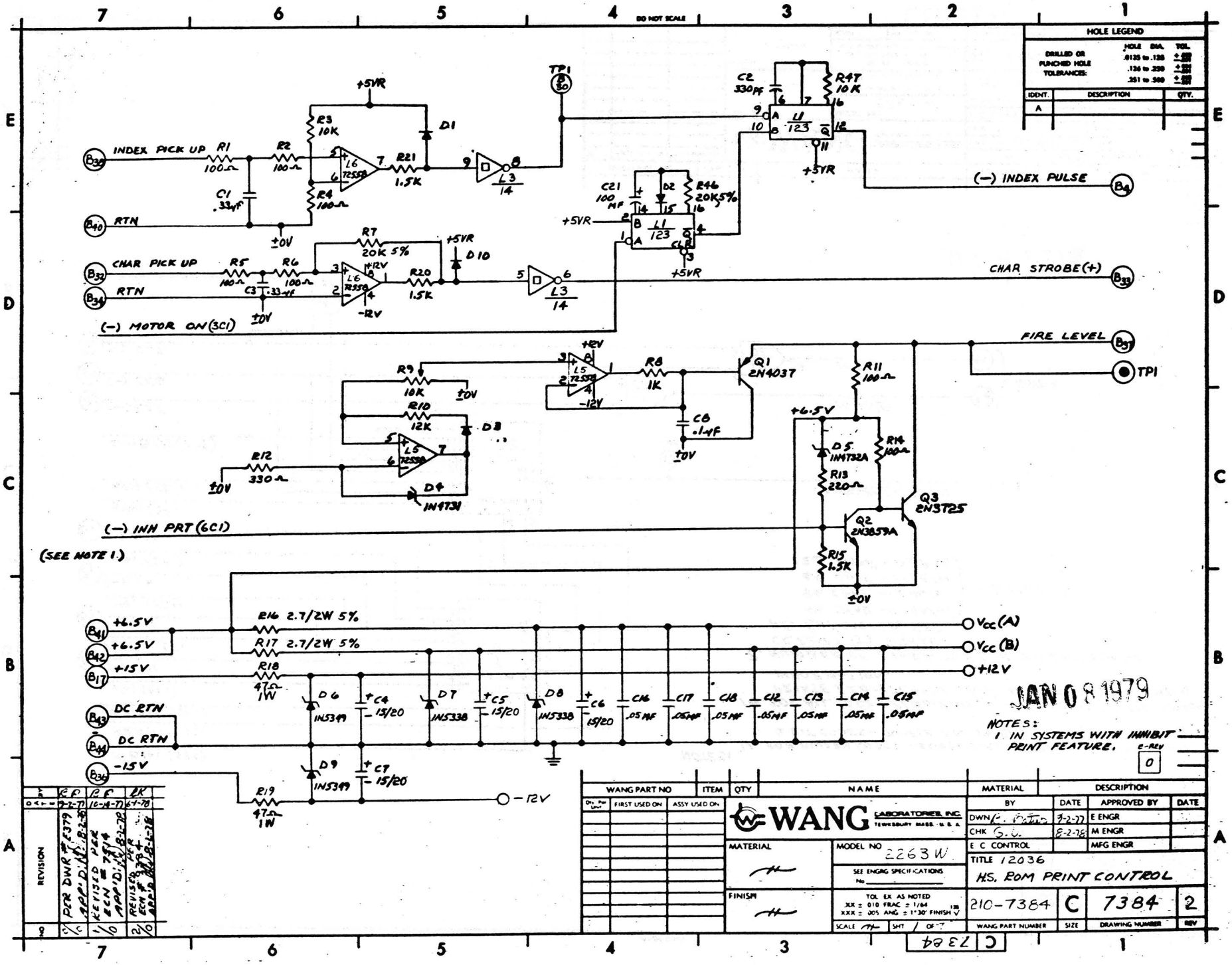
TITLE (C10020 SHT 2 OF 2)
H.S. HAMMER DRIVER LOGIC

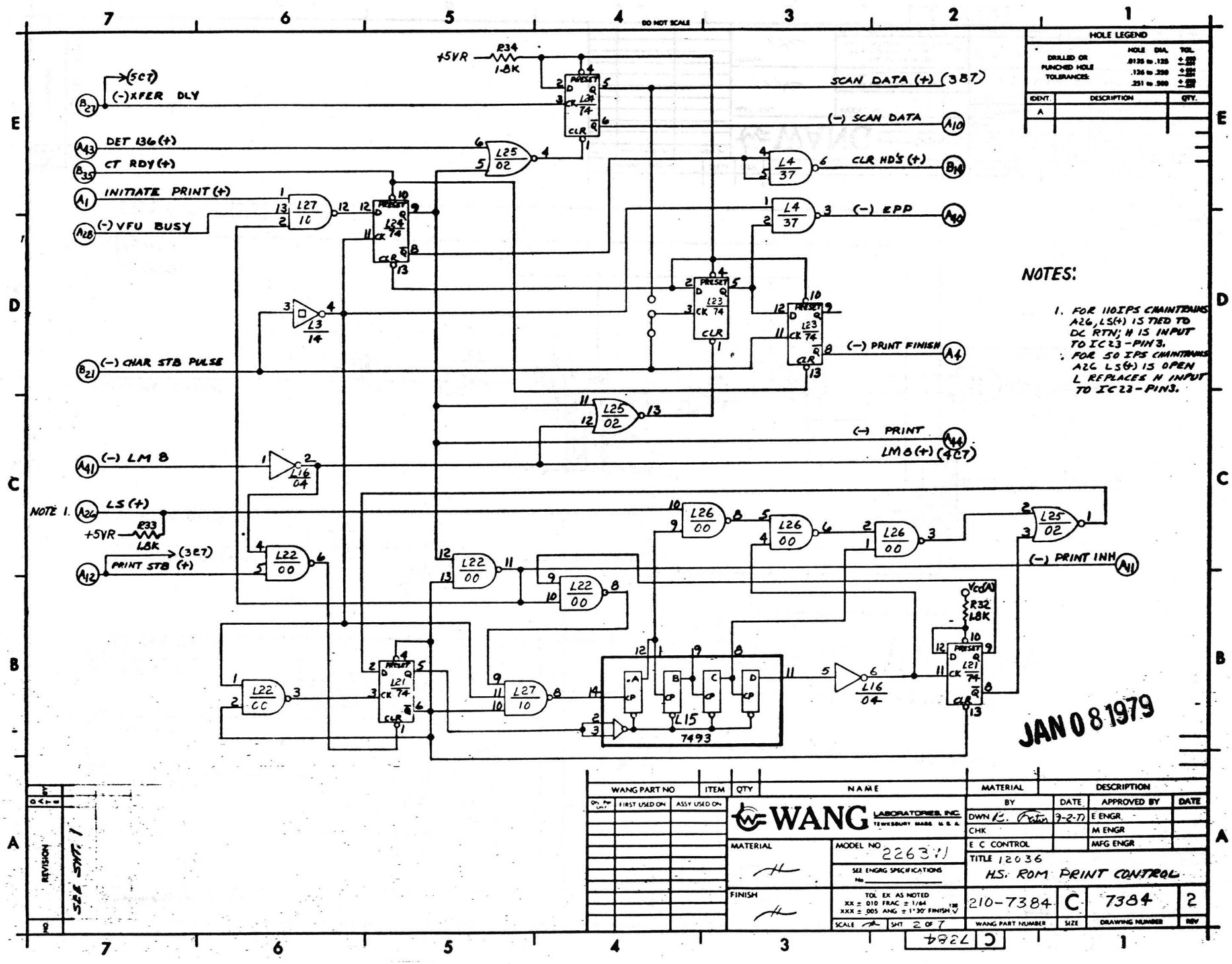
FINISH

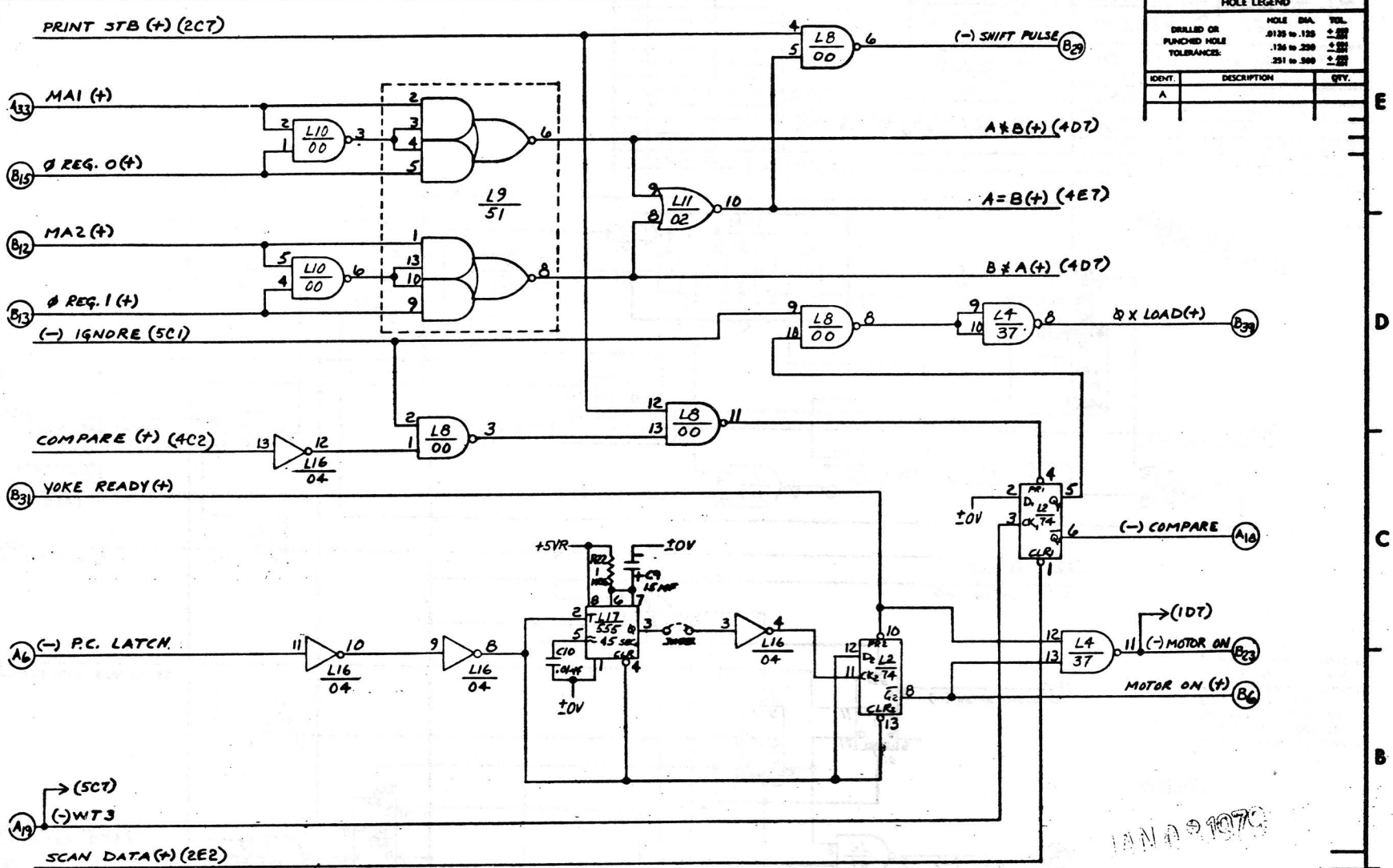
TOL EE AS NOTED
XX ± FRAC ±
XXX ± ANG ± FINISH √

SCALE ½ SHT 2 OF 2

210-7383 | D | 7383 | 2
WANG PART NUMBER | SIZE | DRAWING NUMBER | REV.


DO NOT SCALE
HOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES:
HOLE DIA. TOL.
.0135 to .125 ±.002
.126 to .250 ±.003
.251 to .500 ±.005
IDENT. DESCRIPTION QTY.
A
+5VR
TP1
C2 330pf
R47 10K
U 123
INDEX PICK UP
B39
R1 100Ω
R2 100Ω
R3 10K
D1
L6 7555B
R21 1.5K
L3 14
C1 .33μf
RTN
B40
±0V
R4 100Ω
(-) INDEX PULSE
B4
C21 100 MF
D2
R46 20K 5%
U 123
CLR
CHAR PICK UP
B32
RTN
B34
R5 100Ω
R6 100Ω
C3 .33μf
R7 20K 5%
+12V
-12V
R20 1.5K
D10
CHAR STROBE(+)
B33
(-) MOTOR ON(3C1)
FIRE LEVEL
B37
TP1
R9 10K
R10 12K
R12 330Ω
D3
D4 IN4734
L5 7555B
R8 1K
C8 .1μf
Q1 2N4037
R11 100Ω
+6.5V
D5 1N4732A
R14 100Ω
R13 220Ω
Q3 2N3725
Q2 2N3859A
R15 1.5K
(-) INH PRT (6C1)
(SEE NOTE 1)
+6.5V
B41
+6.5V
B42
+15V
B17
DC RTN
B43
DC RTN
B44
-15V
B36
R16 2.7/2W 5%
R17 2.7/2W 5%
R18 47Ω 1W
R19 47Ω 1W
D6 IN5349
D7 IN5338
D8 IN5338
D9 IN5349
C4 15/20
C5 15/20
C6 15/20
C7 15/20
C16 .05MF
C17 .05MF
C18 .05MF
C12 .05MF
C13 .05MF
C14 .05MF
C15 .05MF
VCC (A)
VCC (B)
+12V
JAN 08 1979
NOTES:
1. IN SYSTEMS WITH INHIBIT PRINT FEATURE.
E-REV
0
REVISION
PER DWR # E379 APP'D: [illegible] 8-2-77
REVISED PER ECN # 7514 APP'D: [illegible] 8-2-78
REVISED PER ECN # 7378 APP'D: [illegible] 8-1-78
WANG PART NO ITEM QTY NAME MATERIAL DESCRIPTION
WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.
BY DATE APPROVED BY DATE
DWN C. Potter 8-2-77 E ENGR
CHK S.U. 8-2-78 M ENGR
E C CONTROL MFG ENGR
MATERIAL
MODEL NO 2263W
SEE ENGRG SPECIFICATIONS No.
TITLE 12036
H.S. ROM PRINT CONTROL
FINISH
TOL EX AS NOTED
XX ± .010 FRAC ± 1/64
XXX ± .005 ANG ± 1°30' FINISH √
210-7384 C 7384 2
SCALE SHT OF
WANG PART NUMBER SIZE DRAWING NUMBER REV
7384 C


DO NOT SCALE
HOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES:
HOLE DIA. TOL.
.0135 to .125 ±.005
.126 to .250 ±.005
.251 to .500 ±.005
IDENT. DESCRIPTION QTY.
A
+5VR
R34 1.8K
(5C7)
(-)XFER DLY
B27
SCAN DATA (+) (3B7)
(-) SCAN DATA
A10
DET 136 (+)
A43
CT RDY (+)
B35
INITIATE PRINT (+)
A1
(-) VFU BUSY
A28
L25/02
L4/37
CLR HD'S (+)
B14
(-) EPP
A40
L27/10
L24 74
L23 74
L3/14
(-) CHAR STB PULSE
B21
(-) PRINT FINISH
A4
(-) PRINT
A44
LM 8 (+) (4C7)
(-) LM 8
A41
L16/04
NOTE 1.
LS (+)
A26
+5VR
R33 1.8K
(3E7)
PRINT STB (+)
A12
L22/00
L26/00
(-) PRINT INH
A11
L22/CC
L21 74
L27/10
L15
7493
R32 1.8K
NOTES:
1. FOR 110IPS CMAINTAINS A26, LS(+) IS TIED TO DC RTN; H IS INPUT TO IC 23 - PIN 3.
2. FOR 50 IPS CMAINTAINS A26 LS(+) IS OPEN L REPLACES H INPUT TO IC 23 - PIN 3.
JAN 08 1979
WANG PART NO ITEM QTY NAME MATERIAL DESCRIPTION
QTY. PER UNIT FIRST USED ON ASSY USED ON
WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.
BY DATE APPROVED BY DATE
DWN R. Cotter 9-2-77 E ENGR
CHK M ENGR
E C CONTROL MFG ENGR
MATERIAL
MODEL NO 2263-1
TITLE 12036 H.S. ROM PRINT CONTROL
SEE ENGRG SPECIFICATIONS No.
FINISH
TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH 125
SCALE SHT 2 OF 7
210-7384 C 7384 2
WANG PART NUMBER SIZE DRAWING NUMBER REV
7384 C
REVISION
SIZES



HOLE LEGEND			
DRILLED OR PUNCHED HOLE TOLERANCES:		HOLE DIA.	TOL.
		.0135 to .125	±.005
		.126 to .250	±.007
		.251 to .500	±.010
IDENT.	DESCRIPTION		QTY.
A			

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		

BY	DATE	APPROVED BY	DATE
DWN LB Foster	9-8-77	E ENGR	
CHK		M ENGR	
E C CONTROL		MFG ENGR	

MATERIAL —
FINISH —
MODEL NO 2263W
SET ENGRG SPECIFICATIONS No.
TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH 125
SCALE — SHT 3 OF 7

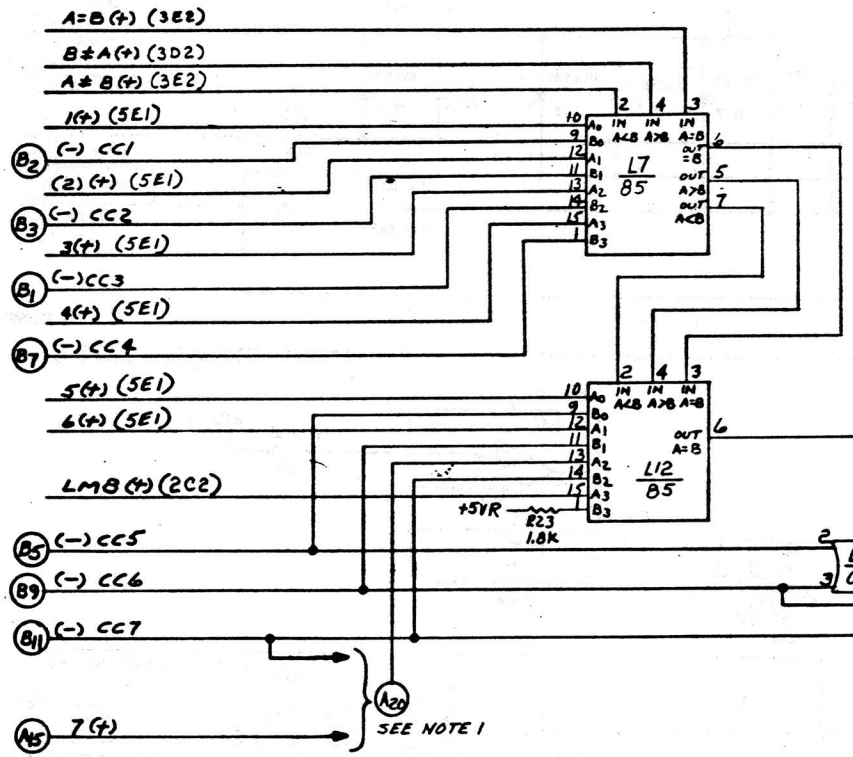
TITLE 12036 H.S. ROM PRINT CONTROL

210-7384 | C | 7384 | 2
WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

7384 C

REVISION — SEE SHT 1

DO NOT SCALE



NOTES:

1A. FOR BINARY CODED SEQUENTIAL CHARACTER CHAINTRAINS. 6 BIT CODES — JUMPER A20 TO B11 [C-)CC7]

1B. FOR ALL CODES REQUIRING ROM TRANSLATION SEE APPROPRIATE PROM PROFILE DATA SHEETS FOR JUMPERING INFORMATION.

2. NUMBER OF CHARACTERS IN SET DETERMINE CC RESET (+) SIGNAL.

I.E. CHARACTER SET

48 CHAR — CC 48 (+)
96 CHAR — CC 96 (+)
64 CHAR — DC RTN
128 CHAR — DC RTN

} CC RESET (+)

HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA. .0135 to .125	TOL. ± .003
	.126 to .250	± .004
	.251 to .500	± .005

IDENT.	DESCRIPTION	QTY.
A		

JAN 03 1979

REVISION	SEE SHT 1

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
Qty Per Unit	FIRST USED ON	ASSY USED ON	WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.		

BY	DATE	APPROVED BY	DATE
DWN [illegible]	7-6-77	E ENGR	
CHK		M ENGR	
E C CONTROL		MFG ENGR	

MATERIAL

MODEL NO 2263W

SEE ENGRG SPECIFICATIONS No.

FINISH

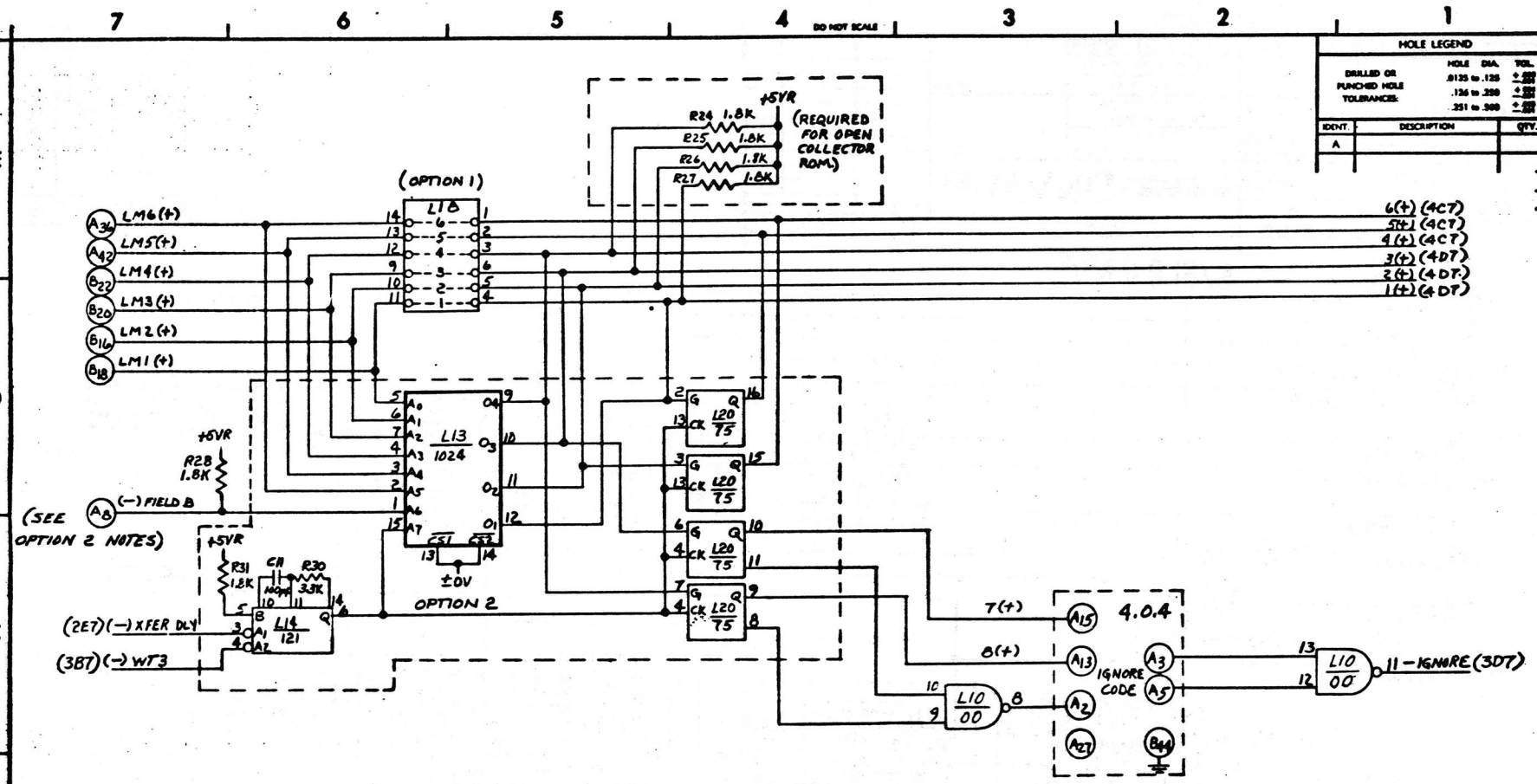
TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1° 30' FINISH 125

SCALE | SHT 4 OF 7

TITLE 12036 HS. ROM PRINT CONTROL

210-7384	C	7384	2
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

7384 C



IGNORE CODES:
OPTION 1 - JUMPER 5A-5 TO 5B-44 (ASCII)

2- FOR JUMPERING INFORMATION SEE APPROPRIATE PROM PROFILE SHEETS.

OPTIONS:
1. FOR BINARY CODED SEQUENCIAL CHARACTER CHAINTRAINS, JUMPER INDICATED CONNECTIONS OF LOCATION 18.
2. FOR ALL CODES REQUIRING TRANSLATION.

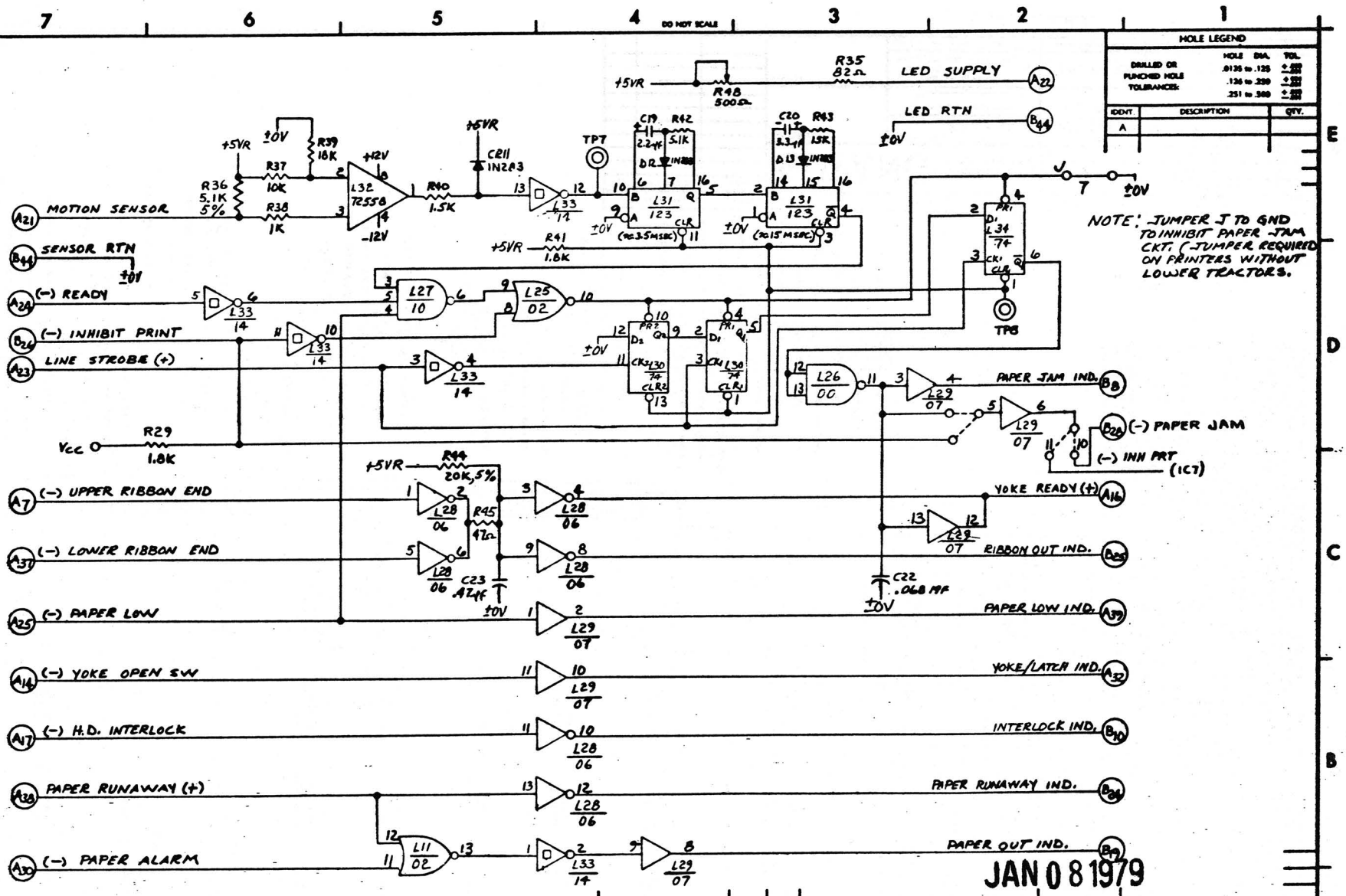
JAN 08 1979

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
QTY PER UNIT / FIRST USED ON / ASSY USED ON			WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.		

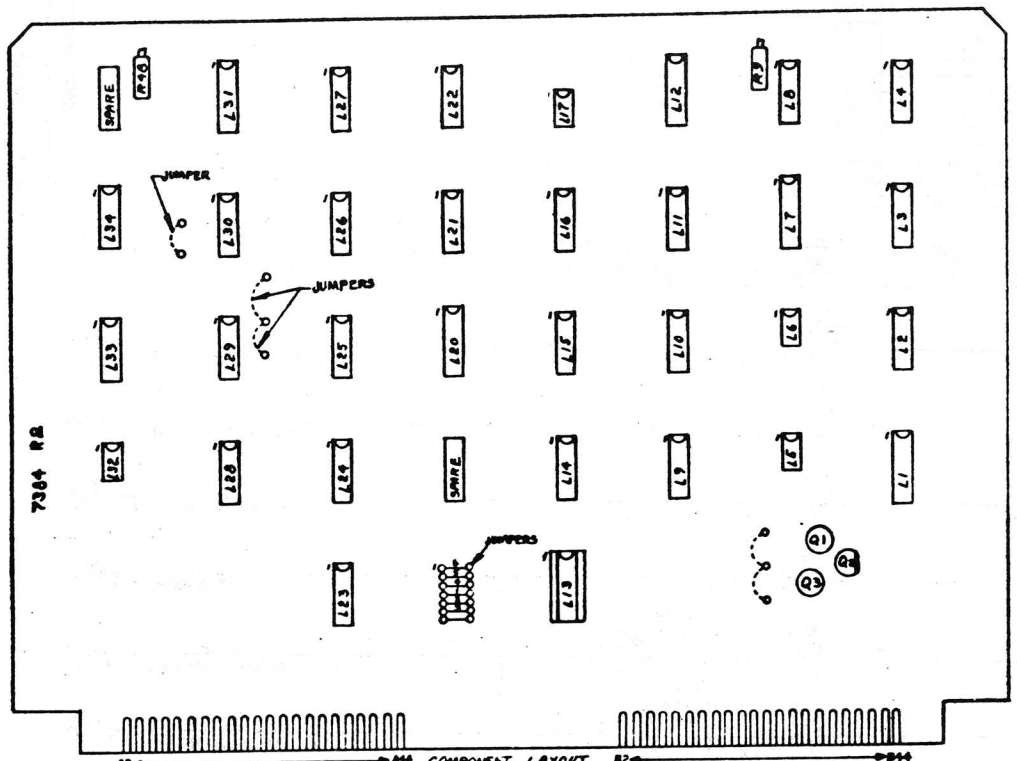
	BY	DATE	APPROVED BY	DATE
DWN	[illegible]	3-6-77	E ENGR	
CHK			M ENGR	
E C CONTROL -			MFG ENGR	

MATERIAL: H
FINISH: H
MODEL NO 2263 A
SEE ENGRG SPECIFICATIONS No.
TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH √
SCALE | SHT 2 OF 7
TITLE / 2C36 H.S. ROM PRINT CONTROL
210-7384 | C | 7384 | 2
WANG PART NUMBER | SIZE | DRAWING NUMBER | REV
7384 C

REVISION
SEE SHT 1


DO NOT SCALE
HOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES:
HOLE DIA. TOL.
.0135 to .125 ±.003
.126 to .250 ±.004
.251 to .500 ±.005
IDENT. DESCRIPTION QTY.
A
+5VR
R48 500Ω
R35 82Ω
LED SUPPLY
A22
LED RTN
B44
±0V
J
7
NOTE: JUMPER J TO GND TO INHIBIT PAPER JAM CKT. (JUMPER REQUIRED ON PRINTERS WITHOUT LOWER TRACTORS.
R36 5.1K 5%
R37 10K
R38 1K
R39 18K
L32 75558
+12V
-12V
R40 1.5K
CR11 1N2A3
TP7
C19 2.2μf
R42 5.1K
C20 3.3μf
R43 15K
L31 123
(≈3.5MSEC)
(≈15MSEC)
R41 1.8K
A21 MOTION SENSOR
B44 SENSOR RTN
A24 (-) READY
B24 (-) INHIBIT PRINT
A23 LINE STROBE (+)
L27 10
L25 02
L33 14
L34 74
L30 74
L26 00
L29 07
TP8
PAPER JAM IND. B8
B28 (-) PAPER JAM
(-) INH PRT (IC7)
YOKE READY (+) A16
RIBBON OUT IND. B25
PAPER LOW IND. A39
YOKE/LATCH IND. A32
INTERLOCK IND. B10
PAPER RUNAWAY IND. B24
PAPER OUT IND. B19
Vcc
R29 1.8K
R44 20K, 5%
R45 47Ω
C23 .47μf
C22 .068 MF
A7 (-) UPPER RIBBON END
A37 (-) LOWER RIBBON END
A25 (-) PAPER LOW
A14 (-) YOKE OPEN SW
A17 (-) H.D. INTERLOCK
A38 PAPER RUNAWAY (+)
A30 (-) PAPER ALARM
L28 06
L11 02
JAN 08 1979
WANG PART NO | ITEM | QTY | NAME | MATERIAL - DESCRIPTION
Qty. Per Unit | FIRST USED ON | ASSY USED ON
WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.
BY | DATE | APPROVED BY | DATE
DWN 9-6-77 | E ENGR
CHK | M ENGR
E C CONTROL | MFG ENGR
MATERIAL
MODEL NO 2263W
SEE ENGRG SPECIFICATIONS No.
TITLE 12036 H.S. ROM PRINT CONTROL
FINISH
TOL EX AS NOTED XX ± 010 FRAC ± 1/64 XXX ± 005 ANG ± 1°30' FINISH √
SCALE SHT 6 OF 7
210-7384 | C | 7384 | 2
WANG PART NUMBER | SIZE | DRAWING NUMBER | REV
7384 C
REVISION
SHEET 1 OF 7

DO NOT SCALE



LOCATION	W.L. PART NO:	TERM. NO. 10V	TERM. NO. V_{CC} +5VR
L1,31	376-0080	7	14
L22,23,24, 30, 34	376-0006	7	14
L3,33	376-0139	7	14
L4	376-0068	7	14
L5,6,32	376-0265	4	8
L7,12	376-0087	8	16
L8,10,22,26	376-0002	7	14
L9	376-0012	7	14
L11,25	376-0016	7	14
L13	377-0003	8	16
L14	376-0051	7	14
L15	376-0011	10	5
L16	376-0010	7	14
L17	376-0126	1	8
L27	376-0003	7	14
L28	376-0055	7	14
L29	376-0056	7	14
L20	376-0013		

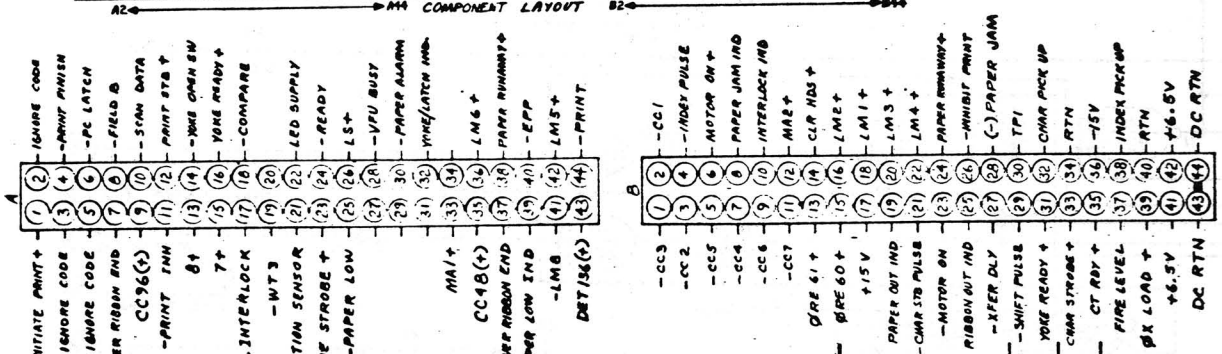
LOCATION	TYPE	SPARES
L3	7414	3
L32	72558	1
L33	7414	1
L34	7474	1

HOLE LEGEND

	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	±.005
	.126 to .250	±.005
	.251 to .500	±.005

IDENT.	DESCRIPTION	QTY.
A		

COMPONENT	W.L. PART NO.
C1,3	300-1937
C2	300-1930
C4,5,6,7,9	300-4022
C8	300-1901
C10	300-1903
C11	300-1100
C19	300-4014
C20	300-4016
C21	300-3011
C22	300-1939
C23	300-1935
C12-18	300-1900
G1	375-0018
Q2	375-1060
Q3	375-1027
L13,20	376-9006
D1,2,3,10	380-1001
D4	380-2134
D5	380-2135
D6,9	380-2138
D7,8	380-2137
D11,12,13	380-0001
R2,4,5,6,11,14,1	330-2010
R3,37,47	330-4010
R7,44,46	330-4021
R8,38	330-3010
R9	336-0037
R10	330-4012
R12	330-2033
R13	330-2022
R15,20,21,40	330-3015
R16,17	337-0028
R18,19	332-1047
R22	330-6010
R23-29,31-34,41	330-3018
R45	330-1047
R46	336-0040
R30	330-3033
R35	330-1082
R36,42	330-3052
R39	330-4018
R43	330-4015



1979

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION

On Per Unit	FIRST USED ON	ASSY USED ON

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	JP	7-77	E ENGR	
CHK			M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL

MODEL NO 2263W

SEE ENGRG SPECIFICATIONS No.

FINISH

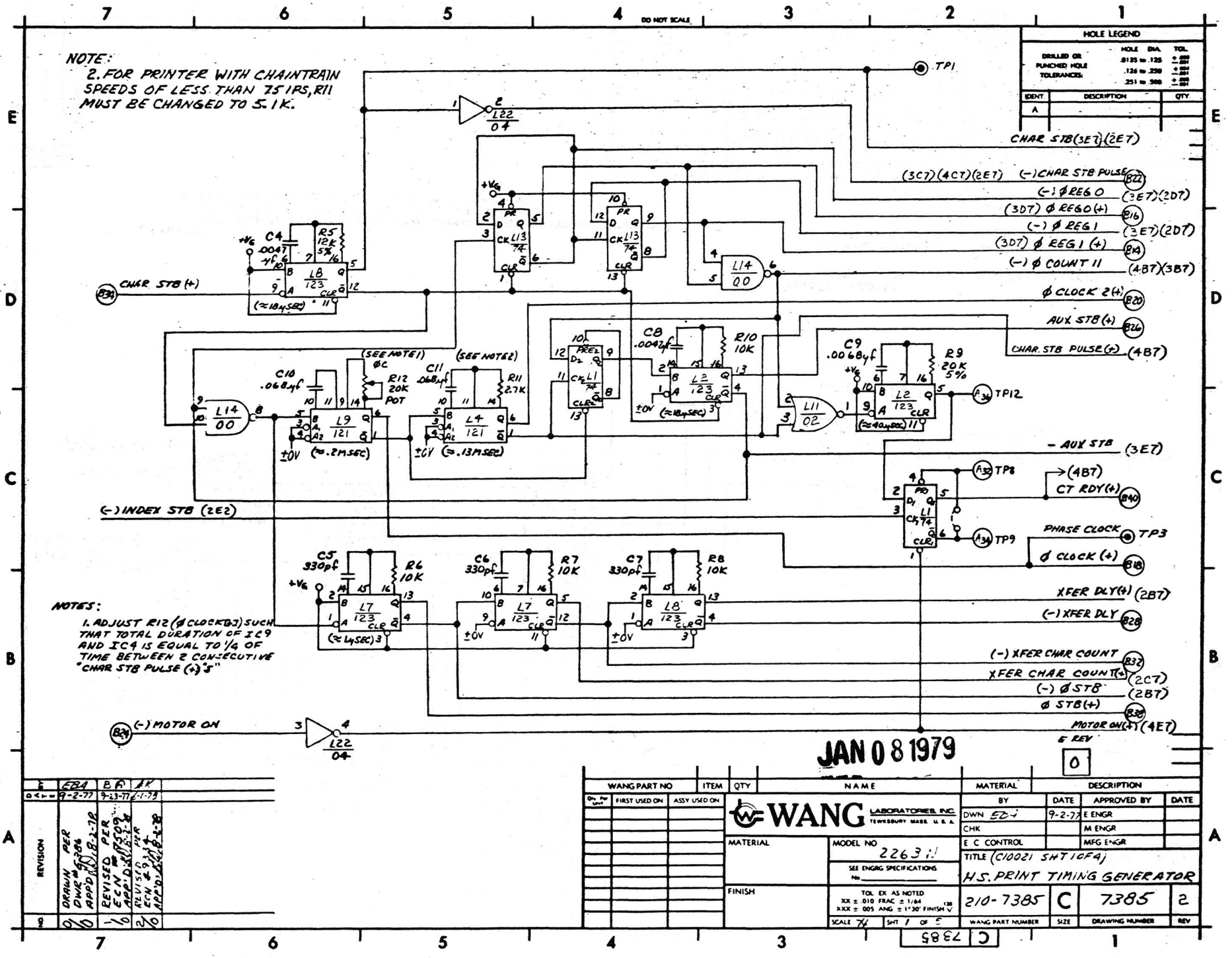
TOL EX AS NOTED
XX ± .010 FRAC ± 1/64 125
XXX ± .005 ANG ± 1°30' FINISH √

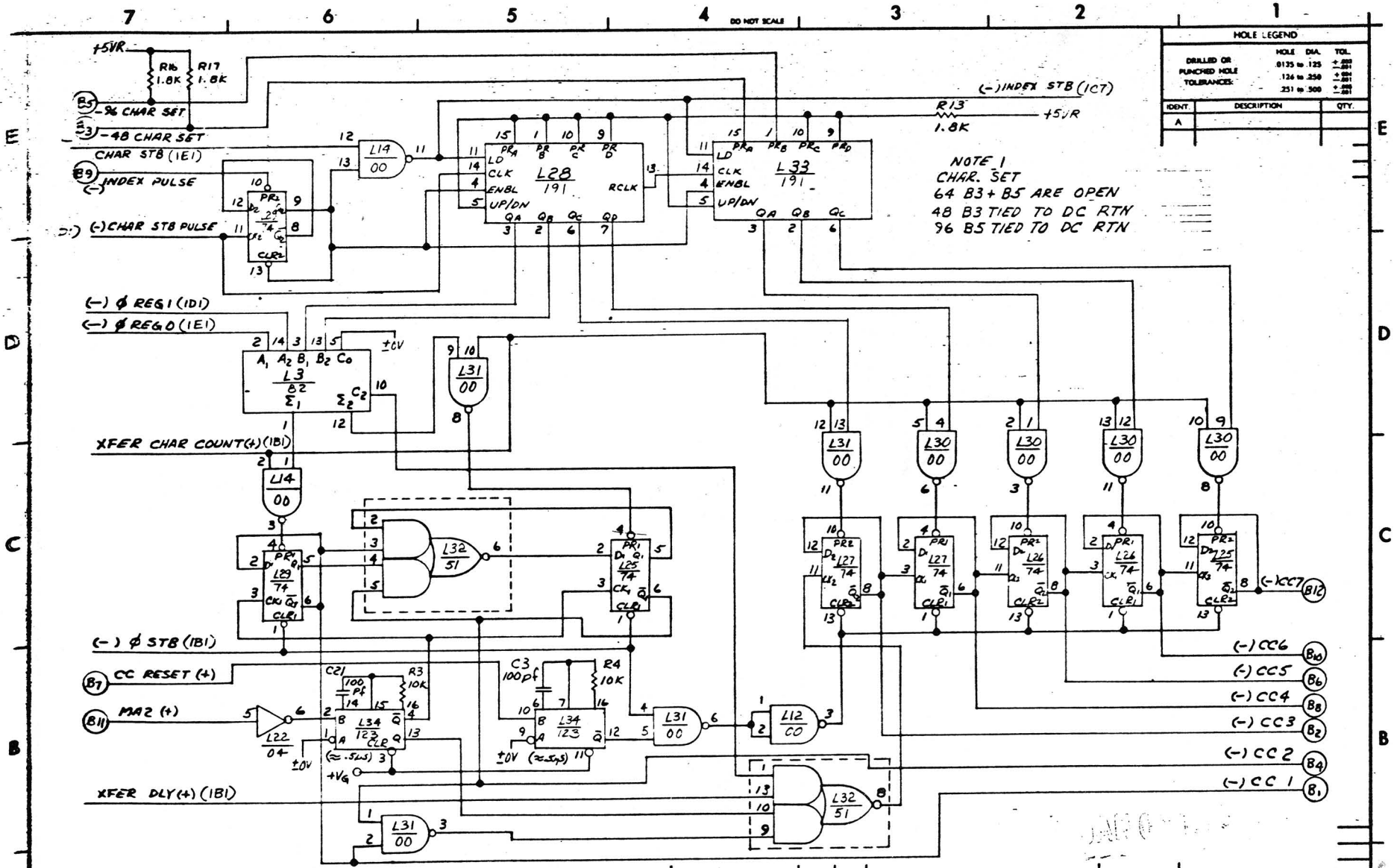
TITLE 12036
H.S. ROM PRINT CONTROL

SCALE 2/1 SHT 7 OF 7

210-7384	C	7384	2
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

REVISION	BY	DATE
NO		


NOTE:
2. FOR PRINTER WITH CHAINTRAIN SPEEDS OF LESS THAN 75 IPS, R11 MUST BE CHANGED TO 5.1K.
HOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES:
HOLE DIA. TOL
.0135 to .125 ±.003
.126 to .250 ±.004
.251 to .500 ±.005
IDENT DESCRIPTION QTY
A
TP1
CHAR STB(3E7)(2E7)
(3C7)(4C7)(2E7) (-)CHAR STB PULSE B22
(-)ØREG 0 (3E7)(2D7)
(3D7) ØREG0(+) B16
(-) ØREG1 (3E7)(2D7)
(3D7) ØREG1 (+) B14
(-) Ø COUNT 11 (4B7)(3B7)
CHAR STB (+) B34
Ø CLOCK 2(+) B20
AUX STB (+) B26
CHAR. STB PULSE(+) (4B7)
C4 .0047µf
R5 12K 5% 1/6
L8 123
(≈184µSEC)
C10 .068µf
R12 20K POT
(SEE NOTE1)
ØC
L9 121
±0V (≈.2MSEC)
C11 .068µf
R11 2.7K
(SEE NOTE2)
L4 121
±0V (≈.13MSEC)
C8 .0047µf
R10 10K
L2 123
±0V (≈18µSEC)
C9 .0068µf
R9 20K 5%
L2 123
(≈40µSEC)
TP12
L14 00
L11 02
L13 74
L1 74
- AUX STB (3E7)
TP8
(4B7) CT RDY(+) B40
(-) INDEX STB (2E2)
PHASE CLOCK TP3
Ø CLOCK (+) B18
C5 330pf
R6 10K
L7 123
(≈4µSEC)
C6 330pf
R7 10K
C7 330pf
R8 10K
XFER DLY(+) (2B7)
(-) XFER DLY B28
(-) XFER CHAR COUNT B32
XFER CHAR COUNT(+) (2C7)
(-) ØSTB (2B7)
ØSTB(+) B30
MOTOR ON(+) (4E7)
(-) MOTOR ON B24
L22 04
NOTES:
1. ADJUST R12 (ØCLOCKBJ) SUCH THAT TOTAL DURATION OF IC9 AND IC9 IS EQUAL TO 1/4 OF TIME BETWEEN 2 CONSECUTIVE "CHAR STB PULSE (+)'S"
JAN 08 1979
E REV 0
BY EBA BF AK
0 9-2-77 9-23-77 2-1-78
REVISION DRAWN PER DWG #6396 APPD 10-2-78
REVISED PER ECN #5091 APPD 11-2-78
REVISED PER ECN #5211 APPD 2-1-78
NO 0 1 2
WANG PART NO ITEM QTY NAME
ON PER UNIT FIRST USED ON ASSY USED ON
WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.
MATERIAL
FINISH
MODEL NO 2263 N
SEE ENGRG SPECIFICATIONS No
TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH √
SCALE 1/1 SHT 1 OF 5
MATERIAL DESCRIPTION
BY DATE APPROVED BY DATE
DWN EBA 9-2-77 E ENGR
CHK M ENGR
E C CONTROL MFG ENGR
TITLE (C10021 SHT 1 OF 4)
H.S. PRINT TIMING GENERATOR
210-7385 C 7385 2
WANG PART NUMBER SIZE DRAWING NUMBER REV
7385 C



HOLE LEGEND			
	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	±.001 −.001
	.126 to .250	±.002 −.001
	.251 to .500	±.003 −.001

IDENT.	DESCRIPTION	QTY.
A		

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
Qty. Per Unit / FIRST USED ON / ASSY USED ON			WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.		

BY	DATE	APPROVED BY	DATE
DWN EBA	9-1-77	E ENGR	
CHK		M ENGR	
E C CONTROL		MFG ENGR	

MATERIAL

MODEL NO 2263 W

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL EX AS NOTED
XX ± .010 FRAC ± 1/64
XXX ± .005 ANG ± 1°30' FINISH √

SCALE SHT 2 OF 5

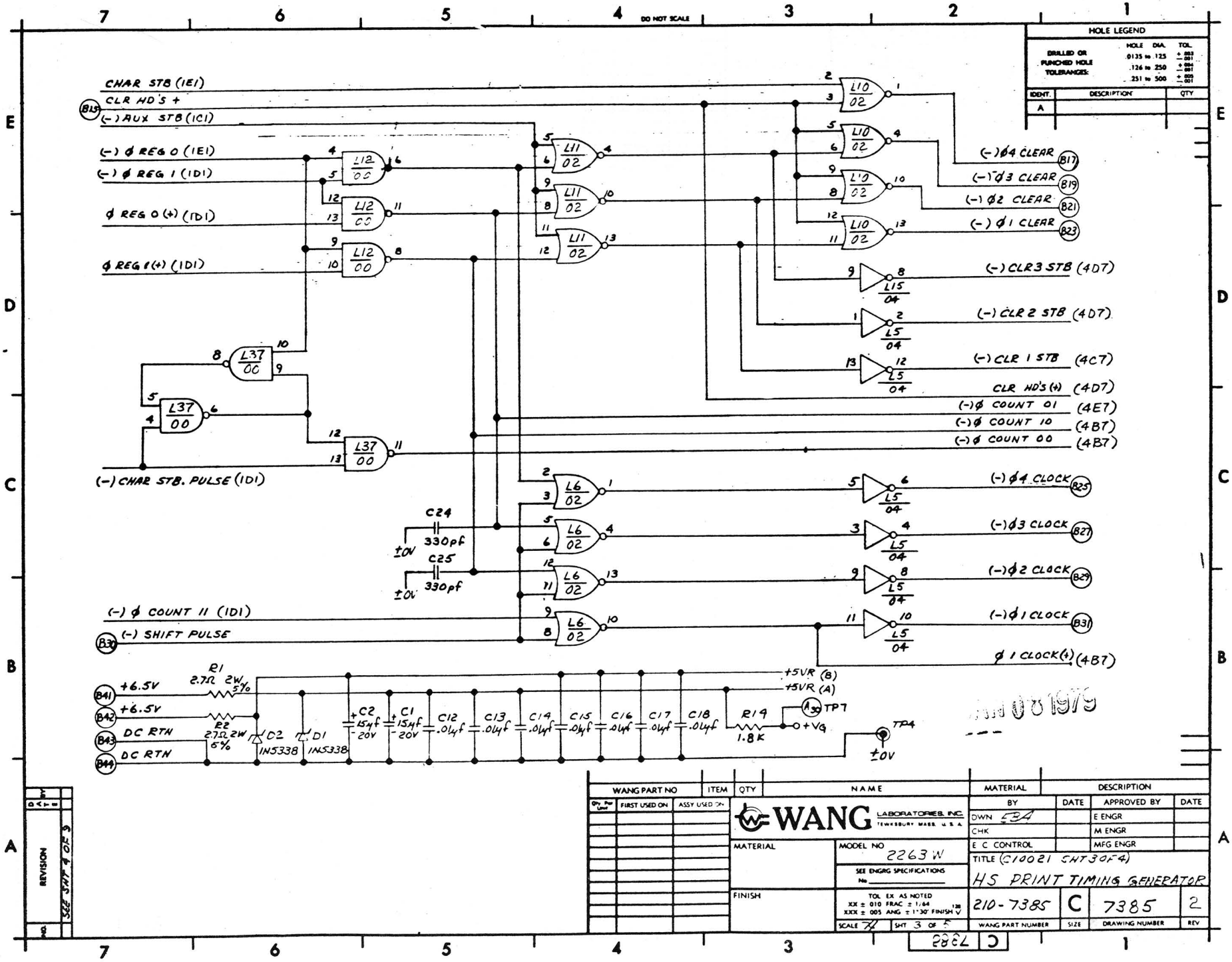
TITLE (C1C021 SHT 2 OF 4)
H.S. PRINT TIMING GENERATOR

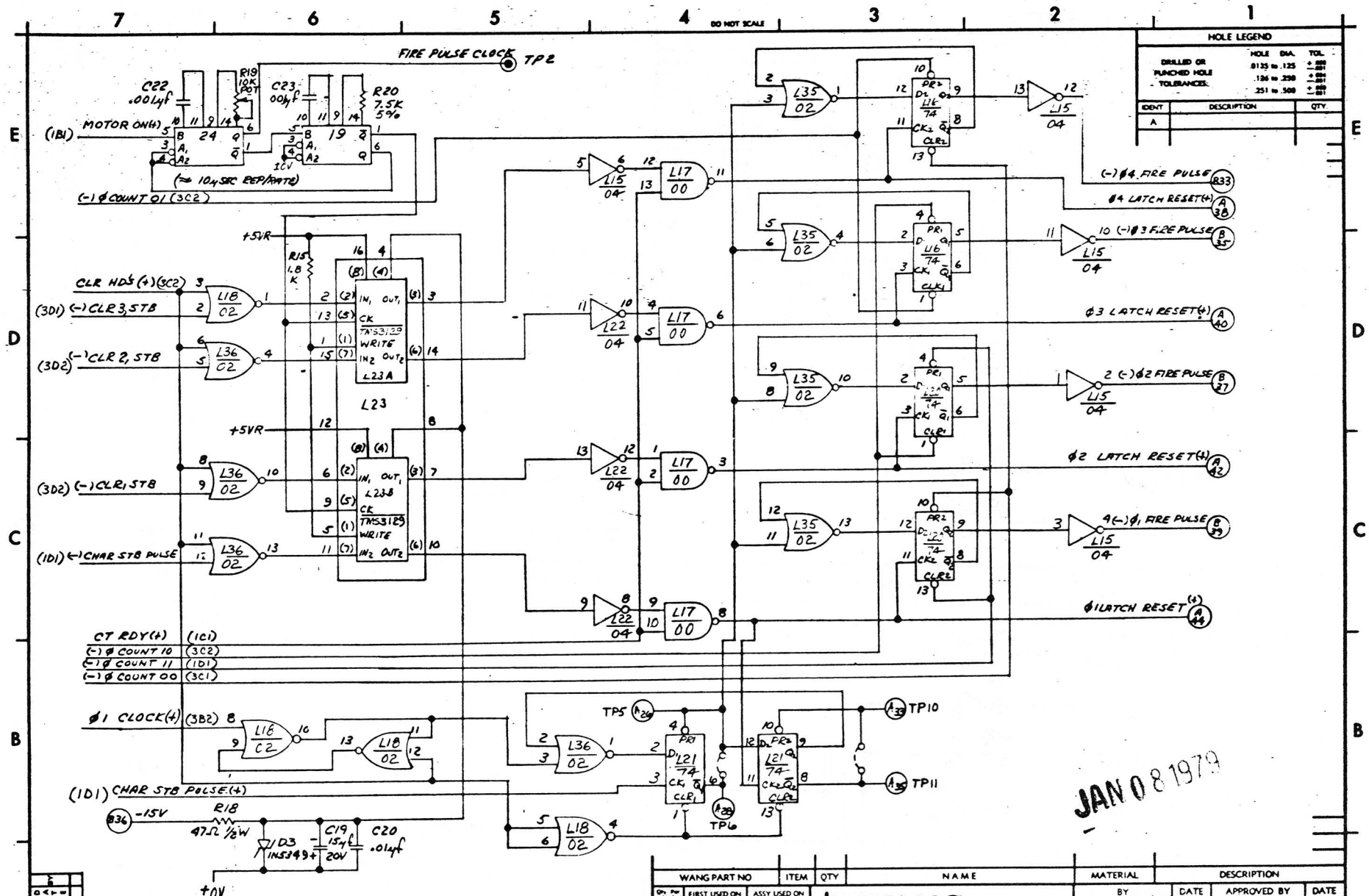
210-7385	C	7385	2
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

C 7385

REVISION

SHT 2 OF 4


CHAR STB (1E1)
CLR ND'S +
(-) AUX STB (1C1)
(-) ϕ REG 0 (1E1)
(-) ϕ REG 1 (1D1)
ϕ REG 0 (+) (1D1)
ϕ REG 1 (+) (1D1)
(-) CHAR STB. PULSE (1D1)
(-) ϕ COUNT 11 (1D1)
(-) SHIFT PULSE
(-) ϕ4 CLEAR
(-) ϕ3 CLEAR
(-) ϕ2 CLEAR
(-) ϕ1 CLEAR
(-) CLR3 STB (4D7)
(-) CLR 2 STB (4D7)
(-) CLR 1 STB (4C7)
CLR ND'S (+) (4D7)
(-) ϕ COUNT 01 (4E7)
(-) ϕ COUNT 10 (4B7)
(-) ϕ COUNT 00 (4B7)
(-) ϕ4 CLOCK
(-) ϕ3 CLOCK
(-) ϕ2 CLOCK
(-) ϕ1 CLOCK
ϕ 1 CLOCK (+) (4B7)
C24 330pf
C25 330pf
±0V
+6.5V
+6.5V
DC RTN
DC RTN
R1 2.7Ω 2W 5%
R2 27Ω 2W 5%
D2 IN5338
D1 IN5338
C2 15μf -20V
C1 15μf -20V
C12 .01μf
C13 .01μf
C14 .01μf
C15 .01μf
C16 .01μf
C17 .01μf
C18 .01μf
R19 1.8K
+5VR (B)
+5VR (A)
TP7
+Vg
TP4
±0V
HOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES:
HOLE DIA. TOL.
.0135 to .125
.126 to .250
.251 to .500
IDENT. DESCRIPTION QTY
A
DO NOT SCALE
WANG PART NO ITEM QTY NAME MATERIAL DESCRIPTION
WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.
MATERIAL
MODEL NO 2263 W
SEE ENGRG SPECIFICATIONS No.
FINISH
TOL EX AS NOTED XX ± 010 FRAC ± 1/64 XXX ± 005 ANG ± 1°30' FINISH √
SCALE 1/2 SHT 3 OF 5
BY DWN EA CHK E C CONTROL
DATE APPROVED BY
E ENGR M ENGR MFG ENGR
TITLE (C10021 SHT 3 OF 4) HS PRINT TIMING GENERATOR
210-7385 C 7385 2
WANG PART NUMBER SIZE DRAWING NUMBER REV
REVISION
SEE SHT 4 OF 5



DO NOT SCALE

HOLE LEGEND		
DRILLED OR PUNCHED HOLE - TOLERANCES	HOLE DIA. .0135 to .125 / .126 to .250 / .251 to .500	TOL. ±.003 / ±.004 / ±.005

IDENT	DESCRIPTION	QTY.
A		

REVISION	BY	DATE

SEE SHT 4 OF 5

JAN 08 1979

WANG PART NO	ITEM	QTY	NAME
			WANG LABORATORIES, INC. TEWKESBURY, MASS. U.S.A.

MATERIAL	MODEL NO 2263W
	SEE ENGRG SPECIFICATIONS No.
FINISH	TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH √
SCALE X	SHT 4 OF 5

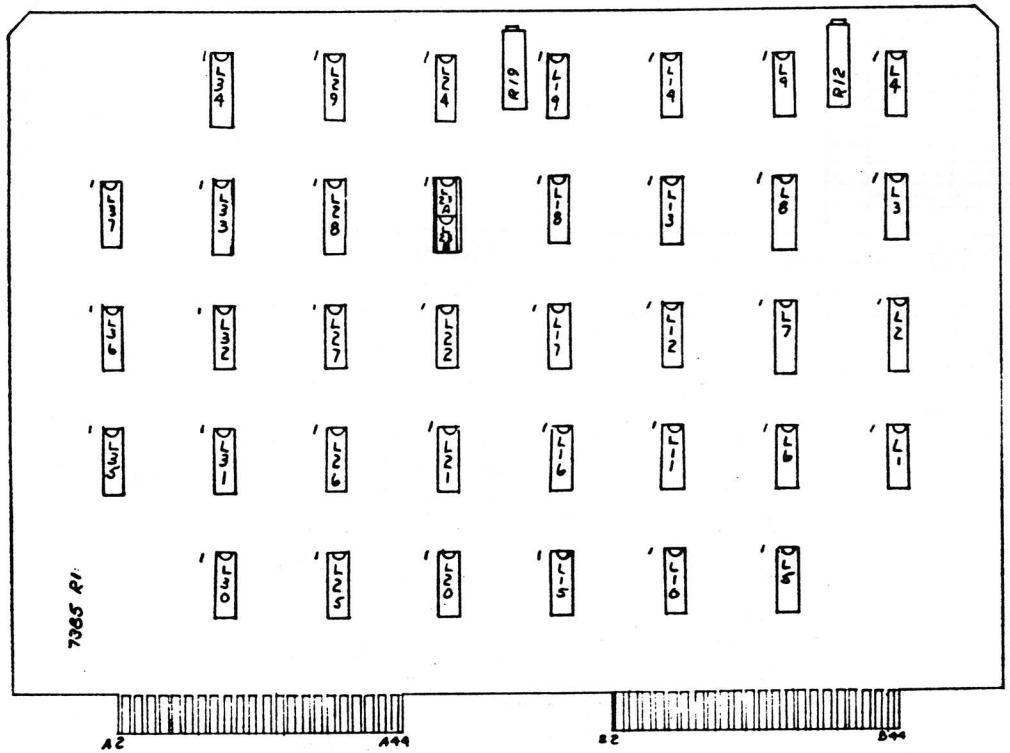
MATERIAL	DESCRIPTION			
BY	DATE	APPROVED BY	DATE	
DWN EFA	9-2-77	E ENGR		
CHK		M ENGR		
E C CONTROL		MFG ENGR		

TITLE (C,1002I SHT 4 OF 4)
H S PRINT TIMING GENERATOR

210-7385	C	7385	2
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

7385 C

DO NOT SCALE



LOCATION	W L PT NO	VCC	GND
L1,3,4,20,21,25-27,29	376-0006	14	7
L2,7,8,34	376-0080	16	8
L3,	376-0267	4	11
L4,9,19,24	376-0057	14	7
L5,15,22	376-0010	14	7
L6,9,11,18,35,36	376-0016	14	7
L12,14,17,30,31,37	376-0002	14	7
L23A,23B	376-0165	–	–
L28,33	376-0203	16	8
L32	376-0012	14	7

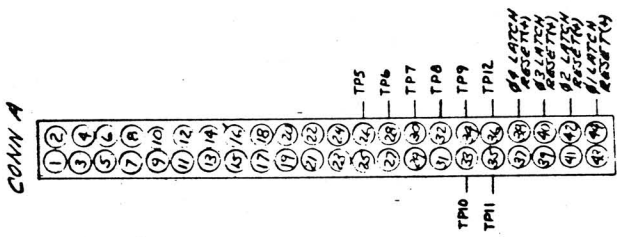
SPARES		
LOC.	TYPE	SP
L37	7400	1

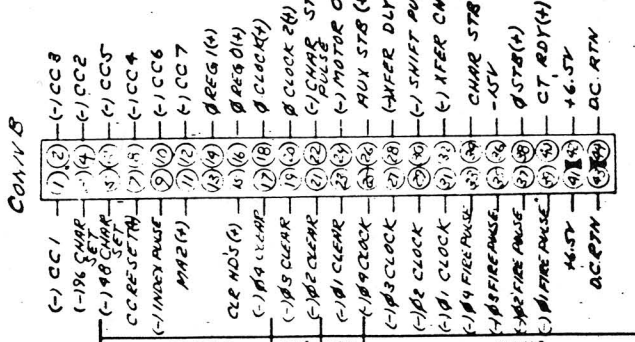
COMPONENT	W.L.PT. NO.
R1,2	337-0028
R3,4, 6,7,8,10	330-4010
R9	330-4021
R11	330-3027
R12	336-0038
R13,14,15,16,17	330-3018
R18	331-1047
R19	336-0037
R20	330-3076
R5	330-4013
C1,2,19	300-4022
C3,21	300-1100
C4	300-1910
C5,6,7,24,25	300-1330
C9	300-1911
C10,11	300-1939
C12-18,20	300-1903
C22,23	300-1906
C8	300-1920
D1,2	380-2137
D3	380-2138
L23	376-9006

HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	±
	.126 to .250	±
	.251 to .500	±

IDENT	DESCRIPTION	QTY.
A		





JAN 08 1979

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION

DWG. No.	FIRST USED ON	ASSY USED ON

WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	EBH	9-6-77	E ENGR	
CHK			M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL

MODEL NO 2263W

SEE ENGRG SPECIFICATIONS No

FINISH

TOL EX AS NOTED
XX ± 010 FRAC ± 1/64 125
XXX ± 005 ANG ± 1°30' FINISH √

SCALE NONE SHT 1 OF 1

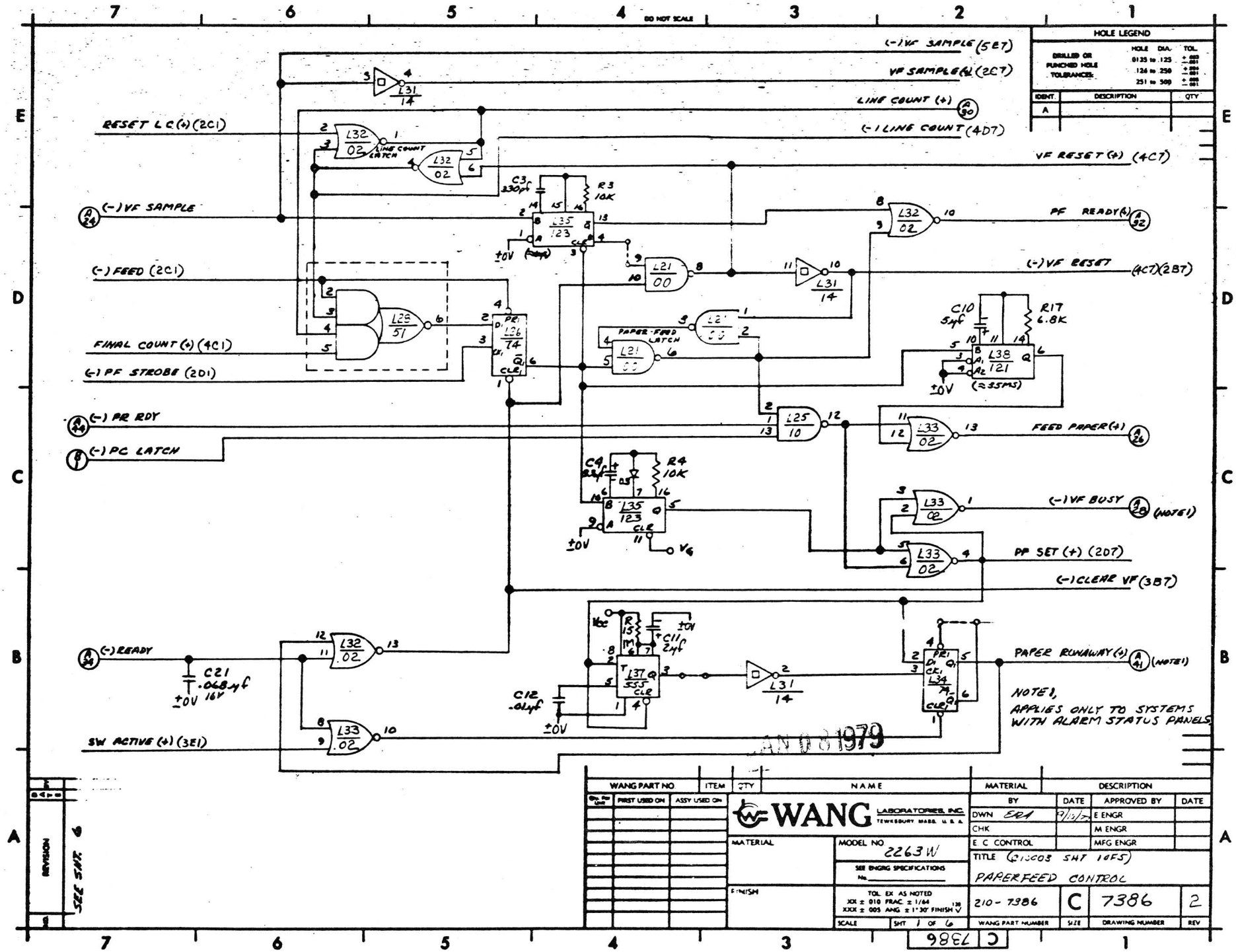
TITLE
H.S. PRINT TIMING GENERATOR

210-7385 | C | 7385 | 2

WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

7385 C

NO	REVISION	BY	DATE
	SEE SHT 4 OF 5		



HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	±.002 −.001
	.126 to .250	±.003 −.001
	.251 to .500	±.003 −.001

IDENT.	DESCRIPTION	QTY
A		

WANG PART NO	ITEM	QTY	NAME

MATERIAL	DESCRIPTION

BY	DATE	APPROVED BY	DATE
DWN EDA	9/13/79	E ENGR	
CHK		M ENGR	
E C CONTROL		MFG ENGR	

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL

MODEL NO 2263W

SEE ENGRG SPECIFICATIONS No.

FINISH

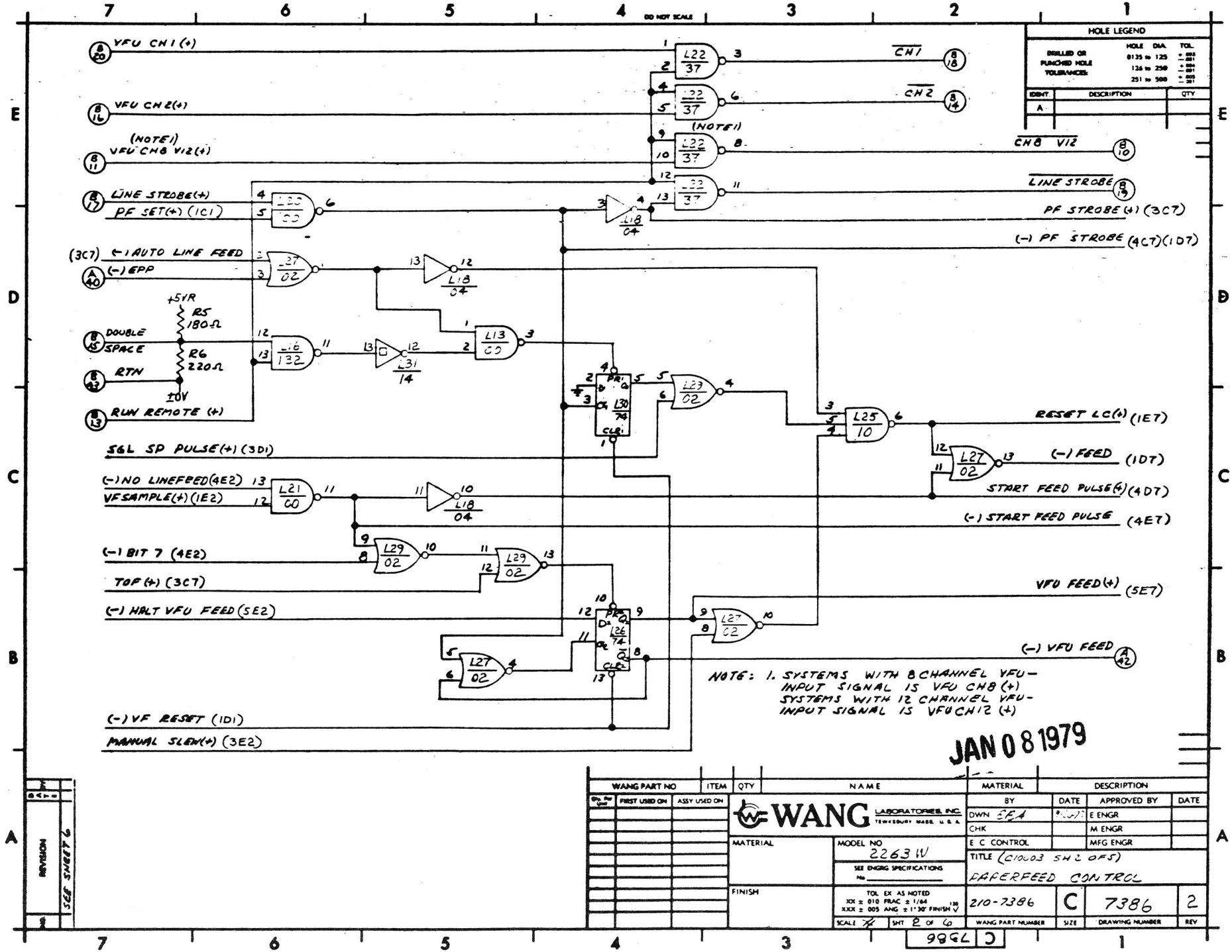
TOL EX AS NOTED
XX ± 010 FRAC ± 1/64
XXX ± 005 ANG ± 1°30' FINISH √

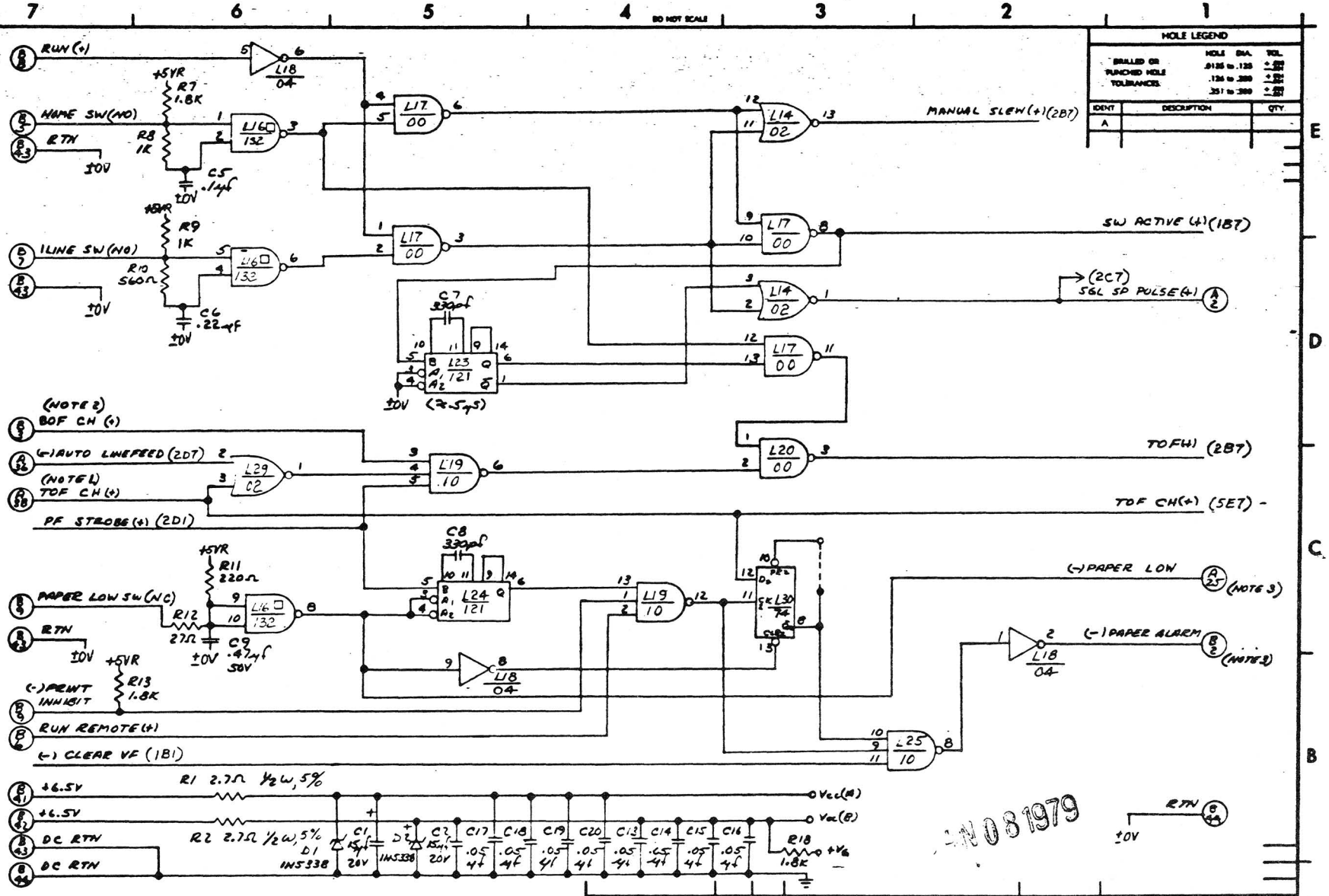
TITLE (2263 SHT 10FS)
PAPERFEED CONTROL

SCALE	SHT 1 OF 6	WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
		210-7386	C	7386	2

7386 C

JAN 08 1979


VFU CH1 (+)
VFU CH2 (+)
(NOTE 1) VFU CH8 V12 (+)
LINE STROBE (+)
PF SET (+) (1C1)
(3C7) ← AUTO LINE FEED
(-) EPP
+5VR
R5 180Ω
R6 220Ω
10V
DOUBLE SPACE
RTN
RUN REMOTE (+)
S&L SP PULSE (+) (3D1)
(-) NO LINEFEED (4E2)
VFSAMPLE (+) (1E2)
(-) BIT 7 (4E2)
TOF (+) (3C7)
(-) HALT VFU FEED (5E2)
(-) VF RESET (1D1)
MANUAL SLEW (+) (3E2)
CH1
CH2
CH8 V12
LINE STROBE
PF STROBE (+) (3C7)
(-) PF STROBE (4C7) (1D7)
RESET LC (+) (1E7)
(-) FEED (1D7)
START FEED PULSE (+) (4D7)
(-) START FEED PULSE (4E7)
VFU FEED (+) (5E7)
(-) VFU FEED
L22/37
L18/04
L27/02
L16/132
L31/14
L13/00
L30/74
L29/02
L25/10
L21/00
L26/74
NOTE: 1. SYSTEMS WITH 8 CHANNEL VFU- INPUT SIGNAL IS VFU CH8 (+)
SYSTEMS WITH 12 CHANNEL VFU- INPUT SIGNAL IS VFU CH12 (+)
HOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES:
HOLE DIA. TOL.
.0135 to .125 ± .003
.126 to .250 ± .004
.251 to .500 ± .005
IDENT. DESCRIPTION QTY
A
DO NOT SCALE
JAN 08 1979
WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.
MODEL NO 226314
SEE ENGRG SPECIFICATIONS No.
TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1° 30' FINISH √
SCALE ½ SHT 2 OF 6
MATERIAL
FINISH
DWN EFA
CHK
E C CONTROL
E ENGR
M ENGR
MFG ENGR
TITLE (C10003 SH 2 OF 5)
PAPERFEED CONTROL
210-7386 C 7386 2
WANG PART NO ITEM QTY NAME MATERIAL DESCRIPTION
FIRST USED ON ASSY USED ON
REVISION
SEE SHEET 2
9867 C



HOLE LEGEND

	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES	.0135 to .125	±
	.126 to .350	±
	.351 to .500	±

IDENT	DESCRIPTION	QTY.
A		

NOTES:
1. TOF CH(+) IS NORMALLY VFU CH1 (+)
2. BOF CH(+) IS NORMALLY VFU CH8(+) ON 8CH SYSTEMS, VFU CH12(+) ON 12 CH SYSTEMS.
3. REFERENCE TO 4.0.6 APPLIES TO SYSTEMS EQUIPPED WITH ALARM STATUS PANELS.
4. IN SYSTEMS WITH INHIBIT PRINT FEATURE

REVISION

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
On Hand Limit / FIRST USED ON / ASSY USED ON			WANG LABORATORIES INC. TEWKSBURY MASS U.S.A.		

BY	DATE	APPROVED BY	DATE
DWN	9/26/79	E ENGR	
CHK		M ENGR	
E C CONTROL		MFG ENGR	

MATERIAL

MODEL NO 2203W

SEE ENGRG SPECIFICATIONS No.

FINISH

TOL EX AS NOTED XX ± .010 FRAC ± 1/64 2pl XXX ± .005 ANG ± 1°30' FINISH √

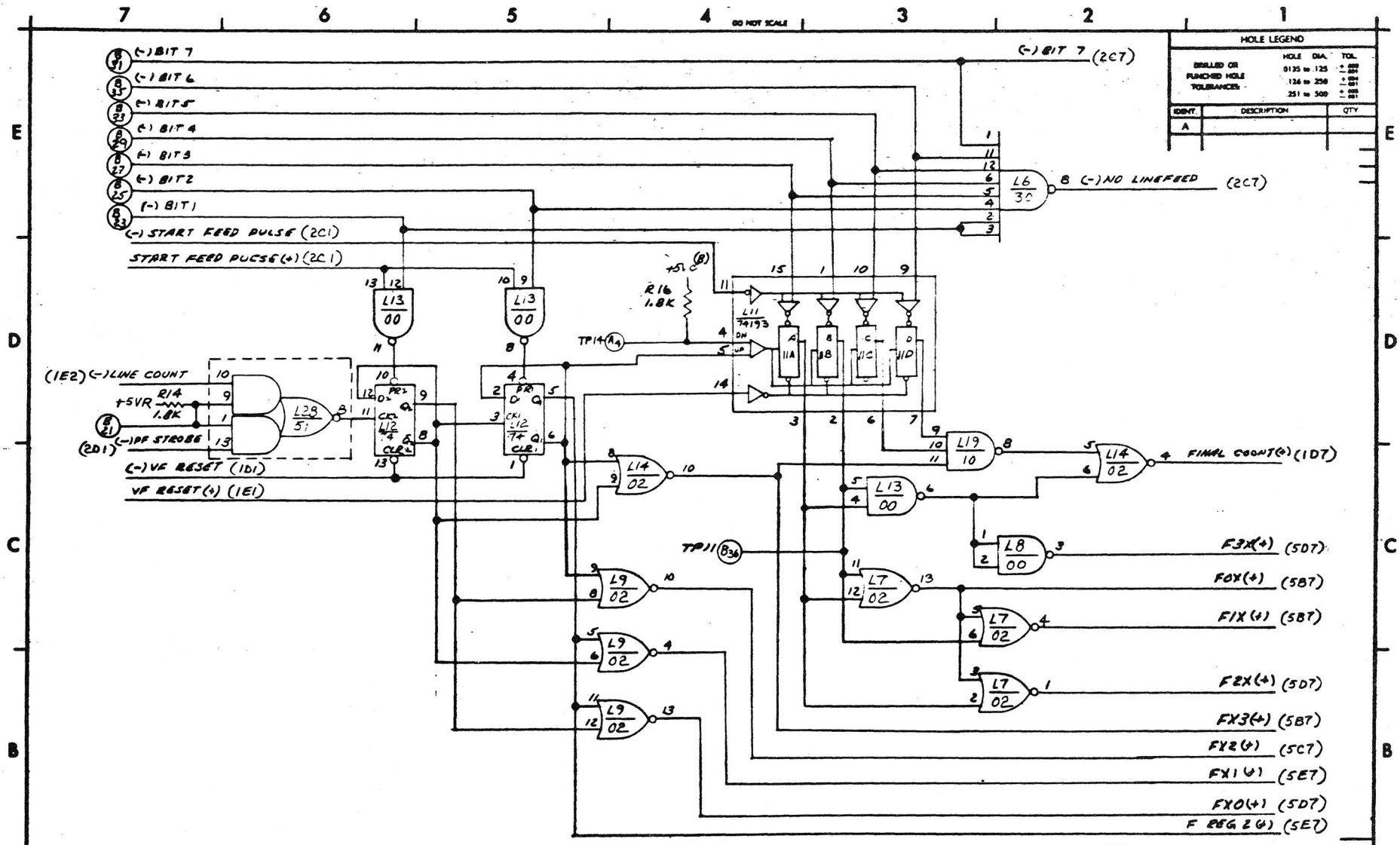
SCALE 3/4 SHT 3 OF 6

TITLE (C10003 SHT 3 OF 5) PAPER FEED CONTROL

210 - 7386	C	7386	2
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

9827 D

NOV 01 1979



JAN 08 1979

WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	EBA	9-16-77	E ENGR	
CHK			M ENGR	
E C CONTROL			MFG ENGR	

MATERIAL

MODEL NO 2263W

SEE ENGRG SPECIFICATIONS No.

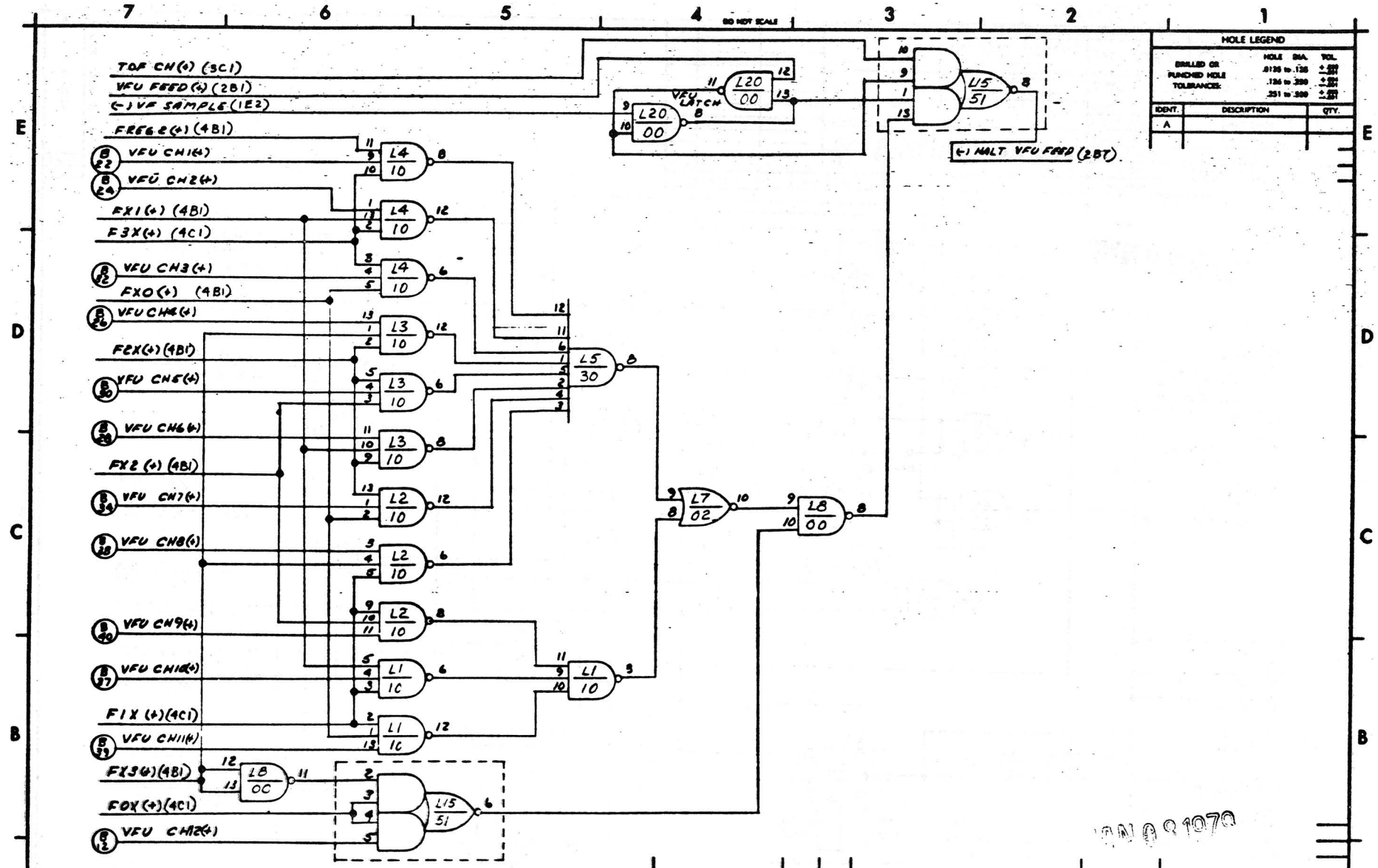
FINISH

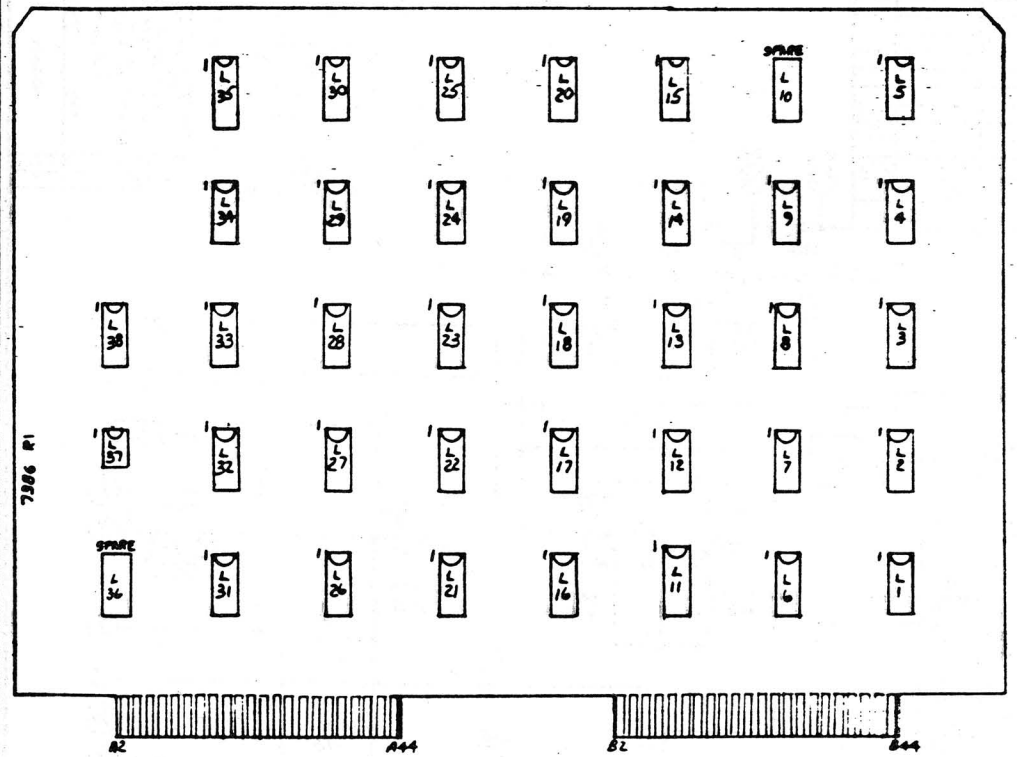
TOL EX AS NOTED
XX ± .010 FRAC ± 1/64
XXX ± .005 ANG ± 1°30' FINISH √

TITLE (C10003 4 OF 5)
PAPERFEED CONTROL

SCALE	SHT 4 OF 6	WANG PART NUMBER	SIZE	DRAWING NUMBER	REV
		210-7386	C	7386	2

9852 C


TOF CH(+) (3C1)
VFU FEED(+) (2B1)
(-) VF SAMPLE (1E2)
FREQ 2(+) (4B1)
VFU CH1(+)
VFU CH2(+)
FX1(+) (4B1)
F3X(+) (4C1)
VFU CH3(+)
FX0(+) (4B1)
VFU CH4(+)
F2X(+) (4B1)
VFU CH5(+)
VFU CH6(+)
FX2(+) (4B1)
VFU CH7(+)
VFU CH8(+)
VFU CH9(+)
VFU CH10(+)
F1X(+) (4C1)
VFU CH11(+)
FX3(+) (4B1)
F0X(+) (4C1)
VFU CH12(+)
VFU LATCH
(-) HALT VFU FEED (2B1)
L20 00
L15 51
L4 10
L3 10
L2 10
L1 10
L5 30
L7 02
L8 00
HOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES:
HOLE DIA. TOL.
.0135 to .128 ±.007
.136 to .339 ±.004
.351 to .500 ±.007
IDENT. DESCRIPTION QTY.
A
DO NOT SCALE
REVISION
WANG PART NO ITEM QTY NAME MATERIAL DESCRIPTION
QTY PER UNIT FIRST USED ON ASSY USED ON
WANG LABORATORIES, INC. TEWKSBURY MASS U.S.A.
BY DATE APPROVED BY DATE
DWN EJW 9-16-77 E ENGR
CHK M ENGR
E C CONTROL MFG ENGR
MATERIAL MODEL NO 2263W
SEE ENGRG SPECIFICATIONS No.
TITLE (C10003 SHT 5 OF 5)
PAPER FEED CONTROL
FINISH TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH √
210-7386 C 7386 2
SCALE X SHT 5 OF 6 WANG PART NUMBER SIZE DRAWING NUMBER REV
98EL D



LOCATION	W.L.PT.NO	TYPE
L1,2,3,4,13,25	376-0003	7410
L5,6	376-0031	7430
L7,9,14,27,29,32,33	376-0016	7402
L8,13,17,20,21	376-0002	7400
L11	376-0052	74193
L12,26,30,34	376-0006	7474
L15,28	376-0012	7451
L16	376-0266	74132
L18	376-0010	7404
L22	376-0068	7437
L23,24,38	376-0051-T	74121
L31	376-0139	7414
L35	376-0080	74123
L37	376-0126	555

SPARES		
LOCA.	TYPE	SP.
L8	7400	1
L9	7402	1
L31	7414	2
L34	7474	1

COMPONENT	W.L PT NO
R1, 2	337-0028
R 3,4	330-4010
R5	330-2018
R6,11	330-2022
R7,13,14,16,18	330-3018
R8,9	330-3010
R10	330-2056
R12	330-1027
R15	330-6010
R17	330-3068
C1,2	300-4022
C3,7,8	300-1330
C4	300-4039
C5	300-1901
C6	300-1926
C9	300-1935
C10	300-3004
C11	300-3001
C12	300-1903
C13 THRU 20	300-1900
C21	300-1939
D 1,2	380-2187
D 3	380-1001

HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	±.005
	.126 to .350	±.007
	.351 to .500	±.009

IDENT.	DESCRIPTION	QTY.
A		

CONN A: SEL SP PULSE(+), TP14, (-) VF SAMPLE, FEED PAPER(+), (-) VF BUSY, LINE COUNT(+), PF RDY(+), (-) READY, AUTO LINEFEED, TOF CH(+), (-) EPO, (-) VFU FEED, (-) PR RDY, (-)PAPER LOW, PAPER RUNOUT(+)

CONN B: (-) PAPER ALARM, (-) PRINT INHIBIT, RUN REMOTE(+), RUN(+), CH8 VI2, VFU CH12(+), CH1, VFU CH8(+), CH1, VFU CH1(+), VFU CH11(+), VFU CH2(+), VFU CH4(+), VFU CH6(+), VFU CH5(+), VFU CH3(+), VFU CH7(+), TP11, VFU CH10(+), VFU CH9(+), +6.5V, D.C RTN, (-)PC LATCH, BOF CH(+), HOME SW(NO), LINE SW(NO), PAPER LOW (NC), VFU CH8 VI2, RUN REMOTE(+), DIABLE STROBE, LINE STROBE(+), LINE STROBE, (-) BIT 1, (-) BIT 2, (-) BIT 3, (-) BIT 4, (-) BIT 7, (-) BIT 5, (-) BIT 6, VFU CH10(+), VFU CH9(+), +6.5V, D.C RTN

JAN 08 1979

E-REV. O

NO	REVISION	BY	DATE
0/6	ORIGINATED PER DWR #377 & 755 APPROVED 12-2-78	4 18 11 16	12-2-78
1/6	REVISED PER ECN # 7312 APPVD. 12-2-78	4 6 12 16	12-2-78
2/6	REVISED PER ECN # 9334 APPVD. 8-2-79	CR 5-28	8-2-79

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION

WANG LABORATORIES INC. TEWKSBURY MASS. U.S.A.

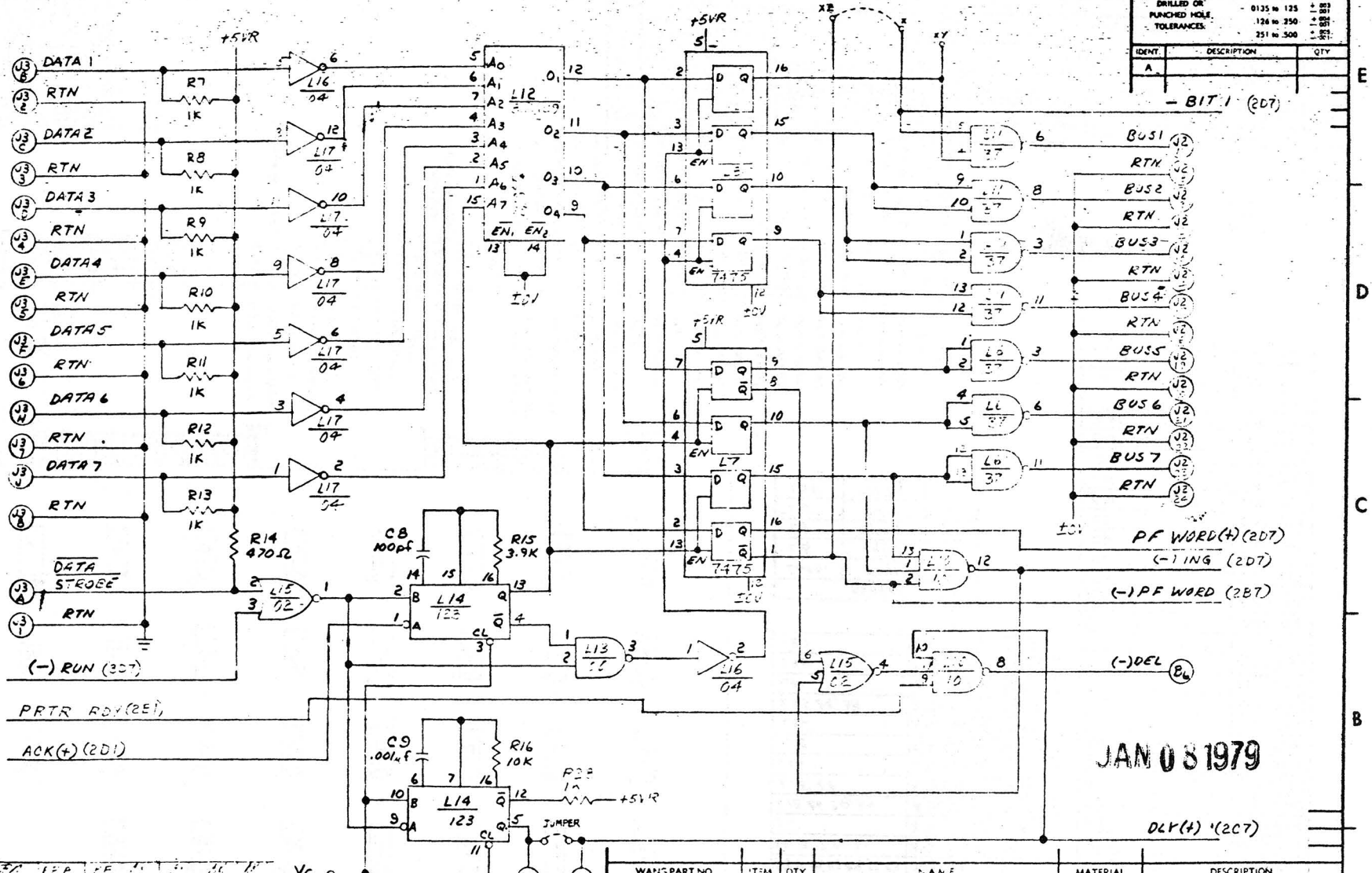
MATERIAL	MODEL NO 2200 A	FINISH
	SEE ENGRG SPECIFICATIONS No.	TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1° 30' FINISH √ 125
	SCALE 3/4	SHT 1 OF 1

BY	DATE	APPROVED BY	DATE
DWN E.A.J.	[illegible]	E ENGR	
CHK [illegible]	5-2-79	M ENGR	
E C CONTROL		MFG ENGR	

TITLE: PAPERFEED CONTROL

210-7386	C	7386	2
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

9827 C



JAN 08 1979

REVISION	BY	DATE
NO	DRAWN PEK	8-14-78
	APVD	
1	REVISED PEK	8-14-78
1	ECN # 1444	
	APVD	

WANG PART NO	ITEM	QTY	NAME
QTY PER UNIT	FIRST USED ON	ASSY USED ON	

WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.

MATERIAL	MODEL NO	2263 W
	SEE ENGRG SPECIFICATIONS	
FINISH	TOLERANCES UNLESS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH √	
	SCALE 1/2	SHEET OF

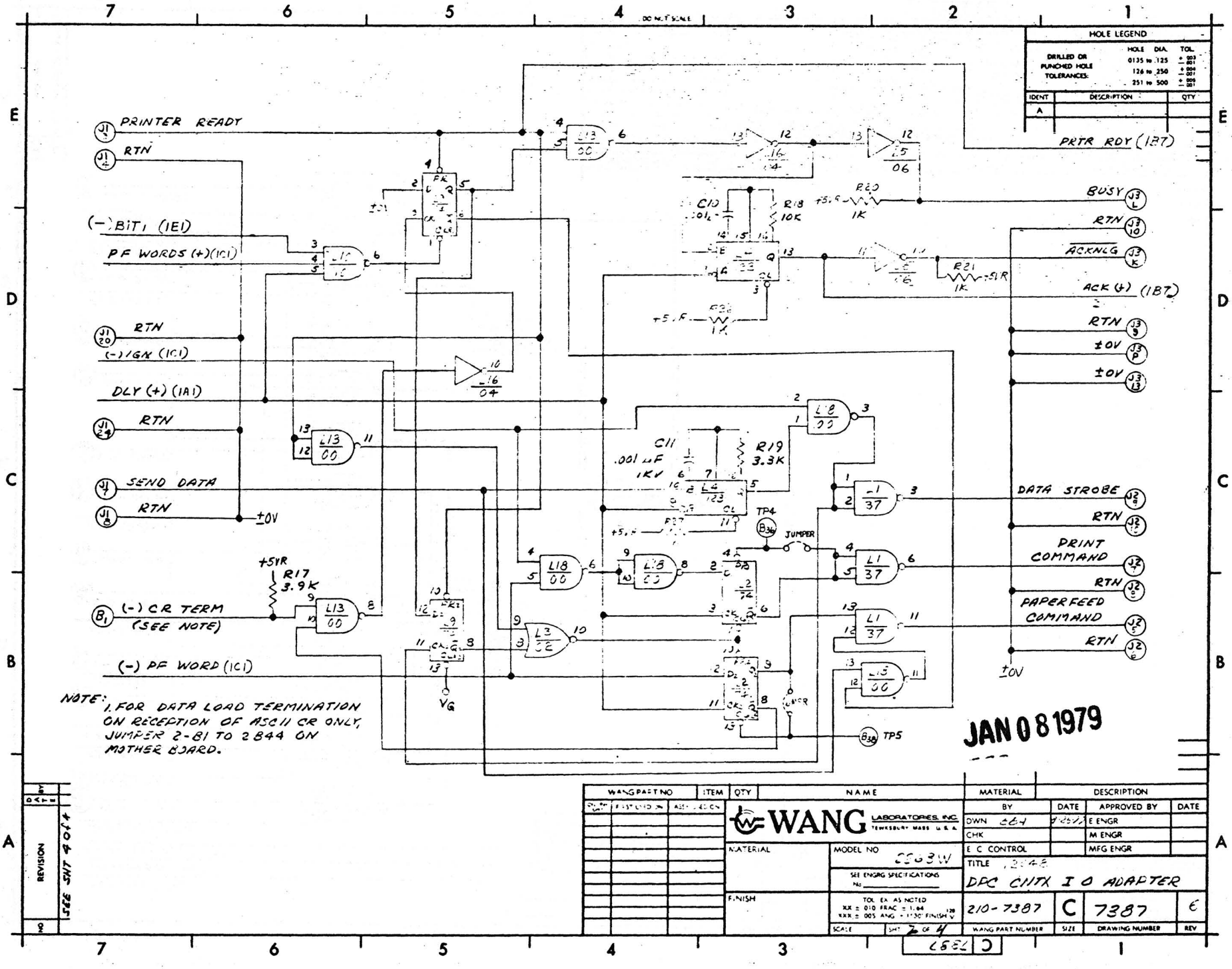
MATERIAL	DESCRIPTION

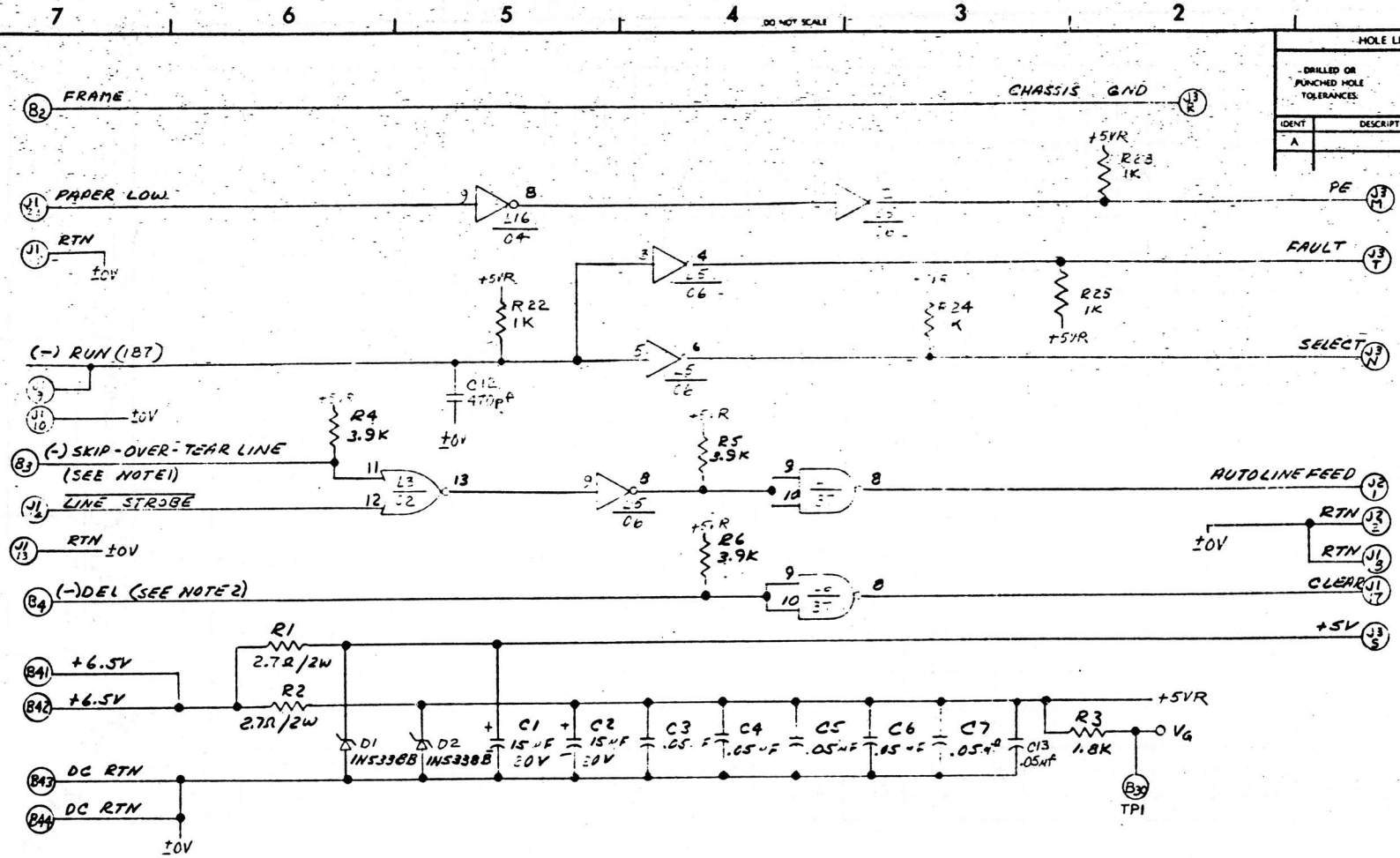
BY	DATE	APPROVED BY	DATE
DWN [illegible]		E ENGR	
CHK		M ENGR	
E C CONTROL		MFG ENGR	

TITLE DF2/DMTX, I O ADAPTER

210-2387	C	7387	
WANG PART NUMBER	SIZE	DRAWING NUMBER	REV

7387 D


PRINTER READY
RTN
(-) BIT 1 (IE1)
PF WORDS (+) (IC1)
RTN
(-) IGN (IC1)
DLY (+) (IA1)
RTN
SEND DATA
RTN
±0V
+5VR
R17 3.9K
(-) CR TERM (SEE NOTE)
(-) PF WORD (IC1)
VG
C10 .001 µF
R18 10K
R20 1K
C11 .001 µF 1KV
R19 3.3K
R21 1K
R22 1K
TP4
JUMPER
TP5
PRTR RDY (127)
BUSY
RTN
ACKNLG
ACK (+) (IB7)
RTN
±0V
±0V
DATA STROBE
RTN
PRINT COMMAND
RTN
PAPERFEED COMMAND
RTN
±0V
NOTE: 1. FOR DATA LOAD TERMINATION ON RECEPTION OF ASCII CR ONLY, JUMPER 2-B1 TO 2844 ON MOTHER BOARD.
HOLE LEGEND
DRILLED OR PUNCHED HOLE TOLERANCES:
HOLE DIA. TOL.
0135 to .125 ± .003 ± .001
126 to .250 ± .004 ± .001
251 to .500 ± .005 ± .001
IDENT DESCRIPTION QTY
A
JAN 08 1979
WANG PART NO ITEM QTY NAME MATERIAL DESCRIPTION
WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.
BY DATE APPROVED BY DATE
DWN E.C.H. 9/25/78 E ENGR
CHK M ENGR
E C CONTROL MFG ENGR
MATERIAL MODEL NO 2253W
SEE ENGRG SPECIFICATIONS NO.
TITLE DPC CNTX I O ADAPTER
FINISH TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1/2° FINISH √
SCALE SHT 2 OF 4
210-7387 C 7387 C
WANG PART NUMBER SIZE DRAWING NUMBER REV
REVISION
NO
SEE SHT 4 OF 4
DO NOT SCALE



NOTES:
1. FOR SKIP OVER TEAR LINE OPTION JUMPER 2-B3 TO 2-B94 ON MOTHER BOARD.
2. FOR BUFFER CLEAR ON RECEPTION OF ASCII DEL, ADD JUMPER 2-B4 TO 2-B9 ON MOTHER BOARD. REMOVE 4 B2 TO 4-B94

JAN 08 1975

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
WANG LABORATORIES, INC. TEWKSBURY MASS U.S.A.				BY	DATE
MODEL NO 2263 W				DWN	E ENGR
SEE ENGRG SPECIFICATIONS No				CHK	M ENGR
				E C CONTROL	MFG ENGR
				TITLE DPC/CNTX I O ADAPTER	
TOL EX AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG ± 1°30' FINISH V				210-7387	C 7387
SCALE 1/1 SHT 1 OF 1				WANG PART NUMBER	SIZE DRAWING NUMBER REV

REVISION

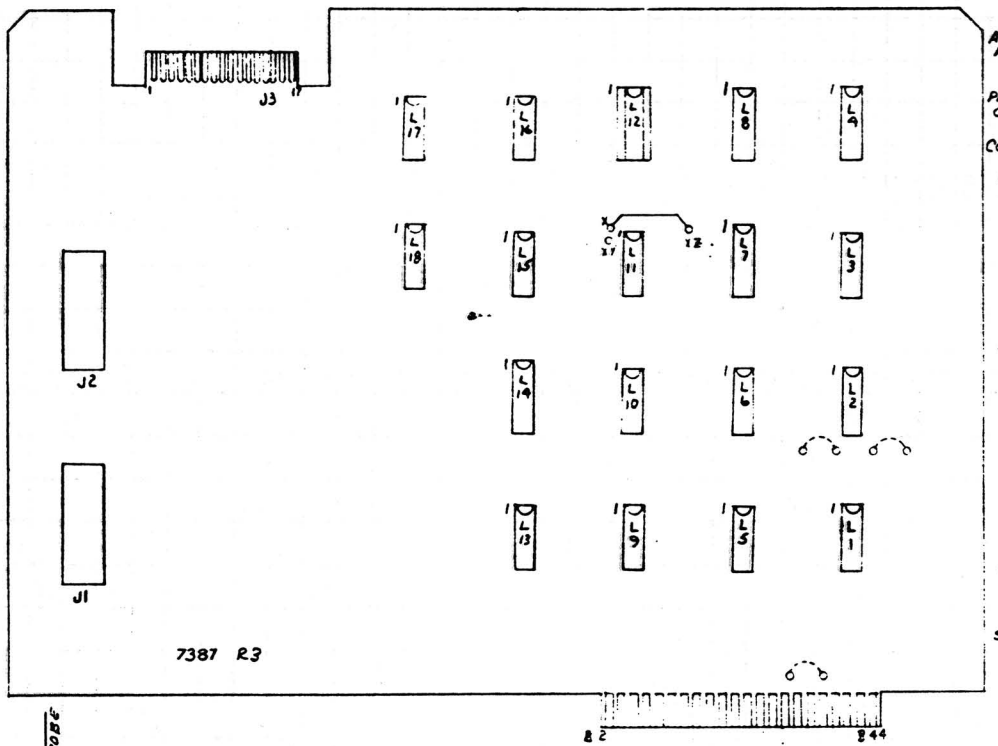
SEE SHT 4 OF 4

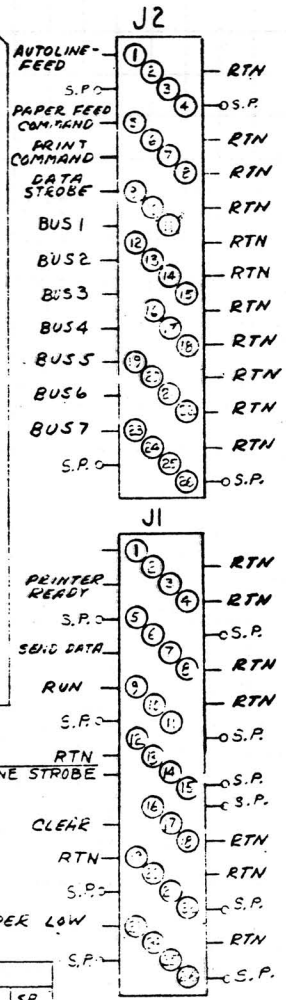
7387 D

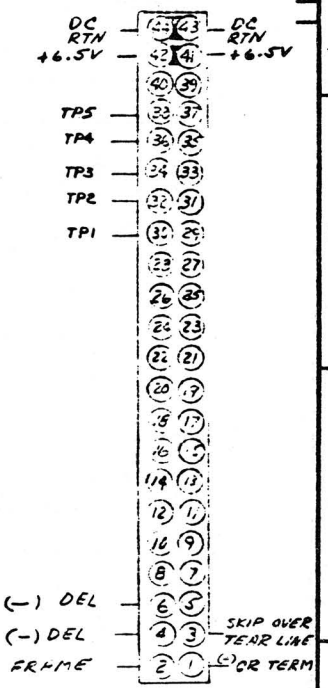
DO NOT SCALE

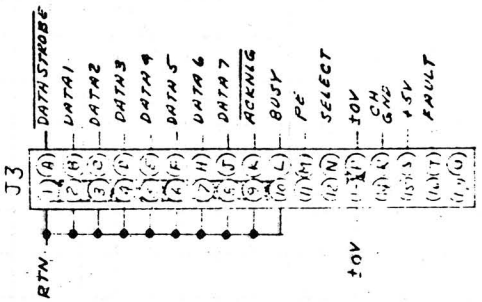
HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	±
	.126 to .250	±
	.251 to .500	±

IDENT	DESCRIPTION	QTY.
A		









COMPONENT	W.L. PT. NO
R1	337-0057
R2	337-0028
R3	330-3018
R4,5,6,15,17	330-3039
R7-13,20-22	330-3042
R14	330-2047
R16-18	330-4010
R19	330-3053
C1,2	306-0022
C3-7,23	300-1900
C8	300-1906
C9-14	300-1906
D1,2	340-0030
U1,2	300-0117
L12	376-0004

SPARES		
LOCN.	TYPE	SP
L16	7404	1
L7	7402	1
L15	7402	2

LOCATION	W.L. PT. NO.	QTY	GAUGE
L1, 6, 11	376-0006	4	7
L2, 9	376-0006	4	7
L3, 15	376-0010	14	7
L4, 14	376-0005	6	8
L5	376-0005	14	7
L7, 8	376-0015	5	12
L10	376-0003	14	7
L12	376-0004	16	8
L13, 18	376-0002	14	7
L16, 17	376-0010	14	7

JAN 08 1979

E-REV 2

DATE	BY	REVISION	NO
		SEE SHT. 1 OF 1	

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION

WANG LABORATORIES INC. TEWKSBURY MASS. U.S.A.

	DATE	APPROVED BY	DATE
DWN		ENGR	
CHK		M. ENGR	
E.C. CONTROL		MFG ENGR	

MATERIAL

MODEL NO 2200W

SEE ENGRG SPECIFICATIONS No.

FINISH

TITLE

DOC PRINTER I/O ADAPTER

SCALE	SHT. OF	SIZE	DRAWING NUMBER	REV
		C	7387	D

"THIS DRAWING AND THE DATA SHOWN THEREON ARE THE CONFIDENTIAL PROPERTY OF AND ARE PROPRIETARY TO WANG LABORATORIES, INC. THIS DRAWING AND THE DATA SHOWN THEREIN MAY NOT BE MADE PUBLIC WITHOUT THE WRITTEN CONSENT OF WANG LABORATORIES, INC. IF FOR ANY REASON THIS DRAWING IS PERMITTED BY WANG TO LEAVE THE PHYSICAL CUSTODY OF THE COMPANY, IT IS RETURNABLE UPON THE DEMAND OF WANG LABORATORIES, INC."

DO NOT SCALE

SIGNAL	87	86	81	84	85	83	83	83	83	83	83	83	80	J	P	S.P.	82
A1₁						A1 A2									P1-1		
A1₂							A1 A2								P2-1		
A1₃								A1 A2							P3-1		
A1₄									A1 A2						P4-1		
A1₅										A1 A2					P5-1		
A1₆											A1 A2				P6-1		
A1₇												A1 A2			P7-1		
A1₈													A1 A2		P8-1		
A2₁						A3 A4									P1-2		
A2₂							A3 A4								P2-2		
A2₃								A3 A4							P3-2		
A2₄									A3 A4						P4-2		
A2₅										A3 A4					P5-2		
A2₆											A3 A4				P6-2		
A2₇												A3 A4			P7-2		
A2₈													A3 A4		P8-2		
A3₁						A5 A6									P1-3		
A3₂							A5 A6								P2-3		
A3₃								A5 A6							P3-3		
A3₄									A5 A6						P4-3		
A3₅										A5 A6					P5-3		
A3₆											A5 A6				P6-3		
A3₇												A5 A6			P7-3		
A3₈													A5 A6		P8-3		
A4₁						A7 A8									P1-4		
A4₂							A7 A8								P2-4		
A4₃								A7 A8							P3-4		
A4₄									A7 A8						P4-4		
A4₅										A7 A8					P5-4		
A4₆											A7 A8				P6-4		
A4₇												A7 A8			P7-4		
A4₈													A7 A8		P8-4		
A5₁						A9 A10									P1-5		
A5₂							A9 A10								P2-5		
A5₃								A9 A10							P3-5		
A5₄									A9 A10						P4-5		
A5₅										A9 A10					P5-5		
A5₆											A9 A10				P6-5		
A5₇												A9 A10			P7-5		
A5₈													A9 A10		P8-5		
A6₁						A11 A12									P1-6		
A6₂							A11 A12								P2-6		
A6₃								A11 A12							P3-6		
A6₄									A11 A12						P4-6		
A6₅										A11 A12					P5-6		
A6₆											A11 A12				P6-6		
A6₇												A11 A12			P7-6		

SIGNAL	87	86	81	84	85	83	83	83	83	83	83	83	83	80	J	P	S.P.	82
A6₈													A11 A12			P8-6		
A7₁						A13 A14										P1-7		
A7₂							A13 A14									P2-7		
A7₃								A13 A14								P3-7		
A7₄									A13 A14							P4-7		
A7₅										A13 A14						P5-7		
A7₆											A13 A14					P6-7		
A7₇												A13 A14				P7-7		
A7₈													A13 A14			P8-7		
A8₁						A15 A16										P1-8		
A8₂							A15 A16									P2-8		
A8₃								A15 A16								P3-8		
A8₄									A15 A16							P4-8		
A8₅										A15 A16						P5-8		
A8₆											A15 A16					P6-8		
A8₇												A15 A16				P7-8		
A8₈													A15 A16			P8-8		
A9₁						A17 A18										P1-9		
A9₂							A17 A18									P2-9		
A9₃								A17 A18								P3-9		
A9₄									A17 A18							P4-9		
A9₅										A17 A18						P5-9		
A9₆											A17 A18					P6-9		
A9₇												A17 A18				P7-9		
A9₈													A17 A18			P8-9		
A10₁						A19 A20										P1-10		
A10₂							A19 A20									P2-10		
A10₃								A9 A20								P3-10		
A10₄									A9 A20							P4-10		
A10₅										A9 A20						P5-10		
A10₆											A9 A20					P6-10		
A10₇												A19 A20				P7-10		
A10₈													A9 A20			P8-10		
A11₁						A21 A22										P1-11		
A11₂							A21 A22									P2-11		
A11₃								A6 A22								P3-11		
A11₄									A6 A22							P4-11		
A11₅										A21 A22						P5-11		
A11₆											A21 A22					P6-11		
A11₇												A21 A22				P7-11		
A11₈													A21 A22			P8-11		
A12₁						A23 A24										P1-12		
A12₂							A23 A24									P2-12		
A12₃								A23 A24								P3-12		
A12₄									A23 A24							P4-12		
A12₅										A23 A24						P5-12		
A12₆											A23 A24					P6-12		

SIGNAL	87	86	81	84	85	83	83	83	83	83	83	83	83	80	J	P	S.P.	82
A12₇												A23 A24				P7-12		
A12₈													A23 A24			P8-12		
A13₁						A25 A26										P1-13		
A13₂							A25 A26									P2-13		
A13₃								A25 A26								P3-13		
A13₄									A25 A26							P4-13		
A13₅										A25 A26						P5-13		
A13₆											A25 A26					P6-13		
A13₇												A25 A26				P7-13		
A13₈													A25 A26			P8-13		
A14₁						A27 A28										P1-14		
A14₂							A27 A28									P2-14		
A14₃								A27 A28								P3-14		
A14₄									A27 A28							P4-14		
A14₅										A27 A28						P5-14		
A14₆											A27 A28					P6-14		
A14₇												A27 A28				P7-14		
A14₈													A27 A28			P8-14		
A15₁						A29 A30										P1-15		
A15₂							A29 A30									P2-15		
A15₃								A29 A30								P3-15		
A15₄									A29 A30							P4-15		
A15₅										A29 A30						P5-15		
A15₆											A29 A30					P6-15		
A15₇												A29 A30				P7-15		
A15₈													A29 A30			P8-15		
A16₁						A31 A32										P1-16		
A16₂							A31 A32									P2-16		
A16₃								A31 A32								P3-16		
A16₄									A31 A32							P4-16		
A16₅										A31 A32						P5-6		
A16₆											A31 A32					P6-16		
A16₇												A31 A32				P7-16		
A16₈													A31 A32			P8-16		
A17₁						A33 A34										P1-17		
A17₂							A33 A34									P2-17		
A17₃								A33 A34								P3-17		
A17₄									A33 A34							P4-17		
A17₅										A33 A34						P5-17		
A17₆											A33 A34					P6-17		
A17₇												A33 A34				P7-17		

JAN 08 1979

WANG LABORATORIES, INC.	BY	DATE	APPROVED BY	DATE
	CWN		E ENGR	
MATERIAL	MODEL NO		CHK	M ENGR
	SEE ENGRG SPECIFICATIONS			MFG ENGR
FINISH	TOL EX AS NOTED	TITLE	PRINTER MOTHERBOARD	
	XX ± FRAC ±	210-7388	D	7388	1
	XXX ± ANG ± FINISH	SCALE 1/1 SHT 1 OF 1	MADE PART NUMBER	SIZE	DRAWING NUMBER	REV

D 7388

REVISION

DO

DO NOT SCALE

| | | |

DO NOT SCALE

SIGNAL	B7	B6	B1	B4	B5	B3	B3	B3	B3	B3	B3	B3	B0	J	P	S.P.	B2
OF		A32	A17														
PHASE 1(+)													A33		P9-B		
PHASE 1(-)													A22		P9-D		
PHASE 2(+)													A27		P9-1		
PHASE 2(-)													A29		P9-A		
PHASE 3(+)													A24		P9-4		
PHASE 3(-)													A30		P9-C		
PHASE 4(+)													A31		P9-2		
PHASE 4(-)													A32		P9-3		
CLEAR OF SW(-)																	TB1-5
POWER ON SW(-)																	TB1-4
PRINT(-)			B25	A14									A34				
PRINT COMMAND			B1											J2-7			
PRINTER RDY	J1-3																
PRINTER RDY			B7											J1-3			
PRINTER RDY(-)		A14	A8														
PRINTER RDY			A23														
PR. T FINISH(-)			A4	A4													
PRINT IND(-)				A11													
PRINT STB(+)			A12	A12													
P.S. NEUTRAL SW																	TB2-5
READY(-)		A34		A24									B19				
READY(+)													B34		P10-A		TB1-14
RIBBON S.V.													B24 B30		P9-T P9-U		
RIBBON CUT INDEX				B25											P12-S		
RIBBON SUPPLY																	TB1-2
RIBBON TRACK													B7 B21	J1-1	P11-14 P11-15		
RUN			B9														
RUN	J1-9																
RUN			B27											J1-9			
RUN(+)		B8	A32														
RUN LOCAL(+)			A38														
RUN MOTOR NEUTRAL SW																	TB2-7
RUN REMOTE(+)		36 B13	A34														
RUN SW (N.O.)			B38												P11-5		
SCAN DATA(-)			A10	A10													
SEND DATA			B15											J1-7			
SINGLE SPACE PULSE(+)		A2															
SHIFT PULSE(-)					B29	B30											
SKID OVER TEAR LINE SW	B3																
SPACE CODE(-)			A3 A5														
START MOTOR NEUTRAL SW																	TB2-9
STEP STB(-)													A43		P9-H		
STOP(+)			A7												P11-3		
STOP SW (N.O.)			B14														
SYSCLR(+)			A15														

SIGNAL	B7	B6	B1	B4	B5	B3	B3	B3	B3	B3	B3	B3	B0	J	P	S.P.	B2
TOF CH(+)		A20 A21 A33													P11-P		
TP 1	B30																
TP 2	B32																
TP 3	B34																
TP 4	B36															-	
TP 5	B38																
TP 6		A12															
TP 7		A3															
TP 8		B36															
TP 9			B30														
TP 10			A26														
TP 11			A28														
TP 12			A30														
TP 13			A32														
TP 14			A34														
TP 15			A33														
TP 16			A35														
TP 17			A36														
TP 18													B23				
TP 19													B4				
TP 20													A35				
TP 21													A44				
TP 22													A10				
TP 23													A2				
TP 24													A12				
TP 25													A6				
TP 26													A8				
TP 27													B9				
TP 28													A4				
SPEED DRIVE													B26		P9-17		
UPPER INBAND TRACK SENSE													B20		P9-12		
UPPER OUT-BAND TRACK SENSE													B12		P9-N		
PRINTER END(-)				A7									B2		P9-M		
FACILITY AC NEUTRAL																	TB1-1
VFU BUSY(-)		A28		A28													
VFS SAMPLE(-)		A24 A2															
VFU CH2(+)		B14 B24													P11-N		
VFU CH3(+)		B32													P11-14		
VFU CH4(+)		B26													P11-17		
VFU CH5(+)		B30													P11-15		
VFU CH6(+)		B28													P11-16		
VFU CH7(+)		B34													P11-13		
VFU CH9(+)		B40													P11-H		
VFU CH10(+)		B37													P11-11		
VFU CH11(+)		B39													P11-M		
VFU CH12(+)		B12													P11-R		
VFU FEED(-)		A42															

SIGNAL	B7	B6	B1	B4	B5	B3	B3	B3	B3	B3	B3	B3	B0	J	P	S.P.	B2
WT3(-)			A19	A19													
XFER CHAR COUNT(-)					B32												
XFER DLY(-)				B27	B28												
TOF LATCH IND				A32											P12-2		
TOF OPEN SW(-)				A19									B37		P12-D		
VCKE RDY(+)			A14 A27	A6 B31									B25				
T LINE SW (N.O.)		37													P11-9		
6/8 LPI SW(N.O.)													B39		P10-E		
V2 STB (-)													B8				
T3 STB(-)													A37		P9-F		
DIRECT2(-)																	
136 VRC DECODE(-)			B12														
ØCLOCK1(+)					B18												
ØCLOCK2(+)					B20												
ØREG 0(+)				B15	B16												
ØREG 1(+)				B13	B14												
ØSTB (+)					B38												
Ø CLEAR(-)					B23	B35					B35						
Ø CLOCK						B37					B36						
Ø1 FIRE PULSE(-)					B39	B39					B39						
Ø1 LATCH RESET(+)					A44	B26					B26						
Ø1 CLOCK(-)					B31						B37						
Ø2 CLEAR(-)					B21		B35					B35					
Ø2 CLOCK(-)					B29							B37					
Ø2 FIRE PULSE(-)					B37		B39					B39					
Ø2 LATCH RESET(+)					A42		B26					B26					
Ø2 CLOCK							B37					B36					
Ø3 CLEAR(-)					B19			B35					B35				
Ø3 CLOCK(-)					B27								B37				
Ø3 FIRE PULSE(-)					B35			B39					B39				
Ø3 LATCH RESET(+)					A40			B26					B26				
Ø3 CLOCK								B37					B36				
Ø4 CLEAR(-)					B17				B35				B35				
Ø4 CLOCK(-)					B25								B37				
Ø4 FIRE LEVEL(-)					B33				B39				B39				
Ø4 LATCH RESET(+)					A38				B26				B26				
Ø4 CLOCK									B37				B36				
Ø5 LOAD(+)			B39		B40	B40			B40	B40							
Ø5 FLAG1/16(+)					B33												
Ø5 FLAG1(+)						B33											
Ø5 FLAG4(+)								B33									
Ø5 FLAG8(+)								B33									

JAN 08 1979

WANG LABORATORIES, INC.							
MATERIAL	MODEL NO 2263W						
	SEE ENGR SPECIFICATIONS No.						
FINISH	TOL EX AS NOTED .XX ± .XXX ± FRAC ± ANG ± FINISH						
	PRINTER MOTHERBOARD						
	210-7388	D	7388	1			
	SCALE 1/2	WT 3 lbs 5 oz					

REVISION

NO | BY | DATE | APPROVED | DAT

A | 1 | 1-8-79 | E.SNGR | M.ENGR | M.G.ENGR

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DO NOT SCALE

SIGNAL	B7	B6	B5	B4	B3	B2	B1	B0	J	P	S.P.	P.2
$\emptyset_1$ FLAG16(+)							333					
$\emptyset_2$ FLAG16(+)						B73						
$\emptyset_3$ FLAG16(+)						833						
$\emptyset_4$ FLAG16(+)							B33					
$\emptyset_1$ FLAG17(+)				B38			B40					
$\emptyset_2$ FLAG17(+)				B38		B40						
$\emptyset_3$ FLAG17(+)				B38		B40						
$\emptyset_4$ FLAG17(+)				B38		B40						
48 CHAR SET (-)			B3									
96 CHAR SET (-)			B5									
7 (+)		A5										
8 (+)		A3										
	A28									P11-F		
CARD INTCK (20V)			B30									
			B28 B28									
			B30 B30									
			B28 B28									
			B30 B30									
			B28 B28									
			B30 B30									
			B28 B28									
SEND DATA	J1-7											
-15V		B36	B36	B36				B34			GRN	TB1-18
+15V			B17					B17			YEL	TB1-17
+6.5V	B42	B42	B42	B42	B42	B42	B42	B42		P12-T	RED	TB1-20
+40VDC					A35	A35	A35	A18			BLU	TB1-13
+40VDC					A39	A39	A39	A20				
+40VDC					A40	A40	A40					
+40VDC					A41	A41	A41					
+40VDC					A43	A43	A43					
40V RTN (-)					B1	B1	B1	A26 A28			BLK	
40V RTN (20V)					B2	B2	B2					
40V RTN (20V)					B3	B3	B3					
40V RTN (20V)					B5	B5	B5					
40V RTN (20V)					B6	B6	B6					
40V RTN (20V)					B7	B7	B7					
40V RTN (20V)					B8	B8	B8					
40V RTN (20V)					B9	B9	B9					
					B10	B10	B10					
24 VAC												TB1-9
40V RTN (20V)					B11	B11	B11					
40V RTN (20V)					B12	B12	B12					
40V RTN (20V)					B13	B13	B13					
40V RTN (20V)					B14	B14	B14					
40V RTN (20V)					B15	B15	B15					
40V RTN (20V)					B16	B16	B16					
40V RTN (20V)					B17	B17	B17					
					B18	B18	B18					
+4C								B29		P9-R		
+4C										P9-L		
+5B								B31		P9-E		
+5B										P9-F		
+5A								B33		P10-K		
RTN (20V)		B33							J2-6	P11-D		
RTN (20V)		B35							J2-8	P11-E		
RTN (20V)		B37							J2-10	P11-J		
									J2-12	P11-H		
									J2-14	P11-L		
									J2-16	P11-M		
										P10-L		
										P10-N		
										P10-J		

SIGNAL	B7	B6	B5	B4	B3	B2	B1	B0	J	P	S.P.	P.2
RTN (20V)			B39									
RTN (20V)				B34								
RTN (20V)				B40								
RTN (20V)												
RTN (20V)	B43 B44	B43 B44	B43 B44	B43 B44	B43 B44	B43 B44	B43 B44	B43 B44	B43 B44	B43 B44	B43 B44	B43 B44
RTN (20V)								B40				
									J1-18	P11-I		
									J2-20	K		
									J2-22	P11-C		
									J2-24	C		
									J1-8	P11-B		
									J1-10	B		
									J1-13	P11-L		
									J1-18	L		
									J1-2	P11-A		TB1-19
									J1-4	A		
									J1-20	P11-I		
									J1-24	I		
RTN												
										P3-2	P10-	
										P3-4	P10-13	
										P3-11	P10-	
										P3-14	P10-14	
										P3-23	P9-5	
										P3-24	P9-6	
											P9-7	
											P9-8	
											P9-9	
											P9-10	
											P10-1	
											P10-2	
											P10-3	
											P10-4	
											P10-5	
											P10-6	
											P10-7	
											P10-8	
											P10-9	
RTN											P10-10	

SIGNAL	B7	B6	B5	B4	B3	B2	B1	B0	J	P	S.P.	P.2

JAN 08 1979

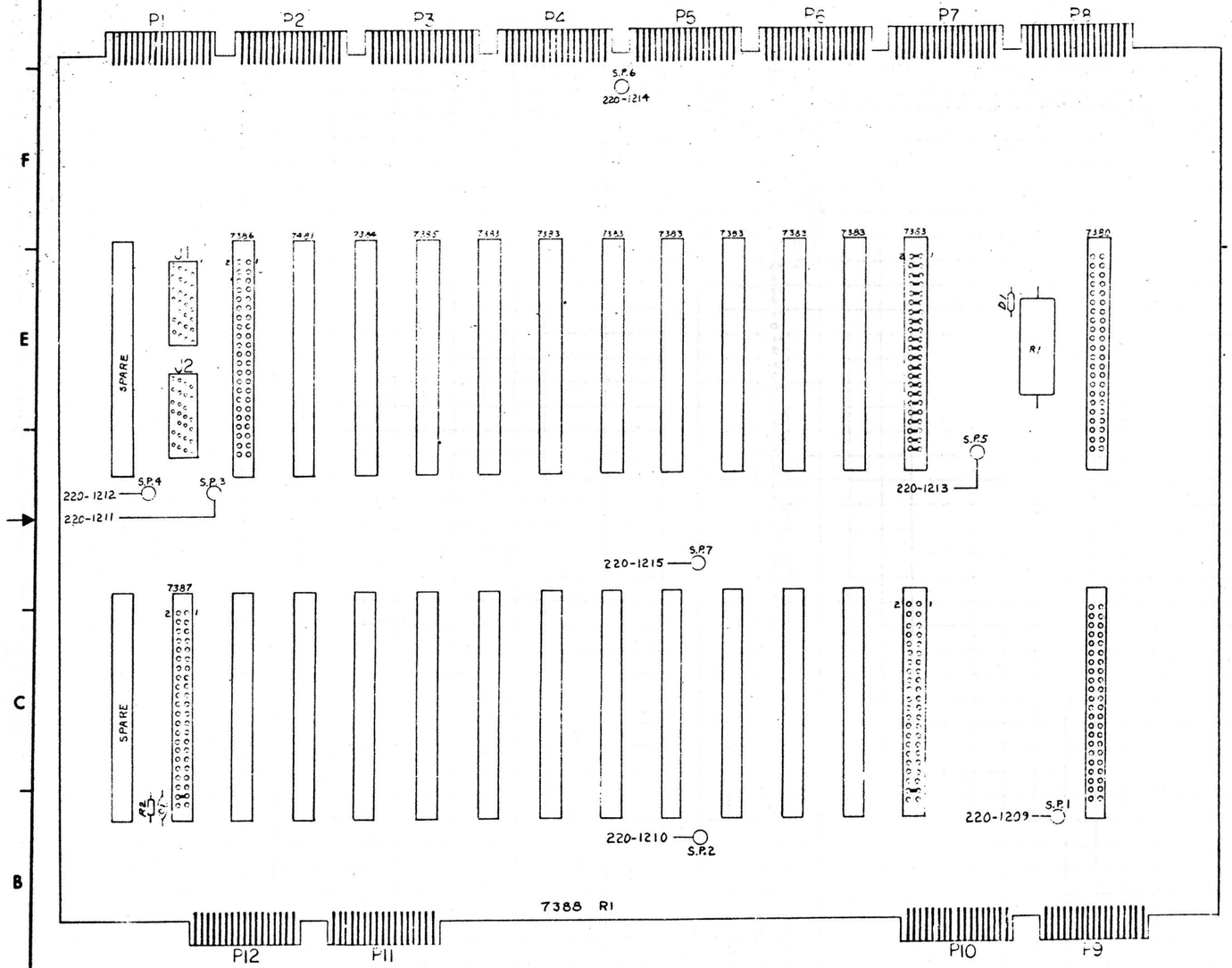
MATERIAL		DWG NO 22631W	PRINTER MOTHERBOARD
FINISH	TOL. EX. AS NOTED		210-7388 D 7388 1

REVISION

D 7388

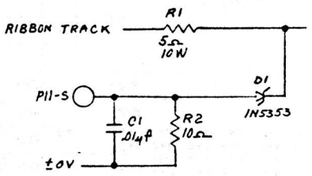
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DO NOT SCALE



COMPONENT LAYOUT

COMPONENT	W.L. PART NO	TYPE	QTY
J1,J2	220-3056	CABLE ASSY	2
CONN	350-0059	44 P.C. CONN.	37
D1	380-2140	INS 53	1
R1	334-0040	5Ω 5W 5%	1
R2	330-4010	10K 1/4W 10%	1
C1	300-1934	.01μF CERAMIC	1
S.P.1	220-1209	BLK WIRE	1
S.P.2	220-1210	RED WIRE	1
S.P.3	220-1211	YEL WIRE	1
S.P.4	220-1212	GRN WIRE	1
S.P.5	220-1213	BLU WIRE	1
S.P.6	220-1214	WHT WIRE	1
S.P.7	220-1215	BLK WIRE	1



JAN 08 1979

E-REV
0

NO.	REVISION	BY	DATE
0	ORIGINATED PER DWR #E445 APP'D 12-8-78	JD	12-8-78
1	REVISED PER ECN #9,968769 APP'D 12-8-78	JD	12-8-78

BY	DATE	APPROVED BY	DATE
DWN		E ENGR	
CHK		M ENGR	
		MFG ENGR	

WANG LABORATORIES, INC. LOWELL, MASS. U.S.A.

MATERIAL

FINISH

MODEL NO 236-A

SEE ENGRG SPECIFICATIONS No.

TOL ES AS NOTED
XX ± FRAC ±
XXX ± ANG ± FINISH

SCALE SHT OF

TITLE PRINTER MOTHERBOARD

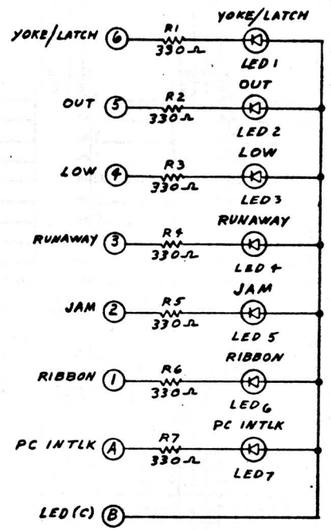
210-7388 | D | 7388 | 1

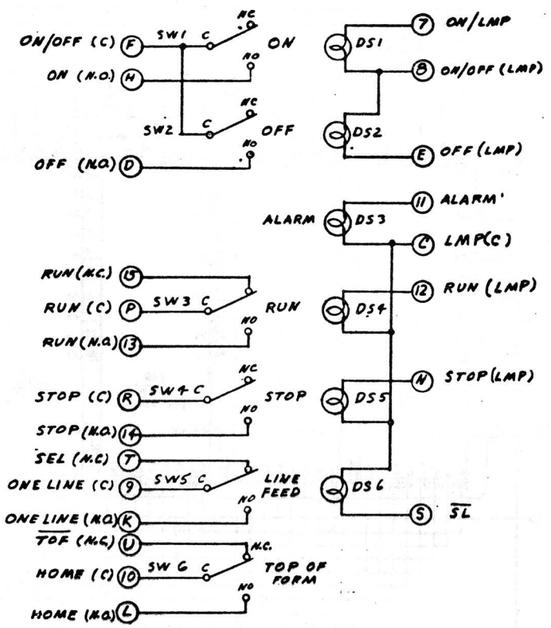
MANF. PART NUMBER | SIZE | DRAWING NUMBER | REV

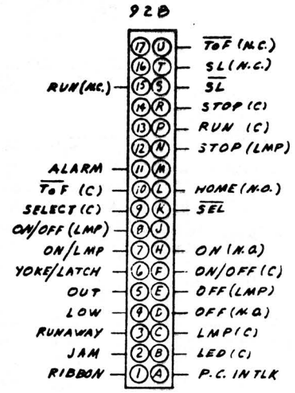
D 7388

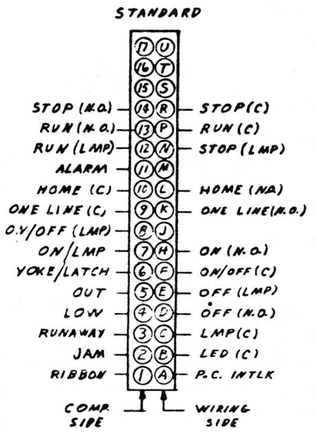
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DO NOT SCALE

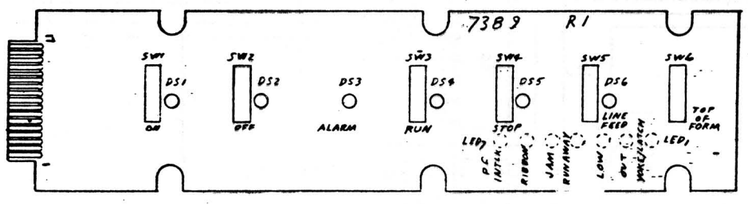








COMPONENT LAYOUT



COMPONENT	N. L. PART NO.	TYPE
R1-7	330-2033	330Ω 1/4W 10%
SW1-6	325-2305	MICRO SWITCH
DS1-6	370-0023	LAMP TYPE T-1
DS1-6	370-1020	LAMP HOLDER
DS1-6	652-3002	#6-32 HEX NUT
LED 1-7	370-0026	LAMP RED LED

E-REV.
3

JAN 09 1979

NO.	REVISION	BY	DATE
1/0	ORG. REL DWG. RELEASED	[illegible]	7-20-78
1/1	REVISED PER ECO #0711 APP: D.A. 8-3-78	[illegible]	7-20-78

WANG LABORATORIES, INC. LOWELL, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
	DWN [illegible]	7-20-78	E ENGR B.FISH	8-3-78
	CHK [illegible]	8-2-78	M ENGR	
			MFG ENGR	

MATERIAL

MODEL NO 2200W
SEE ENGRG SPECIFICATIONS No.

FINISH

TOL EX AS NOTED
XX ± FRAC ±
XXX ± ANG ± FINISH √

TITLE PRINTER KEYBOARD

WANG PART NUMBER	SIZE	DRAWING NUMBER	DEV
210-7389	D	7389	1

SCALE NONE SHT 1 OF 1

D 7389

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MILLIMETERS IN PARENTHESIS.
TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.

DO NOT SCALE

HOLE LEGEND & TOLERANCES

HOLE DIA	TOLERANCE
.0130 - .125	+ .003 - .001
.126 - .246	+ .004 - .001
.247 - .500	+ .005 - .001

DESCRIPTION | QTY.

DEC 07 1978

CHANGE PROCESS

PER [illegible] 9596

DATE NOV 13 1978

SEE SHT 3 of 3

QTY.	ITEM	WANG PART NO.	DRAWING NO.	DESCRIPTION
NEXT ASSY.				

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	ER	1-4-79	E ENGR	
CHK			M ENGR	
			MFG ENGR	

MATERIAL

MODEL NO. 2281/2281E
SEE ENGRG. SPECIFICATIONS
No.

FINISH

TOL EX. AS NOTED
XX ± FRAC. ±
XXX ± ANG. ± FINISH √

TITLE DIABLO PRINTER/PLOTTER CONTROL

SCALE | SHT 1 OF 3

210-7443	D	7443	9
WANG PART NUMBER	SIZE	DRAWING NUMBER	DEV.

D 7443

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DIMENSIONS IN PARENTHESIS, TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.

DO NOT SCALE

HOLE LEGEND & TOLERANCES

HOLE DIA	TOLERANCE
.055 - .125	+ .003 - .001
.126 - .250	+ .004 - .001
.251 - .500	+ .005 - .001

SYM.	DESCRIPTION	QTY.
A		

SEE CHART

J2: +10V, SPARE 2, HOME (←), SET MARGIN (→), INC. SPACING (↕), CR/LF (↓), SHIFT, +5V

DAN3 4.7K, DAN4 4.7K, DAN5 4.7K, DAN6 4.7K, DAN7 4.7K, DAN8 4.7K +5VR

L24 LS367 — MAN (18J)

L2 LS368, L1 LS367 — CH, CO, RD, PR, CRR, PFR, PWR, ER, SPARE, ToF, SEL, J2 2, J2 3, SEL

R23–R26 2.2K, C12–C15 .002μF, ±8V

R27–R31 2.2K, C16–C20 .002μF, ±10V

R32 4.7K ±5V; R33, R34 4.7K ±5VR

BK9 (1D3), MAH, MAH (1D5), MSH (1C5), MSA (1C5), MZH (1D5), MZH (1C5)

J4 — DO NOT LOAD FOR 2281P — CABLE ASSY 220-1147 — CAR, CHAR, CHAL EXTERNAL

L42 LS04, L41A 00, L41B 00, R48 10K +5VR, R49 10K +5VR

L13 42 — Aug A12 (1E7), A12 (1B4), BK2 (1D6), CE1–CE6 (1E7), JUMPERS: =2281, =2281P

L21 14, L22 74, L27 9602, L34 00, L35 74, L36 04, L37 00, L38 06, L41 74, L32 173, L33 06

R35 15K, C21 47μF, R36 4.7K +5VR, R37, R38 4.7K +5VR, R39 4.7K +5VR, R40–R42 4.7K +5VR, R51 15K +5VR, C36 220pF, R52 10K +5VR, R21, R22 4.7K +5VR

L3 LS367, L46A 9602

J3 — RED, BLK — CABLE ASSY 220-1146 — PITCH CONTROL, PRINTER ELECTRONICS — E2 PITCH, ±10V

D0–D7 (1D10), M80–M87 (1B8), M80–M87, M40–M60 (1B5), M40, M60, D0–D8 (1G7)(1C1)(1D10)

L31 8T10, L19 8T10, L29 8T10, L20 8T10, L30 8T10

ODD12, ODD11, ODD10, ODD9, ODD8, ODD7, ODD6, ODD5, ODD4, ODD3, ODD2, ODD1, RL, RS, DS, PW3, PF3, CRS

BSY (1B9), L21 14

ACK, READY BUSY, SELECT, SELECT LAMP, FAULT, COVER OPEN, OUT OF PAPER, OUT OF RIBBON

DEC 07 1978

CHANGE IN PROCESS

PER ECN 9596

DATE NOV 13 1978

SEE SHT 3

QTY.	ITEM	WANG PART NO.	DRAWING NO.	DESCRIPTION
NEXT ASSY.				

WANG LABORATORIES, INC. TEWKSBURY MASS. U.S.A.

	BY	DATE	APPROVED BY	DATE
DWN	LR	1-4-78	E ENGR	
CHK			M ENGR	
			MFG ENGR	

MATERIAL — MODEL NO. 2281/2281E, SEE ENGRG. SPECIFICATIONS No. ____

FINISH — TOL. EX. AS NOTED .XX ± FRAC ± .XXX ± ANG. ± FINISH ✓

TITLE: DIABLO PRINTER/PLOTTER CONTROL

SCALE — SHT 2 OF 3

210-7443 | D | 7443 | 9

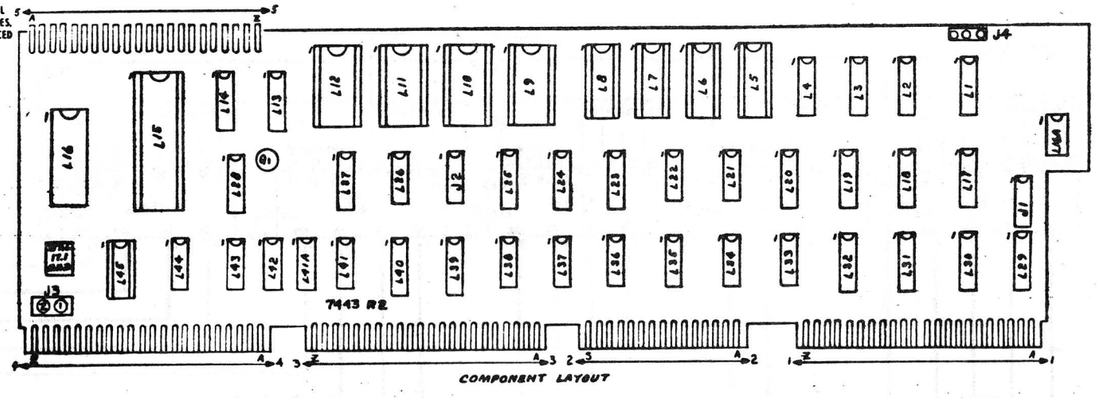
WANG PART NUMBER | SIZE | DRAWING NUMBER | REV

D 7443

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MILLIMETERS IN PARENTHESIS. TOLERANCES TO BE EQUIVALENT TO INCH DIMENSIONS.

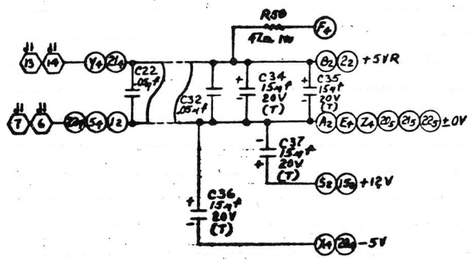
DO NOT SCALE



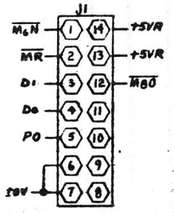
COMPONENT LAYOUT

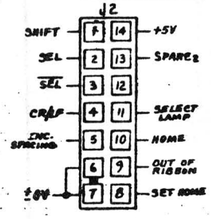
LOCATION	W.L. PART NO.	TYPE
L4,9,14,23,24,28	376-0192	74LS367
L2	376-0193	74LS368
L5-8	377-0308	2101-1
L9-12	SEE CHART	2708
L13,25,39,40	376-0008	7442
L15	377-0269	8080
L16	377-0338	8228
L17,18	376-0183	74173
L19,20,29-31	376-0137	8T10
L21	376-0139	7414
L22,35,36,41	376-0006	7474
L26	376-0093	7432
L27,16A	376-0104	9602
L32	376-0119	74175
L33,38	376-0055	7406
L34,37,41A	376-0002	7400
L42	376-0180	74LS04
L43	376-0010	7404
L44	376-0081	7408
L45	377-0337	8224

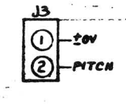
COMPONENT	W.L. PART NO.	TYPE
Q1	375-0017	2N3014
Q1	375-9004	TRANSI-PAD
R1,2,48,49,52	330-4010	10K ¼W 10%
R3,4,5,15-28, 32-34,36-41	330-3047	4.7K ¼W 10%
R6	330-2033	330Ω ¼W 10%
R7-14	330-3010	1K ¼W 10%
R29-31	330-3022	2.2K ¼W 10%
R35,51	330-4015	15K ¼W 10%
C1	300-4017	5.6μF 35V
C2	300-4014	2.2μF 20V
C3	300-1068	68pF 500V
C4-11	300-1930	.1μF 50V (HI FREQ)
C12-20	300-1913	.002μF 500V
CR1	300-1470	470pF 500V
C22-33	300-1900	.05μF 12V
C34-37	300-4022	15μF 20V
XTAL	321-0018	17.1 MHZ
L45	376-9002	16 PIN SOCKET
J1,2	376-9012	14 PIN SOCKET
L5-8	376-9010	22 PIN SOCKET
L9-12	376-9003	24 PIN SOCKET
L15	376-9011	40 PIN SOCKET
C38	300-1220	220pF MICA
R50	332-1047	47Ω 1W
J3	220-1146	CABLE
J4	654-1193	HEADER ASS'Y

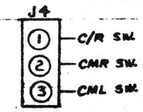


LOCATION	TYPE	SPARES
L16A	9602	1
L41A	7400	2
L21	7414	2
L43	7404	2
L26	7432	2
L34	7400	2
L36	7474	1
L37	7400	1
L38	7406	1
L42	74LS04	2





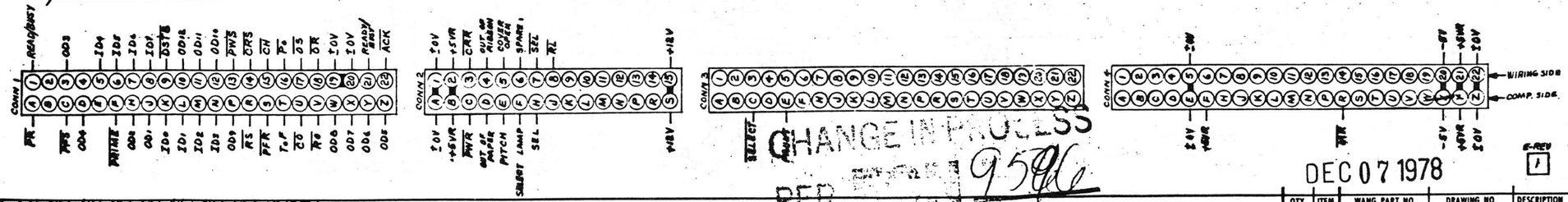




VARIATION CHART

MODEL	209	210	L12	L11	L10	L9
2281	7443	7443A	378-2069 R2	378-2070 R2		
9832	7443	7443B	378-2133 R1	378-2134 R1		
2281-P	7443-1	7443-1A	378-2150-R1	378-2151-R1	378-2152-R1	378-2153-R1
2281-V	7443	7443C	378-2217	378-2218		
DIAGNOSTIC	7443	7443D	378-2223	378-2224		

SIGNAL-TERMINAL DESIGNATIONS, VIEW FROM BOTTOM (WIRING) SIDE OF CONNECTOR



HOLE LEGEND & TOLERANCES	
HOLE DIA	TOLERANCE
.0135 - .125	+ .003 - .001
.126 - .250	+ .004 - .001
.251 - .500	+ .005 - .001

SYM.	DESCRIPTION	QTY.

MNEMONIC	COORDINATE
ACK	2B5
A0 - A11	1F7
A12	1B8
A13 - A15	1G7
CE1 - CE4	1B7
CH	2G11
CO	2F11
COVER OPEN	2B3
CRR	2D11
CRS	2D1
D0 - D7	1D10
DSTB	1C11
FAULT	2B4
ID0 - ID7	1E11
IO/W	1B7
M1	1B7
M0N - M7N	1C5
M0O - M7O	1B5
MR	1B9
OD1 - OD12	2E1
OR	2C8
OS	2D1
OUT OF PAPER	2B3
OUT OF RIBBON	2B3
PFR	2D11
PFS	2D1
PITCH	2B9
PRIME	2B11
PS	2F11
PR	2D11
PWR	2D11
PWS	2D1
RDY	1F11
READY/BUSY	2B5
RESET	1F11
RL	2D1
RS	2F4
RS	2D1
SEL	2B11
SEL	2A8
SELECT	2B5
SELECT LAMP	2B4
SPARE1	2C11
SYNC	1G8
TPI	1E11
TOF	2C11
Ø1T	1G8
Ø2T	1G9

CHANGE IN PROCESS PER [illegible] 9506

DATE NOV 13 1972

DEC 07 1978

E-REV 1

REVISIONS										
	AK 1-4-78	AK 1-9-78	AK 3-9-78	AK 3-24-78	AK 5-5-78	AK 5-10-78	AK 5-16-78	JE 6-6-78	AK 6-19-78	AT 7/6/78
0	ORIGINATED PER DWR # 5416 APP'D. [illegible] 1-4-78									
1		REVISED PER ECN # 7898 APP'D. [illegible] 1-9-78								
2			REVISED PER ECN #7988 APP'D. [illegible] 3-24-78							
3				REVISED PER ECN # 8049 APP'D. [illegible] 5-5-78						
4					REVISED PER ECN # 8101 APP'D. [illegible] 5-10-78					
5						REVISED PER ECN # 8149 APP'D. [illegible] 5-16-78				
6							REVISED PER ECN # 8182 APP'D. [illegible] 6-6-78			
7								REVISED PER ECN # 8236068 APP'D. [illegible] 6-19-78		
8									REVISED PER ECN # 8335 APP'D. [illegible] 6-27-78	
9										REVISED PER ECN # 8368 APP'D. BF 7-17-78

QTY.	ITEM	WANG PART NO.	DRAWING NO.	DESCRIPTION
NEXT ASSY.				

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

BY	DATE	APPROVED BY	DATE
DWN AK	1-4-78	E ENGR F. LEE	6/14/78
CHK [illegible]	6/14/78	M ENGR	
		MFG ENGR	

MATERIAL

MODEL NO. 2281/2281E
SEE ENGRG. SPECIFICATIONS
No.

FINISH

TOL. EX. AS NOTED
XX ± FRAC. ±
XXX ± ANG. ± FINISH √

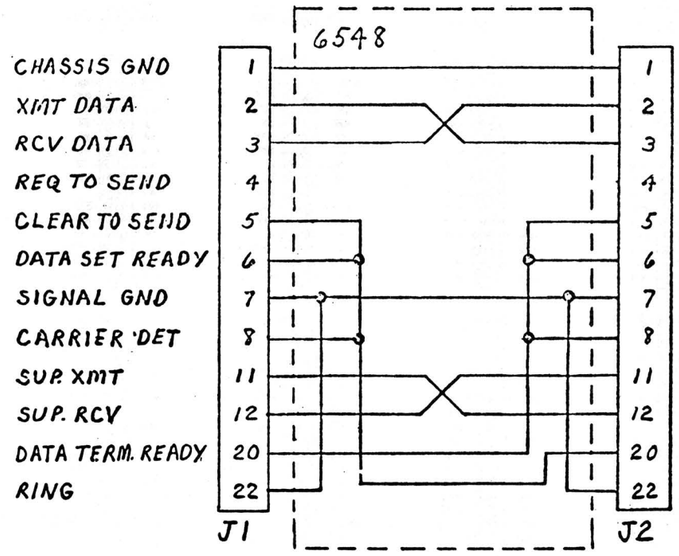
TITLE DIABLO PRINTER/PLOTTER CONTROL

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
210-7443	D	7443	9

SCALE [illegible] SHT 3 OF 3

D 7443

DO NOT SCALE



HOLE LEGEND		
DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL.
	.0135 to .125	+.003 −.001
	.126 to .250	+.004 −.001
	.251 to .500	+.005 −.001

IDENT.	DESCRIPTION	QTY.
A		

WANG LABORATORIES, INC.

PL 6548-4 A

ASSY 210-6548 SHEET 1 OF 1 REV

PREP M.M. DATE 4-10-74

CHK

APPD

APPD

NULL MODEM JUNCTION

QTY. PER DASH NO			KEY	WANG PART NUMBER	WANG DRAWING NUMBER	NOMENCLATURE OR DESCRIPTION	ITEM NO.
		-4					
		1		510-6548		6548 PC BOARD	1
							2
		2		350-1031		DB-25S CH CONN 6000 SERIES	3

SYM	REVISION DESCRIPTION	DATE	APPROVED	SYM	REVISION DESCRIPTION	DATE	APPROVED

KEY: *- VENDOR ITEM FOR PROCUREMENT OR PART NUMBER SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING; F - FEET; I - INCHES; M - METRIC

NOTES

MODEL 2227 N

PL 6548-4

WANG PART NO.	ITEM	QTY.	NAME	MATERIAL	DESCRIPTION
Qty. Per Unit / FIRST USED ON / ASSY USED ON					

WANG LABORATORIES, INC. TEWKSBURY, MASS. U. S. A.

MATERIAL	MODEL NO. 2227-N	BY	DATE	APPROVED BY	DATE
	SEE ENGRG SPECIFICATIONS No.	DWN M.F.	4/12/74	E ENGR	4-29-74
FINISH	TOL. EX. AS NOTED .XX ± .010 FRAC. ± 1/64 .XXX ± .005 ANG. ± 1°30' FINISH 125	CHK		M ENGR	
		E. C. CONTROL		MFG ENGR	
	SCALE SHT / OF /	TITLE WIRING DIAGRAM NULL MODEM JUNCTION			

WANG PART NUMBER	SIZE	DRAWING NUMBER	REV.
	B	6548-1	0

DATE	BY	REVISION	NO.

B 6548-1

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DO NOT SCALE

6707 CONN-1 — -15VR, +5VR MEM, ±0V, +8VR, MS4, DAST, DOTS — DI 2,6,10,14

6707 CONN-2 — DOT4, DI 3,7,11,15, DOT3, DOT2, WTEN3, WTEN4, DOT5, DOT8, DOT7, DOT6, DI 0,4,8,12, DOT9, WTEN2, WTEN1 — DI 1,5,9,13; DI 0,4,8,12; DO11, DO10; DI 2,6,10,14; DI 1,5,9,13; DI 0,4,8,12; DI 3,7,11,15; DI 2,6,10,14; DI 1,5,9,13; DO5, DO4; DI 3,7,11,15

6707 CONN-3 — RESET, Q1, Q2, MS3, MOT, ±0V, -12VR, +12VR, STI-3, +5VR MEM, -15VR

6708 CONN-1 — R8, R9, ST3-3, A7, A8, A9, A5, A2, A10, A6, A4, A1, A3, MS4, A11, DOTS — DI 2,6,10,14

6708 CONN-2 — DOT4, A6, DOT3, DOT2, WTEN3, WTEN4, CL2, DO9, DO8, DO7, DO6, CH4, DO3, WTEN2, WTEN1, A2, TPF — DI 1,5,9,13; DI 0,4,8,12; DO11, DO10, A7, CL8, CMB, CL4, CH1, CL1, DO5, DO4, WTEN2, WTEN1, CH2, DI 3,7,11,15

6708 CONN-3 — Q1, Q2, +12VR, MS2, MS1, MERO, UOC, A9, B, MTF, MS5, ARI, CK, DOST, ATI — DO2, DO1, DOO, MS3, RESET, A11, A, REP, STI-3, MER, CS, ±0V, + 5VR LOGIC, DIN

6785 CONN-1 — -12VR, +5VR MEM, ±0V, L9, L10, R8, R9, L8, L5, R4, R6

6785 CONN-2 — DO5, IC8, IC9, IC2, L6, L7, R6, L8, R17, L9, R18, R19, L4, L2, L3, R13

6785 CONN-3 — R14, Q1, L6, RESET, +12VR, L3, R3, DIN, 184, 182, 181, 188, ±0V, +5VR MEM, ARI — R15, L2, L1, R0, R1, 101, R2, 181, 184, 182, 188, ±0V, +5VR MEM

6709 CONN-1 — +5VR LOGIC, ±0V, MS6, A12, A15, A6, A1, A3, A0, A16, TP1, TMP, CG, TIP, A7, A8, A9, A5, A2, A10, A6, WW, A13, CTA, TRAP

6709 CONN-2 — AT3, DT, SB, MERO, SR, R14, R6, R10, TRM4, R2, R11, R7, R15, R12, IC8, IC9, IC2, L6, L7, R6, L8, R17, L9, R18, R19, L4, L2, L3, R13, IC, DZ, AT1, R2, TRP-B, R0, R4, AT2, AT4, DB, DA, UDC, DC, IC, DZ, AT1, R2, TRP-A, R0, R8, MOT

6709 CONN-3 — TRP-2, R5, 104, 101, IAB, RTT, BRH, IC4, IC2, 184, 18, IA2, ±0V, +5VR LOGIC, 188 — R1, R9, R13, IDB, MER, BRL, IC8, A11, IC1, 182, 184, IA1, ±0V, +5VR LOGIC, IDB

6710 CONN-1 — +5VR LOGIC, ±0V, A, A12, A15, CLE, A1, A3, A0, A14, CLD, TMP, CG, TIP, b-1, b-9, +5VR LOGIC, ±0V, DAST, CL1, CH1, b-8, CH2, A2, CL4, CH4, WW, A13, CTA, TRAP

6710 CONN-2 — CMB, DI, B12, B, SR, R14, R6, R10, R2, PCQ, R3, TP1, R7, R15, R12, AB, AB2, DB, DA, DBB, DC, IC, DZ, AT1, R2, TRP-B, R0, R11, MTF, MOT, R4

6710 CONN-3 — SP1, RS, R19, R17, MXS, BRL, BRH, STI1, R16, ERG, R18, STI-0, SB, ±0V, +5VR LOGIC — R1, MER, R13, IC8, A11, IC1, 182, 184, IA1, ±0V, +5VR LOGIC

6311 CONN-1 — +5VR LOGIC, ±0V, A84, A10, A6, A11, A9, OBS, AB5, 189, B18, CG, A8, b-9, ST3-3, ST1-3, A7, AB2, AB1, b-6, A5, PNO, A4, BTT, MB0, MNC, TRAP

6311 CONN-2 — A77, DI, 188, MERO, 186, R14, R6, 181, 187, PCQ, 185, R3, R7, R2, CTB, AT2, AT4, DB, D4, B12, B11, 184, DZ, 182, CTO, PRMS, R0, 183, AT1, B14

6311 CONN-3 — OB1, OB2, OB3, OB4, OBB, OB7, OB6, OB5, RB, AB6, AB7, STI-0, R4, R1, MER, HALT, CBS, R5, OBS, STIT, ERG, D1 2,6,10,14, DI 1,5,9,13, DI0 4,8,12, +5VR LOGIC, AB8

I/O CONN-1 — +18VU, +5VR LOGIC, ±0V, AB1, AB4, AB5, OB5, HALT, 187, 188, 185, 186, 184, 182, AB2, AB3, ERG, 183, 181

I/O CONN-3 — OB1, OB2, OB3, OB4, OBB, OB7, OB6, OB5, RB, CKL, CMA, GND, -12VR, ±0V, +5VR LOGIC, +12VR, PRMS, CPB, CBS, ABU, AB7, AB8, -18VU, CMB

L567 CONN-1 — +5VR MEM, +5V LOGIC, +8VR, +12VR, BI-15R, BZ-15R, -21V, BZ-12R, BI-12R, ±0V, +18VAL, MNC

L567 CONN-2 — +18VU, EI+12R, -18VU, -12VR, -15VR, BZ-15R, -21V, BI-12R, BZ-12R, ±0V, +18VAL

J1 — B1-12R, B2-15R, -21V, -18VU, B1+12R, E1+18VU, B2, B1+5M, B2+5M, E2+5M, B1+5L, B2+5L, +8VR, +12VR, E1+8R, B1-8R, E2-5L, E2+5M, E2-5M, B1-5L, B2-5M, E1-8R, B2-12R, BZ-12R, ±0V, +5VR MEM, ARI

J2 — E2-5L, +5VR, B2-5L, 9.5V, BLU, ORN

R10 12Ω/2.5W EI+12R → +12VR; R9 6Ω/4W → -12VR; R11 6Ω/4W → -15V; R8 .15Ω/10W E2+5M → +5VM; R7 .15Ω/10W E2-5M → +5VL; R6 12Ω/6W

PRELIMINARY

JAN 08 1979

EXTERNAL — CHASSIS MOUNTED

115/230V 50/60Hz; BK, GRN, WHT, CHASSIS GND; VR2 230V; VR1 115V; BRN, BRN/YEL, BK/WHT

D1 IN1200A; R1 100Ω 1W; C1 77MUF, 15V 20V; 9.5V, 1.5A

D2 IN1200A; D3 IN4719; D4 IN4719; R2 1K ½W; C2 7MUF, 35V; D5 IN4719; R3 1K ½W; C3 6.8MF, 20V; D6 IN4719; R4 1K ½W; C4 4.7MF, 20V; R5 1K ½W; C5 .5MF, 35V; MDA; F1 1.5A; F2 1.5A; +18VU TO I/O,1,; -18VU TO I/O,10; L567 (D6439)

NOTE: TERMINAL DESIGNATIONS VIEWED FROM CIRCUIT (BOTTOM) SIDE OF CONNECTORS. SEE D6439 FOR REGULATOR AND C6627-8 FOR HEAT SINK SCHEMATIC. SEE D6482-7 FOR INTERCONNECTION DIAGRAM.

JAN 08 1979

E-REV 1 1 0 — 6560 -1 -2

6560 PC board: J1, J2, C1, C2, C3, C4, C5, R4

HOLE LEGEND

	HOLE DIA.	TOL.
DRILLED OR PUNCHED HOLE TOLERANCES:	.0135 to .125	±.002
	.126 to .250	±.003
	.251 to .500	±.004

IDENT.	DESCRIPTION	QTY.
A		

COMPONENT	WL. PT. NO.	QTY
R1	332-5010	1
R2-5	331-3010	4
R6-8 *	334-0023	3
R10	334-0014	1
R9,11	334-0016	2
D3-6	380-3002	4
C1	300-3049	1
C2,5*	300 3068	2
C3-4	300-3019	2
F1,2	360-1065	2
FUSE CLIP	360-0006	4
VR1	380-5000	1
VR2	380-5001	1
CONN	380-0011	**
BUSS	654-1154	2
J1	654-1172	1
J2	654-1177	1

* 6560 uses 29
6560-1 uses 25
6560-2 uses 27
VR1 for 130V units
VR2 for 230V units

REVISION	BY	DATE	APPROVED BY	DATE
A Orig. release to drafting.	MBA	8-11-74		
B Added 220 terminal to J2	MBA	11-27-74		
C Revised to show BIL 10 & 14	MBA	1-8-75		
D Revised per ECN-4558	MBA	1-22-75		
E Revised per ECN-4625	MBA	2-25-75		
F Revised per ECN-4679	MBA	4-11-75		
G Revised per ECN-4705	MBA	5-2-75		
H Revised per ECN-4744	MBA	5-29-75		
J Revised per ECN-4795	MBA	7-2-75		
K Revised per ECN-4844	MBA	8-8-75		
L Revised per ECN-4879	MBA	9-2-75		
M Revised per ECN-4911	MBA	9-30-75		
N Revised per ECN-4944	MBA	10-28-75		
P Revised per ECN-4979	MBA	11-25-75		
R Revised per ECN-5014	MBA	12-23-75		
S Revised per ECN-5049	MBA	1-20-76		
T Revised per ECN-5084	MBA	2-17-76		
U Revised per ECN-5119	MBA	3-16-76		
V Revised per ECN-5154	MBA	4-13-76		
W Revised per ECN-5189	MBA	5-11-76		
X Revised per ECN-5224	MBA	6-8-76		
Y Revised per ECN-5259	MBA	7-6-76		
Z Revised per ECN-5294	MBA	8-3-76		
AA Revised per ECN-5329	MBA	8-31-76		
AB Revised per ECN-5364	MBA	9-28-76		
AC Revised per ECN-5399	MBA	10-26-76		
AD Revised per ECN-5434	MBA	11-23-76		
AE Revised per ECN-5469	MBA	12-21-76		
AF Revised per ECN-5504	MBA	1-18-77		
AG Revised per ECN-5539	MBA	2-15-77		
AH Revised per ECN-5574	MBA	3-15-77		
AJ Revised per ECN-5609	MBA	4-12-77		
AK Revised per ECN-5644	MBA	5-10-77		
AL Revised per ECN-5679	MBA	6-7-77		
AM Revised per ECN-5714	MBA	7-5-77		
AN Revised per ECN-5749	MBA	8-2-77		
AP Revised per ECN-5784	MBA	8-30-77		
AR Revised per ECN-5819	MBA	9-27-77		
AS Revised per ECN-5854	MBA	10-25-77		
AT Revised per ECN-5889	MBA	11-22-77		
AU Revised per ECN-5924	MBA	12-20-77		
AV Revised per ECN-5959	MBA	1-17-78		
AW Revised per ECN-5994	MBA	2-14-78		
AX Revised per ECN-6029	MBA	3-14-78		
AY Revised per ECN-6064	MBA	4-11-78		
AZ Revised per ECN-6099	MBA	5-9-78		
BA Revised per ECN-6134	MBA	6-6-78		
BB Revised per ECN-6169	MBA	7-5-78		
BC Revised per ECN-6204	MBA	8-1-78		
BD Revised per ECN-6239	MBA	8-29-78		
BE Revised per ECN-6274	MBA	9-26-78		
BF Revised per ECN-6309	MBA	10-24-78		
BG Revised per ECN-6344	MBA	11-21-78		
BH Revised per ECN-6379	MBA	12-19-78		
BJ Revised per ECN-6414	MBA	1-16-79		

6560-2	1	**	350-0011	225-21521-110	DO NOT LOAD I/O 5, I/O 6
6560-1	2	14	350-0038	CHANNISMN DBL ROW	ALL I/O POSITIONS LOADED
6560-1	1	21	350-0011	225-21521-110	
6560	1	**	350-0011	225-21521-110	DO NOT LOAD I/O 9, I/O 5, I/O 6
HOLDER	ITEM	QTY	W.L. PART NO.	DESCRIPTION	LOADINGS

WANG PART NO	ITEM	QTY	NAME

WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.

MATERIAL

FINISH

MODEL NO 2200 S/E

SEE ENGRG SPECIFICATIONS

TOL. EX. AS NOTED
XX ± .010 FRAC ± 1/64
X ± .005 ANG ± 1° 30' FINISH

SCALE ¼ SHT 1 OF 1

MATERIAL	DESCRIPTION
BY	DATE
DWN	10/2/78
CHK	10/2/78
E C CONTROL	
MFG ENGR	

TITLE SCHEMATIC FOR 6560 MOTHER BOARD

210-6560 — SIZE E — DRAWING NUMBER 6560 — REV P

WANG PART NUMBER

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DO NOT SCALE

HOLE LEGEND

DRILLED OR PUNCHED HOLE TOLERANCES:	HOLE DIA.	TOL
	.0135 to .135	± .002
	.136 to .250	± .003
	.251 to .500	± .005

IDENT.	DESCRIPTION	QTY
A		

LOCATION	W.L.P.T NO	GND	VCC
L1	377-0337	8	16
L2	376-0004	7	14
L3, L2A	376-0081	7	14
L4	376-0006	7	14
L5	376-0010	7	14
L6	376-0104	8	14
L12	376-0002	7	14
L8	377-0338	14	28
L9	376-0140	8	16
L10	376-0059	7	14
L11	376-0178	7	14
L13	376-0049	8	16
L14	376-0093	7	14
L15,16,17,32	SEE CHART	12	
L18	377-0269	2	20
L19,30,33	376-0192	8	16
L20	376-0005	11	4
L21,35	376-0082	8	16
L22-29,34-43	377-0319	18	
L31	376-0008	8	16
L34	376-0011	10	5
L7	376-0207	7	14

COMPONENT	PART NO.
Q1	375-0017
Q2,3	375-1550
Q4	374-0002
XTAL 1	32-0662
D1, 2	386-1601
L15-17, 32	376-9063
L18 (SOCKET)	376-9015
L18	376-9011
L22-29,34-43 (SOCKET)	376-9016
R21, 22	330-4047
R12,3 & 14-20,23-25,27-31	330-3067
R4,5	330-1031
R15	330-2333
L1	377-1624
R26	330-3010
C1-8, 27	300-1930
C9-24, 31, 32	300-1931
C25, 46	300-4017
C26	300-4020
C28	300-1968
C30	300-4
C33-43,	300-1920
C44	350-4022
C29	300-4008
C47	300-1901

VARIATION - CHART 210-2091-2371 THRU 2378							
L22-29	L32	378 2077	377-0314				
			378-2140	377-0314			
				378 2177	377-0314		
					376-2181	377-0314	
						376-2194	377-0314
L17	L16	378 2078	378-2142	378-2178	378-2195	378-2212	378-2229
L15	L18	378-2080	378-2143	378-2179	378-2196	378-2213	378-2230
210	7291-1	7291-0	7291-1	7291-0	7291-1	7291-0	7291-1
209	7291	7291	7291	7291-1	7291-1	7291-1	7291-1
MODEL		2236 MXC 4K BYTE	2236 MXC 4K BYTE	2236 MXC 8K BYTE	2236 MXC 8K BYTE	2236 MXC 12K BYTE	2236 MXC 12K BYTE

SPARES		
LOCATION	TYPE	SPARES
L4	7474	1
L6	9602	1
L7	74L500	1
L14	7432	3
L2A	7408	3
L2	7420	1

PROM TYPE	NO. WORDS X BITS/WD
1K	1024 x 4
2K	2048 x 8

CONN 1

MR	72	71	
-12V	70	69	-12V
$\overline{WE}$	68	67	INT
$\overline{I/OW}$	66	65	TP1
$\overline{I/OR}$	64	63	
OSC	62	61	
	60	59	
	58	57	
	56	55	
	54	53	
	52	51	
TP2	50	49	
	48	47	
	46	45	
±0V	44	43	±0V
±0V	42	41	±0V
-5V	40	39	-5V
A0'	38	37	A1'
A9	36	35	A2'
A8	34	33	A3'
A4'	32	31	A5'
A6'	30	29	A7'
+12V	28	27	+12V
+12V	26	25	+12V
D0	24	23	
D1	22	21	
D2	20	19	
D3	18	17	
D4	16	15	
D5	14	13	
D6	12	11	
D7	10	9	+5V
+5V	8	7	+5V
	6	5	
	4	3	
	2	1	

CIRCUIT SIDE — COMP SIDE

J1

TWR	A	1	RESET
TDA	B	2	RESRS
	C	3	
$\overline{RES}$	D	4	
SYNC	E	5	ϕ_1
±0V	F	6	ϕ_2
D_1	H	7	W_0
	J	8	D_0
D_5	K	9	M_1
$\overline{OUT}$	L	10	D_4
D_7	M	11	MEMR
	N	12	D_6
D_3	P	13	$\overline{STW}$
	R	14	D_2
A_1	S	15	A_2
A_5	T	16	A_0
A_{10}	U	17	A_3
A_6	V	18	A_4
A_7	W	19	A_8
A_9	X	20	A_{15}
A_{12}	Y	21	A_{13}
A_{11}	Z	22	A_{14}

CIRCUIT SIDE
COMP SIDE

PRELIMINARY
JAN 05 1979

7291	7291-1
1	1

REVISION	BY	DATE	APPROVED BY	DATE
A	EBH	3-8-77	ORIGINATED PER ECN E-7609	3-8-77
B	EBH	10-26-77	REVISED PER ECN E-7703	10-27-77
C	EBH	11-2-77	REVISED PER ECN E-7711	11-2-77
D	EBH	11-10-77	REVISED PER ECN E-7717	11-10-77
E	EBH	11-23-77	REVISED PER ECN E-7723	11-23-77
F	EBH	12-8-77	REVISED PER ECN E-7728	12-8-77

WANG PART NO.	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
			WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.	BY	DATE / APPROVED BY / DATE
				DWN EBH 3-8-77	E ENGR K. JOHNSON 11-2-77
				CHK [illegible] 11-2-77	M ENGR
			MATERIAL	E.C. CONTROL	MFG ENGR
			MODEL NO. 2236 MXC	TITLE 8080 INTERACTIVE TERMINAL	
			SEE ENGRG SPECIFICATIONS No.	MEMORY DAUGHTER BOARD	
			FINISH	TOL. EX. AS NOTED XX ± .010 FRAC ± 1/64 XXX ± .005 ANG. ± 1°30' FINISH	210-7291 E 7291 9
				SCALE SHT OF	WANG PART NUMBER SIZE DRAWING NUMBER REV.

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DO NOT SCALE

PRELIMINARY

JAN 05 1979

T2292-1 E-REV 1 | T2292 CRU 1

ALL BOARDS BUILT PRIOR TO REV.3 SEE ECN 7292 REVS

WANG PART NO	ITEM	QTY	NAME	MATERIAL	DESCRIPTION
DO NOT FIRST USED ON	ASSY USED ON		WANG LABORATORIES, INC. TEWKSBURY, MASS. U.S.A.	BY	DATE / APPROVED BY / DATE
				DWN EBA	5-9-78 E ENGR 9/18/78
				CHK	M ENGR
			MATERIAL	E C CONTROL	MFG ENGR
			MODEL NO 2236	TITLE	INTERACTIVE TERMINAL
			SEE ENGRG SPECIFICATIONS		
			FINISH	TOL EX AS NOTED XX ± .010 XXX ± .005 ANG. ± 1/2° FINISH	210-7292 E 7292 13
				SCALE 2/1 SHT 1 OF *	WANG PART NUMBER SIZE DRAWING NUMBER REV.

REVISION	BY	DATE	APPD
A	DELAY PRE CLK #233 ADD CLK #233	EBA	5-9-78
B	ECN # 1131	EBA	9-27-78
C	REVISED PER ECN 1131	EBA	9-27-78
D	REVISED PER ECN 1135	EBA	10-3-78
E	REVISED PER ECN 1135	EBA	10-3-78
F	REVISED PER ECN 1135	EBA	10-3-78
G	REVISED PER ECN 1135	EBA	10-3-78
H	REVISED PER ECN 1135	EBA	10-3-78
J	REVISED PER ECN 1135	EBA	10-3-78
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SC	REVISED PER ECN 1135	EBA	10-3-78
SD	REVISED PER ECN 1135	EBA	10-3-78
SE	REVISED PER ECN 1135	EBA	10-3-78
SF	REVISED PER ECN 1135	EBA	10-3-78
SG	REVISED PER ECN 1135	EBA	10-3-78
SH	REVISED PER ECN 1135	EBA	10-3-78
SJ	REVISED PER ECN 1135	EBA	10-3-78
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SL	REVISED PER ECN 1135	EBA	10-3-78
SM	REVISED PER ECN 1135	EBA	10-3-78
SN	REVISED PER ECN 1135	EBA	10-3-78
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SR	REVISED PER ECN 1135	EBA	10-3-78
SS	REVISED PER ECN 1135	EBA	10-3-78
ST	REVISED PER ECN 1135	EBA	10-3-78
SU	REVISED PER ECN 1135	EBA	10-3-78
SV	REVISED PER ECN 1135	EBA	10-3-78
SW	REVISED PER ECN 1135	EBA	10-3-78
SX	REVISED PER ECN 1135	EBA	10-3-78
SY	REVISED PER ECN 1135	EBA	10-3-78
SZ	REVISED PER ECN 1135	EBA	10-3-78
TA	REVISED PER ECN 1135	EBA	10-3-78
TB	REVISED PER ECN 1135	EBA	10-3-78
TC	REVISED PER ECN 1135	EBA	10-3-78
TD	REVISED PER ECN 1135	EBA	10-3-78
TE	REVISED PER ECN 1135	EBA	10-3-78
TF	REVISED PER ECN 1135	EBA	10-3-78
TG	REVISED PER ECN 1135	EBA	10-3-78
TH	REVISED PER ECN 1135	EBA	10-3-78
TJ	REVISED PER ECN 1135	EBA	10-3-78
TK	REVISED PER ECN 1135	EBA	10-3-78
TL	REVISED PER ECN 1135	EBA	10-3-78
TM	REVISED PER ECN 1135	EBA	10-3-78
TN	REVISED PER ECN 1135	EBA	10-3-78
TP	REVISED PER ECN 1135	EBA	10-3-78
TR	REVISED PER ECN 1135	EBA	10-3-78
TS	REVISED PER ECN 1135	EBA	10-3-78
TT	REVISED PER ECN 1135	EBA	10-3-78
TU	REVISED PER ECN 1135	EBA	10-3-78
TV	REVISED PER ECN 1135	EBA	10-3-78
TW	REVISED PER ECN 1135	EBA	10-3-78
TX	REVISED PER ECN 1135	EBA	10-3-78
TY	REVISED PER ECN 1135	EBA	10-3-78
TZ	REVISED PER ECN 1135	EBA	10-3-78
UA	REVISED PER ECN 1135	EBA	10-3-78
UB	REVISED PER ECN 1135	EBA	10-3-78
UC	REVISED PER ECN 1135	EBA	10-3-78
UD	REVISED PER ECN 1135	EBA	10-3-78
UE	REVISED PER ECN 1135	EBA	10-3-78
UF	REVISED PER ECN 1135	EBA	10-3-78
UG	REVISED PER ECN 1135	EBA	10-3-78
UH	REVISED PER ECN 1135	EBA	10-3-78
UJ	REVISED PER ECN 1135	EBA	10-3-78
UK	REVISED PER ECN 1135	EBA	10-3-78
UL	REVISED PER ECN 1135	EBA	10-3-78
UM	REVISED PER ECN 1135	EBA	10-3-78
UN	REVISED PER ECN 1135	EBA	10-3-78
UP	REVISED PER ECN 1135	EBA	10-3-78
UR	REVISED PER ECN 1135	EBA	10-3-78
US	REVISED PER ECN 1135	EBA	10-3-78
UT	REVISED PER ECN 1135	EBA	10-3-78
UU	REVISED PER ECN 1135	EBA	10-3-78
UV	REVISED PER ECN 1135	EBA	10-3-78
UW	REVISED PER ECN 1135	EBA	10-3-78
UX	REVISED PER ECN 1135	EBA	10-3-78
UY	REVISED PER ECN 1135	EBA	10-3-78
UZ	REVISED PER ECN 1135	EBA	10-3-78
VA	REVISED PER ECN 1135	EBA	10-3-78
VB	REVISED PER ECN 1135	EBA	10-3-78
VC	REVISED PER ECN 1135	EBA	10-3-78
VD	REVISED PER ECN 1135	EBA	10-3-78
VE	REVISED PER ECN 1135	EBA	10-3-78
VF	REVISED PER ECN 1135	EBA	10-3-78
VG	REVISED PER ECN 1135	EBA	10-3-78
VH	REVISED PER ECN 1135	EBA	10-3-78
VJ	REVISED PER ECN 1135	EBA	10-3-78
VK	REVISED PER ECN 1135	EBA	10-3-78
VL	REVISED PER ECN 1135	EBA	10-3-78
VM	REVISED PER ECN 1135	EBA	10-3-78
VN	REVISED PER ECN 1135	EBA	10-3-78
VP	REVISED PER ECN 1135	EBA	10-3-78
VR	REVISED PER ECN 1135	EBA	10-3-78
VS	REVISED PER ECN 1135	EBA	10-3-78
VT	REVISED PER ECN 1135	EBA	10-3-78
VU	REVISED PER ECN 1135	EBA	10-3-78
VV	REVISED PER ECN 1135	EBA	10-3-78
VW	REVISED PER ECN 1135	EBA	10-3-78
VX	REVISED PER ECN 1135	EBA	10-3-78
VY	REVISED PER ECN 1135	EBA	10-3-78
VZ	REVISED PER ECN 1135	EBA	10-3-78
WA	REVISED PER ECN 1135	EBA	10-3-78
WB	REVISED PER ECN 1135	EBA	10-3-78
WC	REVISED PER ECN 1135	EBA	10-3-78
WD	REVISED PER ECN 1135	EBA	10-3-78
WE	REVISED PER ECN 1135	EBA	10-3-78
WF	REVISED PER ECN 1135	EBA	10-3-78
WG	REVISED PER ECN 1135	EBA	10-3-78
WH	REVISED PER ECN 1135	EBA	10-3-78
WJ	REVISED PER ECN 1135	EBA	10-3-78
WK	REVISED PER ECN 1135	EBA	10-3-78
WL	REVISED PER ECN 1135	EBA	10-3-78
WM	REVISED PER ECN