PART NUMBERS AND EVOLUTION OF PERIPHERALS

The following tables are divided per magnetic peripherals, and give the Part Number and evolution history for each peripheral.

FLOPPY DISK DRIVES

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
5.25" FDUs							
TOSHIBA ND04DT	360 KB	965901 Z	-	FDD5451 F1R02	-	Panel color - interdark 6.2/05.	1985
				FDD5471 F1R01			
				FDD6475 S1R01			1/87
				FDD6475 S1R02			1/87
		969118 B		FDD6475 S1R03		Different color - interdark 5.75/06.	1/87
PANASONIC JU-455	360 KB	969149 J	-	5C09	-	New drive.	1986
				7C09		New drive with the same stepper motor used on 3.5" drives.	6/87
TOSHIBA ND08DE	1.2 MB	964929 T	-	FDD5861-H1R04	-	Panel color - interdark 6.2/0.5.	1985
				FDD5881-H1R01			
				FDD6881-H1R01			1/87
				FDD6881-H1R02			1/87
		969119 C		FDD6881-H1R03		New color - interdark 5.75/0.6.	1/87
				FDD6787-H1R01		New drive with the same stepper motor used on 3.5" drives.	6/88
CANON MD5501	1.2 MB	977151 U	-	64	-	Drive certified for the M300 only.	1990

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
PANASONIC JU-475	1.2 MB	969150 P	-	2C08	-	New drive. PCB FPK01281 B3.	1985
				3C08		New drive with same stepper motor as 3.5" drives. PCB FPK02452 B3.	2/88
				3C08		Turn Around Time FW introduced. PCB FPK03510 B3.	6/88
		977868 B	00	4C08		Differs from the 3C08 for: new PCB MLC4, front panel and disk securing mechanism.	7/91
			01	4C08R		E.C. introduced, mechanical changes only. Drive recognized by the letter R instead of K on the outer label.	9/92
			02	5C08R		Supplier has changed the PCB.	4/93
			03	5C08R		Connectors J8, J5 and J4 replaced, jumpers EX, G, DD and TH disabled by soldering. On this new drive, to set disk change to mode 2 (as used on L1 with GO280D, FP1 fw 2.4, FP4 fw 3.7), solder the 15 KOhm resistor to R18. The same drive bearing code 015994 H will no longer be supplied; the standard version can be used only after adding jumper BX.	3/94
			04	5C08N		Clamp mechanism and colly assy replaced, dummy sheet eliminated.	7/94
			05	5C08W		Uses the LED of the previous PCB, track 0 sensor and sensor support updated, 150 Ohm termination resistors replaced by 1 ohm resistors.	12/94
			06	5A08		Moisture proof bag eliminated, amber LED instead of yellow, standard clamp mechanism instead of an ejector.	12/94
		015994 H	-	3C20		As 3C08 but compatible with ex-Office PCs.	6/88
			00	4C20		As 4C08 but compatible with ex-Office PCs.	7/91
			01	4C20R		E.C. introduced, mechanical changes only. Drive recognized by the letter R instead of K on the outer label.	9/92
			02	5C20R		Supplier has changed the PCB.	4/93
		589981 R	00	5A72N		New drive with a standard front panel suitable for the new PC models (from M4-82). Color: interdark CN03.	8/94
			01	5A72W		Uses the LED of the previous PCB, track 0 sensor and sensor support updated, 150 Ohm termination resistors replaced by 1 ohm resistors	12/94

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
3.5" FDU DRIVE							
PANASONIC JU-257 (flat front panel)	1.44 MB	969129 E	-	03T	-	New drive. PCB FPK02651 B3	1987
				03P		Key lock on PCB.	1987
				A081P		New single voltage drive (+5 V). PCB FPK03200 B3.	4/88
				A083P		New drive for automatic manufacturing lines. PCB FPK04011 B3.	10/88
			05	A083PJ		New mechanism with A083P PCB.	6/89
			05S1	A083PJ		New bar-code / traceability label.	10/91
			06	A084P		New PCB with A083PJ mechanism. P/n exists but was never purchased.	9/91
PANASONIC JU-257A (concave front panel)	1.44 MB	951383 T	-	101P	-	New single voltage drive (+5 V). PCB FPK03200 B3.	10/88
				103P		New drive for automatic manufacturing lines. PCB FPK04011 B3.	6/89
			02	103PJ		New mechanism with 103P PCB.	9/91
			02S1	103PJ		New bar-code / traceability label.	10/91
			03	104P		New PCB with 103PJ mechanism.	1/92
		324045 W	-	293P		As 103P but compatible with ex-Office PCs.	
			00	294P		As 104P but compatible with ex-Office PCs	
SONY MP-F17W (flat front panel)	1.44 MB	951373 G	-	80D	-	New drive.	2/88
				80D		New PCB 1-626-904-12 for masking on the Read Data and Index signals.	5/88
				84		New base and new PCB	4/90
			01	84		New PCB LG-45 logic and spindle motor PCB MT-23.	1/91
			01AG	84		New bar-code / traceability label.	10/91
SONY MP-F17W (concave front panel)	1.44 MB	951390 E	-	82D	-	New drive. PCB 1-626-934-XX	5/88
				85		New base and new PCB.	4/90
			01	85		New PCB LG-45 logic and spindle motor PCB MT-23.	1/91
			01AG	85		New bar-code / traceability label.	10/91
		324046 X	-	86		Compatible with ex-Office PCs.	

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
MITSUBISHI MF355C (flat front panel)	1.44 MB	952154 W	00 01	58MF 58MF	-	New drive. PCB NACGD-9A. New bar-code / traceability label.	3/90 10/91
MITSUBISHI MF355C (concave front panel)	1.44 MB	951394 W	00 01AG	58ML 58ML	-	New drive. PCB NACGD-9A. New bar-code / traceability label.	8/89 10/91
Y-E DATA YD-702B (concave front panel)	1.44 MB	151845 Y	00	6039B #1237	-	Compatible with ex-Office PCs.	1/93
		558464 A	00	6037B #1258		Compatible with OS/N interface PCs.	3/93
Y-E DATA YD-702B (flat front panel)	1.44 MB	558453 F	00 01	6037B #1265 / #12F7	-	New drive introduced in CN03 color group (interdark). PCB 134D07-01 rev. A. New securing brackets that ensure the electrical contact with the drive frame and correct the problems detected during ESD tests.	7/93 12/93
		558444 E	00	6037B		New drive introduced in color group CN107 to be used in TIN box PCs. PCB 134D07-01 rev. A	7/93
EPSON SMD1040 (18 mm H) (Epson-standard concave front panel)	1.44 MB	558451 D	00	321	-	New drive with 26-pin FCC interface connector.	
		151568 A	00	418		New drive. PCB 4K804. 34-pin interface connector, pin 2 is the density-in pin.	7/93
		558442 C	00	419		New drive. PCB 4K804. 34-pin Auto Select interface connector.	7/93
MITSUMI D359C3 (17 mm H)	1.44 MB	589992 L	00	C3	-	New drive with 26-pin FCC interface connector. To be used as an alternative to the Epson SMD1040-321.	2/94
TEAC FD235HF (flat front panel)	1.44 MB	558456 A	00	4473	-	New drive in color grouping CN03 (interdark). Pin #2=spare PCB 155321 99-60B.	7/93
		563319 D	00	6573		New drive in color grouping CN03 (interdark). Pin #2 = hd-out. PCB 155321 99-60B. Integrated on PC only.	7/93
SONY MPF420-1 (flat front panel)	1.44 MB	558455 H	00	A3C	-	New drive introduced in color group CN03 (interdark). PCB UR-1.	7/93
		558446 G	00	A3C		New drive in color grouping CN107, to be used in TIN box PCs. PCB UR-1.	7/93

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
Y-E DATA YD-702D (flat front panel)	1.44 MB	589982 J	00	6037D 124102	-	New drive replacing the YD-702B in color grouping CN03 (interdark). This new drive, if correctly jumpered, can work in 3-mode.	4/94
			01	6037D 124102		Following modifications made: - Cover color changed from olive green to white - Array diode removed - New Sanyo stepper motor - Modification to the filtering circuit on the read and write channel - LED soldered on the board. PWB p/n: 134E2601 rev C Read/write IC: BA6608K	1/95
			02	6037D 124102		Read/write IC component replaced. PWB p/n: 134E2601 rev D Read/write IC: BH6620AK	9/95
			04	6537D		To improve the productivity of the drive and therefore decrease its cost, the main PWB assy, read/write IC, stepping motor drive IC and peak current have been modified. The new drive has: - HD-out pin2, 3 mode operation - Main PWB p/n: 134F70-01 rev A - Drawing number: 134F04-01A - Read/write IC: BH6625FS (Rohm) - Stepping motor driver IC: LB1848M (Sanyo) - Peak current at motor startup: max 850 mA, typ. 700 mA.	3/97
			05	6537D		PCB replacement for the removal of the electrolytic capacitor on the power supply line of the read/write circuit since this has no effect on noise reduction. PCB: 134F07-01 Rev. B.	4/97
Y-E DATA YD-702D (without front panel)	1.44 MB	564207 F	00	6537D	-	New drive in color grouping CN103, without front panel.	3/97
			02			PCB replacement for the removal of the electrolytic capacitor on the power supply line of the read/write circuit since this has no effect on noise reduction. PCB: 134F07-01 Rev. B.	4/97
MITSUMI D359T3 (flat front panel)	1.44 MB	558454 G	00	R691059	-	New drive introduced in color group CN03 (interdark). Spindle PCB 69-2965C-1.	7/93
			01	D359T3B		New D359T3Bs that differ from the D359T3 for the introduction of new Main PCB and Motor PCB.	4/94
		558445 F	00	R691059	-	New drive introduced in color group CN107, to be used in TIN box PCs. Spindle PCB 69-2965C-1.	7/93

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
SONY MPF520-3 (flat front panel)	1.44 MB	558462 G	00	A3C	-	New drive in the CN03 (interdark) color grouping. Amber LED, pin 2 = Hd out, drive select = 1.	10/94
			01	A3C		Modifications made to the top and lower covers, side guides, on the read/write component and printed circuit. PCB: LM-F12 Logic read write IC: CXA8049Q Stepping motor: Matsushita	7/95
			02	A3C		Modifications made to the spindle motor with lower cover, printed circuit, cassette holder. PCB: LM-F19	3/96
		560446 E	00	A1C	-	New drive in the avory color grouping. Amber LED, pin 2 = Hd out, drive select = 1.	10/94
			01	A1C		Modifications made to the top and lower covers, side guides, on the read/write component and printed circuit. PCB: LM-F12 Logic read write: CXA8049Q Stepping motor: Matsushita	7/95
			02	A1C		Modifications made to the spindle motor with lower cover, printed circuit, cassette holder. PCB: LM-F19	3/96
MITSUMI D359T5 (flat front panel)	1,44 MB	560431 X	00	R69-1330	-	New drive in the CN03 (interdark) color grouping, amber LED. Interface configuration: - Pin 2 = high density output - 2DD: high level - 2HD: low level - Drive not selected = HD out signal "high" level - Drive select (0, 1, 2) = 1 - Switch from normal density to high density from disc insertion. - FPC = mm. 41 - Jumper settings: NO.	1/95
D359T5B-1			01			New model to improve the quality and to use different suppliers of parts. Modifications made to the main PCB assy, spindle motor, carriage assembly, and others. PCB: 69-7559D and 69-7836A	7/96
		560442 A	00		-	New drive in the avory color grouping, pin #2 = hd-out.	1/95
EPSON SMD1340P (flat front panel)	1.44 MB	564270 R	00	31	-	New drive in the CN03 (interdark) color grouping. Interface configuration: - Pin 2 = high density output - Drive select (0, 1, 2) = 1	10/95
PANASONIC JU-257A746P (flat front panel)	1.44 MB	212535 N	00	746P rev. K	-	New drive in the CN03 (interdark) color grouping.	3/97

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
PANASONIC JU-257A746P (without front panel)	1.44 MB	564208 Q	00	746P rev. K	-	New drive in the CN03 (interdark) color grouping, without front panel.	3/97
SONY MPF920-3/ A3C (flat front panel)	1.44 MB	212540 F	00	A3C	-	New drive in the CN03 (interdark) color grouping. - PCB: LML-F1 - Logical read/write IC: CXA8061Q - Drive select (0,1): 1 - Pin 2: HD Out - Stepping motor: Matsushita - Mounting holes M3 - LED color: amber.	3/97
SONY MP-F40W (concave front panel)	2.88 MB	977873 Y	00	17	-	New drive. Logic PCB LG-51, Spindle PCB MT-31.	12/91
SONY MP-F40W (flat front panel)	2.88 MB	558449 K	00	17/1	-	New drive introduced in color group CN03 (interdark). Logic PCB LG-51, Spindle PCB MT-31 and MT-32.	7/93
		558461 F	00	17/1		INew drive introduced in color group CN107, to be used in TIN box PCs. Logic PCB LG-51, Spindle PCB MT-31 and MT-32.	7/93
		558511 Z	00	31		New drive introduced in color group CN03 (interdark) to replace the Sony MP-F40W-17/1. Logic PCB LG-51, Spindle PCB MT-31 and MT-32. These drives are jumpered internally for the automatic selection of the work density (detecting the hole on the diskette inserted into the drive), instead of being driven by the controller. Interface signals are: NC or not used on pin 2, NC or GND on pin 33.	12/93
TEAC FD-235J (flat front panel)	2.88 MB	558459 M	00		-	New drive introduced in color group CN03 (interdark).	
		560466 A	00	5636		New drive introduced in color group CN03 (interdark) autoselect. These drives are jumpered internally for the automatic selection of the work density (detecting the hole on the diskette inserted into the drive), instead of being driven by the controller.	

HARD DISK DRIVES

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
HDUs WITH ST506 INTERFACE							
NEC D3126	20 MB	968796 A		Dev. El. Board: G9WJM Rev. 02C Disk enc: 134-200420-098 Rev. 06			5/87
		969124 Z		Dev. El. Board: G9WJS Rev. 05 Disk enc: 134-200420-598 Rev. 07		Oxide disk.	12/87
MINISCRIBE M-8425	20 MB	969148 R					2/88
SEAGATE ST125	20 MB	951380 C					5/88
		951389 H		PCB Assembly: 20289-214 PCB revision: 3733 upd 1648		New version.	10/88
FUJITSU M2227D2	40 MB	969143 C					9/88
NEC D3146H	40 MB	969147 G					4/88
NEC D3142	40 MB	951375 A		PWA G8EKQ rev. 01			9/89
				PWA G8EKQ rev 02		New PWA revision due to integration of an external ROM inside the UP.	10/89
NEC D5146H	40 MB	965042 W					10/86
LEXIKON HD-674	40 MB	969117 S					11/87
NEC D5147H	62 MB	969140 M					10/89
CDC 94205-77	62 MB	969144 D					9/86
MICROPOLIS 1325/LV	71 MB	969110 F					6/88
CDC 94155-86	71 MB	969109 K					6/87
HDU WITH MCA INTERFACE							
CONNER CP30069	60 MB	977866 Z	00	MHG-01	HE 2.25	New drive.	6/91
			01	MGO-01	3HE 2.26	Head change: Thin Film with MIG. PCBA 07800-001.	2/92
			02	MGO-01	3HE 2.28	ECC errors problem solved (Seek Operation Failed message).	9/92
CONNER CP30109	100 MB	952166 S	00	MCA-03 or 04	FW 2.25	New drive. PCB 02830-005.	9/90
				MCA-06		Spindle motor switch-off problem solved. Drives overhauled by Conner are marked -A after MCA-0x, new ones MCA-06.	2/91

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
CONNER CP30129	120 MB	977867 S	00	MFG-01	HE 2.25	New drive. Replaces the 100 MB HDU.	6/91
			01	MOL-01	3HE 2.26	Head change: Thin Film with MIG. PCBA 07800-001.	2/92
			02	MOL-01	3HE 2.28	ECC errors problem solved (Seek Operation Failed message).	9/92
CONNER CP3209	210 MB	977141 S	00	OMC-01	FW 2.25	New drive. PCB 02880-005.	7/90
				OMC-02	FW 2.25	New PCB 02880-006.	9/90
HDUS WITH ESDI INTERFACE							
CDC 94216-106	81 MB	952139 X	00	Mot. Cont. board: 77775452-B Main PWA: 77778695-A		New drive with ELCO connector.	1/89
				Mot. Cont. board: 77775452-B Main PWA: 77761690-A		Improvements to the Main PWA.	3/90
ST2106E				Mot. Cont. board: 77775452 Main PWA: 77778695		New model name.	2/91
MICROPOLIS 1355	135 MB	969121 W	00	Mot. Cont. board: 101752-04-6-C4 Preamplif. board: 101772-02-8-A5 Dev. El. board: 101652-07-1-C13		Olivetti configuration without front panel, Hard Sector Mode with 35 sectors per track.	12/87
				Mot. Cont. board: 101992-01-4A Preamplif. board: 101772-02-8B Dev. El. board: 101942-01-9B		Brake Dynamic version.	2/88
				Mot. Cont. board: 101992-01-4A Preamplif. board: 101772-02-8B Dev. El. board: 101942-04-3A o B		Antistatic spring removed.	3/88
				Mot. Cont. board: 101992-01-4xx Preamplif. board: 101772-02-8xx Dev. El. board: 101942-04-3xx		Bad track map specific for Olivetti introduced.	2/89
				Mot. Cont. board: 101992-01-4xx Preamplif. board: 101772-02-8xx Dev. El. board: 110332-03-9xx		Device Electric Board VLSI version.	6/90
NEC D5652	136 MB	969107 H	00	Disk Enclosure: Rev. 01K Main PWA: G9XCB Rev. 23N Sub PWA: G9XBY Rev. 24.		New drive.	1/87
NEC D5655	136 MB	951653 H	00	Main PCB: G8ATE 134-500588-014		New drive.	3/89
				Disk Enclosure: Rev. 03x Main PCB: G8ATA Rev. 14x o 15x Sub PBC: G8ATB Rev. 13. 134-500588-018		PWA compatibility with WD1007V (VANILLA). PCB G8ATA.	8/89
MICROPOLIS 1654-7	136 MB	951652 G	00	PCB temp.: 106137-02-9 Rev. Fxx PCB Oliv.: 106562-01-0 Rev. Hxx		New drive.	2/89
SEAGATE ST2182E	136 MB	978114 Y	00	PCBA: 77702150 134-500588-018		Depopulated version of the Seagate ST2383E and therefore used with controller GO535. Replaces the NEC and Micropolis 136 MB HDUs.	9/91

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
MICROPOLIS 1558	304 MB	951385 V	00	Dev. El. board: 104382-05-6-B18 Auxiliary board: 104542-03-0-C9		Olivetti config.: no front panel or LEDs, 35 tracks per sector, special bad track map.	9/88
				Dev. El. board: 104382-05-6-B21 Auxiliary board: 104542-03-0-C9		Improvements to the Device Electronic board.	11/88
				Dev. El. board: 104382-05-6-B26 Auxiliary board: 104542-03-0-C9		Improvements to the Device Electronic board.	3/89
				Dev. El. board: 104382-10-6-Bxx Auxiliary board: 104542-03-0-xxx		ELCO connector introduced and improvements Device Electronic board.	10/89
				Dev. El. board: 104382-05-6-Bxx Auxiliary board: 104542-03-0-xxx		Device Electronic board without ELCO connectors.	3/90
SEAGATE 94186-383	304 MB	951651 F	00	Main PWA: 77744735 Rev. A Power PWA: 77778160 Rev.C or H		New drive with Wren Customer Configuration and ELCO connector.	8/89
				Main PWA: 77744735 Rev. E Pow. PWA: 77778160 Rev.C, H, K		Revision of the Main PWA board (one jumper added).	10/89
				Main PWA: 77747885 Rev. x Power PWA: 77778450 Rev. x		8 mm spindle motor and noise reduction.	7/90
ST4383E				Main PWA: 75790885 Power PWA: 77778450		ELCO connector removed and new model name.	11/90
				Main PWA: 75900600 Power PWA: 77778450		Improvements to the Main PWA board.	2/91
			01AG	Main PWA: 75900600 Power PWA: 77778450		New bar-code / traceability label.	10/91
SEAGATE ST2383E	320 MB	977160 H	00	PCBA p.n.: 77702150		New drive (can only be used with controller GO535). Replaces the Micropolis and Seagate 300 MB HDUs.	12/90
				PCBA p.n.: 75788110		Improvements to the PCBA board (can only be used with controller GO535).	6/92
MAXTOR XT8760E	618 MB	952155 X	00	HDA: 1015213 PCB: 1014520-xx		New drive: no front panel nor LED, 53 sectors per track.	2/90
HDU WITH AT INTERFACE							
CONNER CP3022	20 MB	962364 A	00	-	FW 1.79	New drive, 3:1 interleave. PCB 02170-003 rev A.	8/88
					FW 1.79	Some changes to PCB. New PCB PCB 02170-003 rev B or rev D.	10/88
				OL-01	FW L2.16	New microcode and modifications to the PCB. PCB 02170-003 rev D or rev E.	11/88
				OLV-02	FW L2.16	New spindle motor for noise reduction. PCB 02170-003 rev D or rev E.	6/89
CP3024		962506 S		OVH-02	FW H2.23	New drive, 1:1 interleave. PCB 02350-004 rev D.	7/89
				OVH-02	FW H2.23	New PCB due to microprocessor change. PCB 02350-004 rev D or rev E.	12/89

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
CONNER CP3142	40 MB	962362 G				New drive.	11/88
CONNER CP346	40 MB	951395 X	00	OLV-03	FW B2.13	New drive. PCB 03220-003 rev A.	11/88
				OLV-04	FW B2.14	New microcode due to bus noise. PCB 03220-003 rev A or B.	7/89
				OLV-05	FW B2.14	New PCB 03220-003 rev A, B or C.	10/89
				OLV-06	FW B2.22	New microcode due to "Drive not Ready" problem.	12/89
CONNER CP3046	40 MB	952159 B	00	OLT-01	FW 2.28	New drive. Replaces the Conner CP346 drive.	2/90
			00	OLT-02	FW 2.46	Cirrus L interface chip replaced with Adaptec chip because of write errors. PCBA 03410-001.	4/91
QUANTUM LPS 52 AT	40 MB	977154 X	00	1167	FW 2.491	New drive. Replaces the Conner CP3046. PCB 800-09-94.	1/91
			01	1254	FW 2.6	New Salty 4 interface chip for a 5 MB/s transfer rate. New FW. PCB 800-09-9411.	10/91
WEST. DIG. AC-140-14M	40 MB	978110 G	00	A0	FW 2.66	New drive (ex-OS&N PCs only).	10/91
			00	A1	FW 2.69	Capable of recognizing 32 or 8 KB internal RAM (single version for ex OS&N and ex Office PCs).	2/92
WEST.DIG. AC-140-04M	40 MB	151295 Z		A4		New drive (ex Office PCs only).	10/91
				A5	FW 2.69	Capable of reconizing a 32 or 8 KB internal RAM (ex Office PCs only).	2/92
CONNER CP3044	40 MB	977149 A	00	OLS-03	FW 2.33	New drive (ex OS&N Ps only). Supplied as an alternative to CP3046.	6/90
		151294 Y	-	OLS-05		Part Number for ex Office PCs.	
CONNER CP3046F	40 MB	977869 C	00	SCM-01	2ST4.51	New drive (ex OS&N PCs only). PCB 07280-001.	5/91
		978127 V	00	SCM-02		Single Part Number for ex OS&N and ex Office PCs.	9/92
CONNER CP3000	40 MB	151571 V	00	ALG-01		New drive. Used only on ex Office PCs.	10/91
			01	OLA-01		Due to functional problems detected on the PCS11 caused by noide induced by the -IOR and -IOW signals, two capacitors towards ground have been added on these two signals.	12/92
WEST.DIG. AC-140-04S	40 MB	151572 W	00	A5	FW 2.69	New drive. Used on ex-Office PCs only.	2/92
QUANTUM ELS42AT	40 MB	553534 K	00	PI04A011 Rev. 08G	FW 4.40	New drives as alternatives to the drives already used in the repective groups.	3/93
			01	PI04A231 Rev. 08G	FW 4.50	New FW providing functional improvements.	6/93

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
WEST. DIG. AC-280-04M	85 MB	150767 L	00	A4		Drive used only on ex Office PCs.	2/92
			01	A5	FW 2.62		
			02	A6	FW 2.69		
CONNER CP30084E	85 MB	978119 D	00	OJA-04	FW 4HT2.35	Part number for ex OS&N PCs.	8/92
			01	OJA-05	FW 4HT2.46	New FW to solve the problem concerning the correct management of dual-drive configurations (Conner HDUs as masters, WD HDUs as slaves). In the previous version, this connection did not allow system bootstrap; bootstrap was possible with the WD HDU as master and the Conner HDU as slave.	11/92
			02	OJA-06	FW 4HT2.61	New FW and board. PCBA 04880-009.	10/93
		151823 J	-			Part Number for ex Office PCs.	8/92
		150773 J	-	OLE-01		Part Number for ex Office PCs.	
WEST. DIG. AC-280-14M	85 MB	978120 A	00	A1	FW 2.69	Drive used only on ex OS&N PCs.	2/92
			01	A7	FW 2.77	MIG heads changed with Mini-Mono.	8/92
QUANTUM ELS85AT	85 MB	553535 L	00	PI08A011 Rev. 08G	FW 4.40	New drives as alternatives to those already available in the same group.	2/93
			01	PI08A231 Rev. 08G	FW 4.50	New FW providing functional improvements.	6/93
CONNER CP3106	100 MB	962366 C	00	-	FW D2.13	New drive. PCB 02200-002 rev A.	9/88
				OLV-03	FW D2.13	Manufactured in Italy with PCB changes. PCB 02200-002 rev A, 03200-003 rev A.	10/88
				OLV-04	FW D2.18	New microcode to solve bus noise. PCB 03200-003 rev B.	7/89
				OLV-05	FW D2.22	New microcode to solve "Drive not Ready" error. PCB 03200-003 rev B.	12/89
				OLV-05	FW D2.22	Some changes to the PCB. New PCB 03200-003 rev D.	6/90
				OLV-05	FW D2.22	Some changes to the PCB. New PCB 03200-003 rev F.	12/90
QUANTUM LPS105AT	100 MB	977155 Y	00	1167	FW 2.491	New drive.	6/91
			01	1254	FW 2.6	New chip with Salty IV interface allowing 5 MB/s transfer rates. New FW.	10/91
CONNER CP30104	100 MB	059055 A	01	OLF-01		Drive used on ex-Office PCs only.	

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
CONNER CP30106	100 MB	952160 G	00	OLV-03	FW 1.98	New drive. PCB 02730-002. Replaces the Conner CP3106 drive.	3/90
				OLV-06	FW 2.13	"Slave Hang" problem solved. PCB 0426-001.	5/90
				OLV-07	FW 2.13	New PCB with shrouded connector. PCB 02730-003.	8/90
				OLM-01	FW 2.38	New chip with Adaptec interface instead of Cirrus L. and MIG heads. PCB 03790-003.	1/91
				OLM-02	FW 2.41	"Drive not Ready" error solved.	2/91
			01	OLM-03	FW 3HZ2.42	Master/Slave configuration error solved.	6/91
CONNER CP30126	120 MB	977855 W	00	OLT-01	FW 2.37	New drive. PCB 03790-003.	2/91
				OLT-02	FW 2.41	"Drive not Ready" error solved.	2/91
			01	OLT-03	FW 3HX2.42	"Master/Slave" configuration error solved.	6/91
			02	OLT-04	FW 2.75	"Reset failed" message due to error with multiple R/W commands solved.	2/92
			03	OLT-05	FW 2.77	Improved functional margins (write fault error). Single version for ex OS&N and ex Office PCs.	6/92
			04	OLT-06	FW 2.77	Microcode PROM socket removed and layout improved. New PCB 03790-005.	9/92
			05	STM06	FW 2.77	To satisfy last orders, Conner will only deliver drives with a label bearing the standard configuration and model. The label will thus state CP30104 in STM06 configuration.	4/93
WEST. DIG. AC-2120-04F	120 MB	151298 C	00	A2	3C.35	Drive used only on ex Office PCs.	
			01	A5	5F	New MIG heads instead of thin film heads, and updated firmware.	2/93
QUANTUM ELS127AT	120 MB	558496 T	00	PI12A011 Rev. 08G	FW 4.40	New drive as an alternative to those already available for this group.	3/93
			01	PI12A231 Rev. 08G	FW 4.50	New FW providing functional improvements.	6/93
CONNER CP30124 (low cost)	120 MB	558508 P	00	OMC-01		New drive as an alternative to those already availabe for this group.	5/93
			01	OMC-02	I.C. 6YT040 N.C. 6AB039	New FW solving buffer errors and implementing write cache features. PCB 10090010.	7/93
			02	OMC-03	I.C. 6YT046 N.C. 6AB039	New Interface Code revision.	10/93
SEAGATE ST3145A (low cost)	120 MB	558519 H	00			New drive as an alternative to the Conner CP30124.	12/93

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
CONNER CP30174E	170 MB	553514 P	00	OJB-01	FW 4HT2.35	New drive. PCBA 04880-007.	9/92
			01	OJB-02	FW 4HT2.46	New FW to solve the problem concerning the correct management of dual-drive configurations (Conner HDUs as masters, WD HDUs as slaves). In the previous version, this connection did not allow system bootstrap; bootstrap was possible with the WD HDU as master and the Conner HDU as slave.	11/92
			02	OJB-03	FW 4HT2.61	New FW and board. PCBA 04880-009.	10/93
QUANTUM ELS170AT	170 MB	558497 U	00	PI16A011 Rev. 08G	FW 4.40	New drive as an alternative to those already available for this group.	2/93
			01	PI16A231 Rev. 08G	FW 4.50	New FW providing functional improvements.	6/93
WEST. DIG. AC-1170-14M	170 MB	558506 D	00	A4	5.14G18	New drive.	5/93
			01	A7	06.15.I01	New FW with write cache, and head change from THIN FILM to MIG..	6/93
			02	A7	06.15.I01	New buffer size from 64 KB to 32 KB.	1/94
CONNER CFA170A	170 MB	559080 A	00	OLE-01	I.C.: 6FB0.19	New drive. PCB 06980-004, 06980-005. FW Niwot 6FT1.70.	10/93
			01	OLE-02	I.C.: 6FB0.19	New interface code revision. The changes to do not affect drive functions. FW Niwot 6FT 1.70	11/93
WEST.DIG. AP-4200-04	210 MB	151264 H	00	A1		MIG heads. Drive used on ex Office PCs only.	
QUANTUM LPS240AT	210 MB	978125 T	00	GM24A231-01-A	FW 5.81	New drive. PCB 800-09-95.	3/92
			01	GM24A231-02-B-H	FW 6.32	New FW from supplier and PCBA 800-09-9682 for function improvements.	8/92
CONNER CP30256	210 MB	558498 D	00	OMB-02	I.C. 6YT033 N.C. 6AB033	New drive as an alternative to those already available for this group. This level was never produced.	2/93
			01	OMB-03		Acknowledgement problems during the POD detected on M400-40 with the CMOS not yet configured.	2/93
			01	OMB-04		New PCBA improving manufacturability and reliability. This peripheral's p/n does not change level.	4/93
			02	OMB-05		New MIG heads instead of the THIN FILM heads.	6/93
			03	OMB-06	I.C. 6YT040 N.C. 6AB039	New FW solving buffer errors and with write caching features. PCB 10070010.	7/93
			04	OMB-07	I.C. 6YT046 N.C. 6AB039	New Interface Code revision.	10/93

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
CONNER CP3204F	210 MB	952162 W		STB-02	FW 1.83	Drive with removable ELCO connector. PCB 02550-012.	3/90
				OLR-01	FW 1.83	Fixed ELCO conn. PCB 03660-001.	4/90
				OLR-02	FW 2.12	New microcode to solve these errors: - Buffer overflow - Soft error rate - Wrong sector returned on error - Grey code error - Slave hang - Seek + write UNIX.	6/90
				OLR-03	FW 2.17	New microcode to solve processor speed problems.	6/90
				OLR-04	FW 2.32	New microcode for pin 39 LED.	2/91
CP3206			00	OLI-01	FW 2.17	New PCB with shrouded connector. PCB 03660-002.	8/90
			01	OLI-02	FW 2.32	New microcode for pin 39 LED.	2/91
			02	OLE-01	FW 2.48	Head change from T.F. to MIG for supply purposes. Interface chip changed from Cirrus L to Adaptec due to write errors. PCBA from 03660-002 to 03780-003.	6/91
			03	OLE-02	FW 2.55	"Instant ready" error solved.	9/91
			04	OLE-03	FW 2.73	"Reset failed" error solved. Problem occurring on M400-10 when using multiple R/W commands.	11/91
				OLE-04	FW 2.73	Heads sticking problem solved by reducing the amount of lubricant (for ex Office PCs).	2/92
			-	OLE-05	FW 2.73	Heads sticking problem solved by reducing the amount of lubricant (for ex Office PCs).	2/92
			05	OLE-06	FW 2.75	Certification of inadequate disk surface with RLL 1.7.	2/92
			06	OLE-07	FW 2.77	Function margins improved and "write fault" error solved. Single version for ex OS&N and ex Office PCs).	6/92
WEST. DIG. AC1210-14F	210 MB	559082Y	00	A1	6.16K	New drive.	

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
CONNER CFS210A	210 MB	559093 T	00	BCT-03 or OLI-01	6BB 0.0AN 6BT 0.19N	New drive in alternative to the WD AC 1210-14F.	2/94
			01	OLI-02	6BB 0.0AN 6BT 0.19N	PCB 13020-001A overhauled by Conner to solve the incompatibility between new revision D of the Cirrus interface chip and the drives in master/slave configuration when installed in pike 1 systems. The changes made only partly solve this problem, thus new revision D of the Cirrus chip must not be used on pike 1. Feature byte: Set=2004 Read=2104	4/94
			02	OLI-03	6BB 7.8C 6BT 7.25P	New PCB 13070-001A with the overhaul explained in previous revision. Also in this case the changes made only partly solve the problem so revision D of the chip must not be used on pike 1 systems.	4/94
QUANTUM LPS240AT	240 MB	553521 M	00	GM24A231-03-C-H	FW 6.32	New drive.	12/92
WEST. DIG. AC2250-14F	240 MB	558507 E	00	A4	5.14G18	New drive in alternative to the existing Conner and Quantum drives.	3/93
			01	A7	06.15.I01	New FW with write caching, and heads changed from THIN FILM to MIG.	6/93
CONNER CP30254	240 MB	553530 T	00	OMA-02	I.C. 6YT033 N.C. 6AB033	New drive. This level was never produced.	2/93
			01	OMA-03		Acknowledgement problems during the POD detected on M400-40 with the CMOS not yet configured.	2/93
			01	OMA-04		New PCBA improving manufacturability and reliability. This peripheral's p/n does not change level.	4/93
			02	OMA-05		New MIG heads instead of the THIN FILM heads.	6/93
			03	OMA-06	I.C. 6YT040 N.C. 6AB039	New FW solving buffer errors and with write caching features. PCB 10070010.	7/93
			04	OMA-07	I.C. 6YT046 N.C. 6AB039	New Interface Code revision.	10/93
CONNER CP3304	340 MB	977871 W		CER-77	I.C: 5ST3.55U	New drive. PCB 03900-007, 07640-201, niwot code 5SA2.53.	1/92
			00	ONB-01	I.C: 5ST3.55U	Drive implemented with Nassau 3. PCB 07640-301, Niwot code 5SA2.53.	1/92
			01	ONB-02		New heads assembly from supplier, new Niwot FW 5SA2.55 and PCBA 07640-301.	8/92
			02	ONB-03		New Niwot FW 5SB2.62.	9/92
SEAGATE ST1401A	340 MB	978117 T	00	PN: 940008-030	75906422	New drive. PCB 75792040.	3/92
CONNER CP3364	340 MB	558499 E	00	OPA-01	5FT 3.79 / 5FB 2.69	New Summit 2 drive replacing CP3304 Summit 1.	1/93

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
WEST. DIG. AC-2340-14H	340 MB	553529 W	00	A4	5.14G18	New drive. P.N. 99-004097-006.	3/93
			01	A7	06.15.I01	New FW with write caching and heads changed from THIN FILM to MIG.	6/93
CONNER CFA340A	340 MB	558509 Q	00	OLF-01	I.C.: 6FB0.19	New drive. PCB 06980-004, 06980-005, FW Niwot 6FT1.679.	10/93
			01	OLF-02	I.C.: 6FB0.19	New Interface Code revision. The changes do not alter the functionality of the drive. FW Niwot 6FT1.70.	11/93
			02	OLF-03	I.C.: 6FB0.19	New PCB 1380-001 to solve the incompatibility between new revision D of the Cirrus interface chip and the drives in master/slave configuration when installed in pike 1 systems. The changes made only partly solve this problem, therefore revision B of this chip instead of new revision D must be used on pike 1.	3/94
			03	SDT17	FW: 6FB7.23 6FB7.24	New PCB 06980-008 and FW that do not alter the functionality of the drive.	6/94
CONNER CP3504	510 MB	978112 W	00	ONA-01	I.C: 5ST3.55U	Single version for ex OS&N and ex Office PCs. Drive with Nassau 3. PCB 07640-301, Niwot code 5SA2.53.	2/92
			01	ONA-02		New heads from supplier, new Niwot FW 5SA2.55 and PCBA 07640-301.	8/92
			02	ONA-03		New Niwot FW 5SB2.62.	9/92
		151353 A	-	OSA-01	I.C: 5ST3.55U	Part Number for ex Office PCs.	
CONNER CP3544	510 MB	558500 K	00	OPB-01	5FT 3.79 / 5FB 2.69	New Summit 2 drive replacing CP3504 Summit 1.	1/93
CONNER CP30544	510 MB	558502 H	00	AOT01	I.C: 7AT144	New drive. PCB 09310-001, Niwot code 7PA284B.	4/93
			01	AOT02	I.C: 7AT145	New chip revisionfor data channel management (Le Mans). Niwot code 7PA2841C.	4/93
			01	AOT03	I.C: 7AT145	New revision consisting of 3 to 5 interface chips (Nassau). The p/n level does not change.	5/93
			02	AOT04	I.C: 7AT145	New Niwot code 7PA291C revision. Changes consistited of optimizing some of the procedures used during the certification phase but did not affect the characteristics and functionality of the drive.	6/93
	540 MB	558514 U	00	AOF01	I.C: 7AT150	New version consising of a 540 MB drive.	9/93
			01	AOF02	I.C: 7AT150	New FW (interface and Niwot). Niwot code 7PA295, PCB 09310-301.	11/93
SEAGATE ST3655A	540 MB	558512 S	00	917001-032	I.C.: 6FT1.679	New drive. PCB 06980-004, 06980-005, Niwot code 6FB0.19.	12/93

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
MICROPOLIS 2112A	1.05 GB	589986 N	00	ASA 020-01-7	775-04	New drive.	12/93
HDUS WITH AT LOCAL BUS INTERFACE							
QUANTUM LPS170AT	170 MB	558520 E	00	RR17A231 02E	A02.OE	New drive. PCB 20-104790-02.	1/94
			01	RR17A232 02A	A02.ZE	New diskware revision to solve the errors with PC Green p/n.	3/94
			02	RR17A232 03A	A02.ZE	New PCB 20-104790-03 revision and new flex circuit for minor changes.	5/94
			03	RR17A231 03JH	A02.0K4E	New diskware (FW recorded on disk) that allows the management of the parameters needed to create a 210 MB capacity. Also, an interface chip with a reduced cross-section is used just like on the majority of drives commercially available.	8/94
WEST. DIG. AC1170-14M	170 MB	560472 G	00	A9	06.15.I05	New drive revision supporting the Local Bus operating mode. This drive has a new code to distinguish it from the previous version (non-Local Bus).	4/94
WEST. DIG. AC1210-14F	210 MB	559997 R	00	A3	06.16.K25	New drive revision supporting the Local Bus operating mode. This drive has a new code to distinguish it from the previous version (non-Local Bus).	4/94
CONNER CFS210A	210 MB	560475 B	00	OLG-01	6BB78C 6BT725P	New interface chip for Bobcat drives. This new chip revision (E) supports the Local Bus operating mode. This drive has a new code to distinguish it from the previous version (non-Local Bus). This code is available as an alternative to the ones already existing in the grouping. PCB 13300-004, Feature word 2104.	4/94
			01	OLG-02	6BB990 6BT927P	New firmware with minor changes.	8/94
			02	OLG-02	6BB990 6BT927P	An inductor has been modified to solve floppy disk errors caused by the electromagnetic emissions from this drive. The drives of the previous level which already include this modification are identified by the letter A placed after Conner's level of configuration. PCB 13300-004 - 13300-005.	8/94
CFN210A			03	OLG-03	6BT929p 6BB992	New FW which includes the following two drive configurations: CFN210A and CFS210A. The peripheral's p/n remains unchanged for both configurations; the level changes to 03.	9/94
CFS210A				OLG-04	6BT92Bp 6BB994		
SEAGATE ST3250A	210 MB	560470 J	00	986001-030	01.01.04	New drive	3/94
			01	9A6001-030	03.02.02	New chip on the drive. PCB 22684.	9/94
			02	9A6001-030	07.07.01	New chip on the drive. PCB 22685.	12/94

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
QUANTUM LPS210AT	210 MB	560428 C	00	RR21A231 03JH	A02.0K4E	New drive as an alternative to those already available in this group. This drive derives from LPS 170/340AT, and uses an interface chip with a reduced cross-section, just like the one used on the majority of drives commercially available. PCB 20-104790-03.	8/94
WEST. DIG. AC2250-14F	240 MB	558507 E	01	A9	06.15.I05	New drive revision which supports the Local Bus operating mode. Neither the p/n nor level of this drive changes.	4/94
QUANTUM LPS270AT	270 MB	560459 K	00	TB27A231 04AH	A57.EA00	New drive as an alternative to those already available in this group. This drive uses an interface chip with a reduced cross-section, just like the one used on the majority of drives commercially available. PCB 20-104130-03.	8/94
CONNER CFA270A	270 MB	560460 Q	00	OLT-01 OLV-01		New drive.	
			01	OLT-02 OLV-02	8FU064 8FT064	New FW revision which includes some minor changes. An inductor has been modified to solve floppy disk errors caused by the electromagnetic emissions from this drive. The drives of the previous level which already include this modification are identified by the letter A placed after Conner's level of configuration. Feature word 2104. PCB 09570-003 - 11070-004.	8/94
			02	OLT-03 OLV-03	8FU065 8FT065	New FW revision that includes some minor changes that do not affect the operation of the interface.	9/94
QUANTUM Maverick 270AT	270 MB	563306 H	00	MV27A231-02-J		New drive as an alternative to the ones already available in the group.	
			01	MV27A231-03-J	Interf. code: 06.0A	Modifications made to the pcb to increase the compatibility with a greater number of PCI local bus systems. PCB: 20-107680-01	4/95
CONNER CFS270A	270 MB	562641 F	00	OLV01		New drive as an alternative to the ones already available in the group.	
			01	OLV02	6CT1.29	Introduction of a new FW to eliminate a data miscompare problem . PCB: 11400-107, feature word 0104	5/95
SEAGATE ST3295A	270 MB	562638 C	00	958005-038	02.03.01	New drive as an alternative to the ones already available in the group.	
QUANTUM LPS340AT	340 MB	589978 D	00	RR34A231 02E	A02.OE	New drive. PCB 20-104790-02.	1/94
			01	RR34A232 02A	A02.ZE	New diskware revision to solve PC Green errors.	3/94
			02	RR34A232 03A	A02.ZE	New PCB 20-104790-03 revision and new flex circuit for minor changes.	5/94

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
WEST. DIG. AC-2340-14H	340 MB	589999 T	00	A9	06.15.I05	New drive revision supporting the Local Bus operating mode. This drive has a new code to distinguish it from the previous version (non-Local Bus).	4/94
SEAGATE ST3391A	340 MB	560471 F	00	9A6006-031	03.02.02	New drive as an alternative to those already available in this group. PCB 22684.	9/94
WEST. DIG. AC2420-14H	420 MB	560462 E	00	A3	06.16.K25	New drive.	4/94
SEAGATE ST3491A	420 MB	560463 F	00	986007-030		New drive in altenative to WD AC2420F.	6/94
			01	9A6007-030	03.02.02	New chip on the drive. PCB 22684.	9/94
			02	9A6007-030	03.02.02	New chip on the drive. PCB 22685.	12/94
CONNER CFS420A	420 MB	560464 G	00	OLF-01		New drive. Feature word 2104.	6/94
			01	OLF-02	6BB990 6BT927P	New firmware with minor changes.	8/94
			02	OLF-02	6BB990 6BT927P	An inductor has been modified to solve floppy disk errors caused by the electromagnetic emissions from this drive. The drives of the previous level which already include this modification are identified by the letter A placed after Conner's level of configuration. PCB 13310-004 - 13310-005.	8/94
CFN420A			03	OLF-03	6BT929p 6BB992	New FW which includes the following two drive configurations: CFN210A and CFS210A. The peripheral's p/n remains unchanged for both configurations; the level changes to 03.	9/94
CFS420A				OLF-04	6BT92Bp 6BB994		
QUANTUM LPS420AT	420 MB	560429 D	00	RR42A231 03 A	A02.0K4E	New drive as an alternative to the ones already available in this group. PCB p/n: 20-104790-03, diskware rev.: A02.0K4E.	10/94
CONNER CFA425A	420 MB	563308 K	00	OLF01		New drive.	
			01	OLF02	8DT039 - 8DT0.41 - 8DT0.42	New PCB and microcode revisions to implement some minor modifications that, however, do not affect the drive's operating characteristics. PCB: 11350-005 / 11350-006 Feature word: 0104.	3/95
CONNER CFS425A	420 MB	563322 Y	00			New drive.	
			01	OLI02	8DT0.28	New FW that implements some minor modifications to optimize disc operation. PCB: 37300-003 Feature word: 0104.	5/95
QUANTUM TR420AT	420 MB	563326 U	00	TR42A231-01-A	04.3F	New drive as an alternative to those already available in the same group. PCB rev.: 20-109207.	6/95
WEST. DIG. AC1425	420 MB	563324 S				New drive.	

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
QUANTUM LPS540AT	540 MB	560457 H	00	TB54A231 04AH	A57.EA00	New drive as an alternative to those already available in this group. This drive uses an interface chip with a reduced cross-section, just like the one used on the majority of drives commercially available. PCB 20-104130-03.	8/94
CONNER CFA540A	540 MB	558516 W	00	OLF-01	8FT050	New drive. PCB 11070-002, feature word 2104.	3/94
			01	OLF-02	8FT054	New drive with some functional improvements (master/slave, etc.) plus other minor changes and a new revision of the data channel chip. PCB 09570-003.	3/94
			02	OLF-03 OLD-03	8FU064 8FT064	New FW revision with a few minor changes. Also, an inductor has been modified to solve floppy disk errors caused by the electromagnetic emissions from this drive. The drives of the previous level which already include this modification are identified by the letter A placed after Conner's level of configuration. PCB 09570-003 - 11070-004.	8/94
			03	OLF-04 OLD-04	8FU065 8FT065	New firmware revision that includes some minor modifications that, however, do not affect the operation of the interface.	9/94
QUANTUM Lightning 540AT	540 MB	563314 Y	00	LT54A231-05-K	A241F	New drive as an alternative to those already available in the group. PCB 20-107670-03.	2/95
SEAGATE ST5660A	540 MB	558517 X	00	9A2001-030	800365	New drive. PCB 260126.	7/94
			01	9A2001-030	800540	New FW.	12/94
QUANTUM TR635AT	635 MB	564225 Y	00	TR63A231-01-A	04.3F	New drive as an alternative to those already available in the group. PCB rev.: 20-109207.	6/95
QUANTUM FR640AT	635 MB	564225 Y		FB64A231-01-B		New drive.	
CONNER CFS635A	635 MB	564223 W	00	OTA01	BET 8.32	New drive.	
			01	CBX-01, CBX-02 CBX-03, CBX-04	BET 8.32 / BET 0.28	Difficulty in supplying the drive in Olivetti configuration. Drives in a standard configuration technically equivalent to those currently used are sent. PCB: 37460-004 / 37460-006 Feature word: 0104.	10/95
				OTA02	BET 8.32 / BET 0.28 / BET 8.36B	New FW for the improvement of the reliability and optimization of the productive yield.	10/95
CONNER CFS636A	635 MB	212085 M	00			New drive.	

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
SEAGATE ST3630A	635 MB	564238 D	00			New drive.	11/95
			01				
			02	958004-032	22.22.07	New FW that solves the "reset write buffer" problem and that introduces a minor modification on the management of the "initialize drive parameter" management by certain systems. PCB rev.: 23990.	1/96
CONNER CFA850A	850 MB	563310 G	00	OLI01		New drive.	
			01	OLI02	8DT039 - 8DT0.41 - 8DT0.42	New PCB and microcode revisions that implement certain minor modifications that, however, do not affect the drive's operating characteristics. PCB: 11350-005 / 11350-006 Feature word: 0104.	3/95
CONNER CFS850A	850 MB	564229 C	00	OBT01	BET 8.32 / BET 0.28	New drive.	
			01	OBT02	BET 8.32 / BET 0.28 / BET 8.36B	New FW that improves the reliability and optimization of the productive yield. PCB: 37460-004 / 37460-006 Feature word: 0104.	10/95
QUANTUM TR850AT	850 MB	564217 Y	00	TR84A231-01-A	04.3F	New drive as an alternative to those already available in the same group. PCB rev.: 20-109207.	6/95
			01	TR84A231-01-A	04.05	New diskware revision to align the product we use with the Quantum standard configuration.	10/95
			02	TR84A231-02-D	04.05	New PCB that improves the reliability and optimization of the productive yield. PCB rev.: 20-109207-04	10/95
MAXTOR 7850AV	850 MB	564236 T	00		0UA7X 6059	New drive as an alternative to those already available in the same group. PCB rev.: 38P3, HDA rev.: 59P1, unique rev. 01A.	10/95
MICROPOLIS 4110A	1.05 GB	560450 N	00	TRA051-01-9	987-05	New drive.	10/94
IBM DPEA-31080	1.05 GB	563320 A	00	84G8998	5A3A2F50	New drive as an alternative to those already available in the same group. PCB: 84G8954, MLC: E15201	3/95
FUJITSU M1614TA	1.05 GB	212092 N	00	A5		New drive.	10/96
SEAGATE ST31082A	1.05 GB	212527 H	00	p/n: 9F2003-031	1.36	New drive as an alternative to those already available in the same group. PCB Rev.: 38700-009.	10/96

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
QUANTUM TM1080AT	1.05 GB	212531 J	00	TM10A232-01-B	A6B.1T	New drive as an alternative to those already available in the same group. PCB Rev.: 20-111404-01.	11/96
			01	TM10A231-01-B	A6B.24	New Diskware that also corrects a miscompare problem that only occurs in very particular situations. The FW has been updated on the disks in stock, before their use in the factory.	12/96
			02	TM10A232-02-D	A6B.24	New PCB revision that includes some minor changes. PCB Rev.: 20-111404-02.	3/97
CONNER CFA1275A	1.2 GB	563312 W	00	OVT01		New drive.	
			01	OVT02	8DT039 - 8DT0.41 - 8DT0.42	New PCB and microcode revisions that include some minor changes that, however, do not affect the drive's operating characteristics. PCB: 11350-005 / 11350-006 Feature word: 0104.	3/95
CONNER CFS1275A	1.2 GB	564231 W	00	OMT01	BET 8.32 / BET 0.28	New drive.	
			01	OMT02	BET 8.32 / BET 0.28 / BET 8.36B	New FW for the improvement of the reliability and optimization of the productive yield. PCB: 37460-004 / 37460-006 Feature word: 0104.	10/95
QUANTUM FR1280AT	1.2 GB	564227 S	00	FB12A231-01-B		New drive.	
WESTERN DIGITAL AC21200-14H	1.2 GB	212097 K	00	E0	04.01D04	New drive. WD p/n: 99-004211-011E0, CCC: E0	6/96
			01	E1	05.01E05	New FW to improve and render the error recovery feature more reliable. WD p/n: 99-004211-011E1, CCC E1.	6/96
SEAGATE ST31276A (CONNER CFS1276A)	1.2 GB	212084 N	00	OML 02	CFSLA 1.28	New drive. PCB Rev.: 38700-006, 38700-007	6/96
SEAGATE ST51270A	1.2 GB	212529 Y	00	p/n: 9C2005-317	03.03.00	New drive. PCB Rev.: 23803. This drive is included in the 1.2 GB grouping due to the scarse availability of the Seagate ST31276A HDU due to quality problems. This HDU is introduced to satisfy production requirements and its use is not extended to the upgrade kits.	10/96

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
QUANTUM TM1280AT	1.2 GB	212528 X	00	TM12A232-01-B	A6B.1T	New drive. PCB Rev.: 20-111404-01	10/96
			01	TM12A231-01-B	A6B.24	New Diskware revision that also corrects a miscompare problem that only occurs in very particular situations. The FW has been updated on the disks in stock, before their use in the factory.	12/96
			02	TM12A232-02-D	A6B.24	New PCB revision that includes some minor changes. PCB Rev.: 20-111404-02.	3/97
			03	TM12A232-02-E	A6B.2D	New Diskware revision that is not important interms of operation.	4/97
FUJITSU M1636TAU	1.2 GB	214366 E	00	A1	ROM code: 0040215A	New drive. Prod. N. CA01422-B926000W M/C download 5044 PCA N. CA20318-B205 / CA20318-B206 PCA Funct. rev. 040AS / 041AS.	11/96
QUANTUM BF1280AT	1.2 GB	212508 C	00			New 5.25" drive.	
QUANTUM TM1700AT	1.7 GB	214359 P	00	TM17A232-01-B	A6B.1T	New drive. PCB Rev.: 20-111404-01.	10/96
			01	TM17A232-01-B	A6B.24	New Diskware revision that also corrects a miscompare problem that only occurs in very particular situations. The FW has been updated on the disks in stock, before their use in the factory.	
			02	TM17A232-02-D	A6B.24	New PCB revision that also includes minor changes. PCB Rev.: 20-111404-02.	3/97
			03	TM17A232-02-E	A6B.2D	New Diskware revision that is not important in terms of operation.	4/97
IBM DJAA-31700	1.7 GB	212086 Q	00	E15496 / E59861		New drive.	
QUANTUM SR1700AT	1.7 GB	212105 Y	00			New drive.	
FUJITSU M1623TAU	1.7 GB	214369 R	00	A1	ROM code: 0040218A	New drive. Prod. N. CA01422-B923000W M/C download 5244 PCA N. CA20318-B215 / CA20318-B216 PCA Funct. rev. 015AS / 016AS.	11/96
SEAGATE ST31720A	1.7 GB	215425 K	00	p/n: 9G2001-038	DAT0.57 DAT0.62	New drive. PCB Rev.: 24001250 and 24000930.	4/97
FUJITSU MPA3017AT	1.7 GB		00			New drive.	5/97
SEAGATE ST32140A	2.1 GB	212096 J	00	9D0001-045	8:08:01	New drive.	

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
FUJITSU M1624TAU	2.1 GB	214370 N	00	A1 / A3 / A4	ROM code: 0040218A	New drive. Prod. N. CA01422-B924000W M/C download 5244 / 5245 PCA N. CA20318-B215 / CA20318-B216 / CA20318-B218 PCA Funct. rev. 015AS / 016AS / 018AU.	11/96
QUANTUM TM2110AT	2.1 GB	212526 M	00			New drive.	
			01	TM21A232-01-B	A6B.24	New Diskware revision that also corrects a miscompare problem that only occurs in very particular situations. The FW has been updated on the disks in stock, before their use in the factory. PCB Rev.: 20-111404-01.	12/96
			02	TM21A232-02-D	A6B.24	New PCB revision that includes some minor changes. PCB Rev.: 20-111404-02.	3/97
			03	TM21A232-02-E	A6B.2D	New Diskware revision that is not important in terms of operation.	4/97
IBM DAQA-32160	2.1 GB	214371 B	00	p/n: 46H3427	R40RA52A	New drive. MLC E16819.	1/97
			01	p/n: 73H7751	R40RA53A	New FW that solves a minor problem that occurs with machines that support PIO and DMA simultaneous and linked operations. This does not occur on our personal computers. MLC E67737.	2/97
MAXTOR 82187A	2.1 GB	215419 V	00		7A3D1856	New drive. HDA rev. 04, PCB rev. 05, Unique rev. 13.	4/97
QUANTUM BF2110AT	2.1 GB	214368 Q	00			New 5.25" drive.	
QUANTUM CY2110AT	2.1 GB	215427 M	00			New 5.25" drive.	
QUANTUM SR2550AT	2.5 GB	212512 P	00	SR25A231-01-J	A01.00P	New drive.	
FUJITSU M1638TAU	2.5 GB	214372 C	00	A1	ROM code: 0040215A	New drive. Prod. N. CA01422-B928000W M/C download 5044 PCA N. CA20318-B205 / CA20318-B206 PCA Funct. rev. 040AS / 041AS.	11/96
QUANTUM BF2550AT	2.5 GB	212510 Z	00			New 5.25" drive.	

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
QUANTUM TM2550AT	2.5 GB	212522 R	00			New drive.	
			01	TM25A232-01-B	A6B.24	New Diskware revision that also corrects a miscompare problem that only occurs in very particular situations. The FW has been updated on the disks in stock, before their use in the factory. PCB Rev.: 20-111404-01.	12/96
			02	TM25A232-02-D	A6B.24	New PCB revision that includes some minor changes. PCB Rev.: 20-111404-02.	3/97
			03	TM25A232-02-E	A6B.2D	New Diskware revision that is not important in terms of operation.	4/97
SEAGATE ST52520A	2.5 GB	214373 D	00	p/n: 9D3001-033	840087 840133	New drive. PCB Rev.: 260272-100.	11/96
			01	p/n: 9D3001-033	840160	New FW that solves the problem with the slowing down of operations due to certain recalibrations that occurs during the installation of bundled SW.	3/97
SEAGATE ST32531A	2.5 GB	215426 L	00	p/n: 9G2003-038	DAT0.59 DAT0.62	New drive. PCB Rev.: 24000340 and 24008530.	4/97
FUJITSU MPA3026AT	2.5 GB		00			New drive.	5/97
QUANTUM TM3240AT	3.2 GB	212524 K	00		A6B.1T	New drive.	
			01	TM32A232-01-B	A6B.24	New Diskware revision that also corrects a miscompare problem that only occurs in very particular situations. The FW has been updated on the disks in stock, before their use in the factory. PCB Rev.: 20-111404-01.	12/96
			02	TM32A232-02-D	A6B.24	New PCB revision that includes some minor changes. PCB Rev.: 20-111404-02.	3/97
			03	TM32A232-02-E	A6B.2D	New Diskware revision that is not important in terms of operation.	4/97
IBM DAQA-33240	3.2 GB	214374 E	00	p/n: 46H3429	R60RA52A	New drive. MLC E16819.	1/97
			01	p/n: 73H7753	R60RA53A	New FW that solves a minor problem that occurs with machines that support PIO and DMA simultaneous and linked operations. This does not occur on our personal computers. MLC E67737.	2/97
SEAGATE ST33240A	3.2 GB		00			New drive.	5/97
FUJITSU MPA3035AT	3.5 GB		00			New drive.	5/97
QUANTUM CY4300AT	4.3 GB	215417 K	00			New 5.25" drive.	

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
HDUS WITH SINGLE-ENDED SCSI INTERFACE							
CONNER CP30100	100 MB	952150 E	00	OLI-03 OLI-04	FW 1F1E	New drive.	9/90
				OLI-05		Solve the problem with spin-up: a diode has been added. The drivers reworked by Conner will have the OLI-03-A and OLI-04-A configurations.	12/90
QUANTUM ELS127S	120 MB	558523 V	00	PI08S231-08-H	FW 4.20	New drive. PCBA 20-102447-01.	4/93
SEAGATE 94221-184	150 MB	952142 S	00		FW 5991	New drive. PCB: 777022520.	10/90
			00		FW 5438	New FW that includes the reserved rights on the SCSI Inquiry command. PCB: 77761825.	5/91
			01AG		FW 5438	New bar-code / traceability label.	10/91
MICROPOLIS 1674-7	150 MB	952157 Z	00		8004270105	New drive.	12/89
CONNER CP30200	210 MB	553523 Q	00			New drive. Replaces the Conner CP3200F, and can also work in Dual Host mode.	1/93
			01	OCG-02	RAM 5VL93238 and 5VQ93238	Previous level no longer available. Wirings absorbed and ID jumpers placed at front of board. PCBA 07680-005, ROM interf. 5VQ6.32, ROM background 5VA24F.	2/93
			02	OCG-03	RAM 5VL93238 and 5VQ93238	New background ROM 5VA250 for production process compatibility with the Summit line.	2/93
			03	OCG-04	RAM 5VL93239 and 5VQ93239	New RAM and background code to solve mode select failures on MCA PCs that considerably reduce undefined error indications on LSX and M480-10/20 systems. Background ROM 5VA2.53.	7/93
			04	OCG-05	RAM 5VL9323C and 5VQ9323C	New RAM code that prevents the system from hanging when using the AIC7770 SCSI controllers. This new code disables command queuing capability; the drive does not accept the request for queuing but guarantees operation in Lookhead mode. All HDUs are updated.	11/93
SEAGATE ST3283N	210 MB	553532 R	00	921003-052	FW 9448	New drive as alternative to the Conner CP30200. PCBA 260077.	3/93

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
CONNER CP3200F	210 MB	952145 V	00	STF-05	RAM R011C	Initial release compatible with M486 and M480-30 systems only. ROM code R2.03.1D, PCB 03670-001.	6/90
			01	OLM-01	RAM 9441	MIG heads introduced, new PCB and FW to solve mirroring errors. PCB 04400-002, ROM code RS4.42.	9/91
			01	OLM-02	RAM 9441	"Stickion" problem solved. PCB 04400-002, ROM code RS4.42.	3/92
			02	OLM-03	RAM 9442	"Error on Error Free Cylinder" problem solved. PCB 04400-002, ROM code RS4.42.	3/92
QUANTUM LPS270S	270 MB	589984 L	00	TB27S231	S59.00	New drive. It does not work in Dual Host mode.	
			01	TB27S232 -04-K-H	S59.0S	New FW to align all FW levels so obsolete versions no longer exist. PCB 20-104550-03 or -04.	9/94
IMPRIMIS 94171-376	300 MB	952147 X	00		FW 8856	New drive.	12/89
			00		FW 8856	New bar-code / traceability label. The code does not change in level.	10/91
SEAGATE ST2383N	330 MB	977159 C	00		FW 1275	New drive. Replaces the 320 MB Imprimis FH drive.	11/91
			01AG		FW 1275	New bar-code / traceability label.	10/91
			01AG	P/N 77746965	FW 6354	The correct "Uncorrectable seek error" indication now replaces the incorrect "Correctable seek error" indication previously given by the drive. PCB 75780210. The level does not change.	8/92
CONNER CP3300	340 MB	977878 D	00	OND-01	ROM 5SS025	New drive. PCBA 03930-003, RAM code 5S902526, Niwot code 5SA0211.	11/91
			00	OND-01	ROM 5SS025	RAM code 5S902528 updated to solve the "seek operation failed" error.	1/92
			01	OND-02	ROM 5SS026	Single configuration for PC and mini systems (LSX 3000). PCBA 03930-003, RAM code 5S9026AA, Niwot code 5SA0213.	6/92
CONNER CP3360	340 MB	553515 Q	00	OPD-01	ROM 5SQ6.32	New drive: Niwot ROM code 5SA4.43, RAM code 5SL93238 and 5SQ93238, PCBA 07510-502.	11/92
			01	OPD-02	ROM 5SQ6.32	New Niwot ROM code 5FA4.50 to improve supplier production line output.	12/92

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
SEAGATE ST1401N	340 MB	978116 S	00		FW 5738	New drive.	11/91
			01		FW 7338	Queued commands problem solved in Head of Queue management. New firmware and board. Compulsory change if connecting to EFP2 with Command Queueing management. The drive FW is at present flashable if connected to ESC1 or ESC2, not if to EFP2. PCBA 91190.	9/92
CONNER CP30360	340 MB	934170 Y	00		RAM 7PL9ADB8 and 7PQ9ADB8	New drive. ROM Interface 7PS0AF, Background ROM 7PA291C, PCB 09230-404	9/93
			01		RAM 7PL9ADBC and 7PQ9ADBC	New FW (RAM code) that solves the errors in the SCO environment.	2/94
CONNER CP3500	510 MB	977880 U	00	ONC-01	ROM 5SS025	New drive. PCBA 03930-003, RAM code 5S902526, Niwot code 5SA0211.	11/91
			00	ONC-01	ROM 5SS025	RAM code 5S902528 updated to solve the "seek operation failed" problem.	1/92
			01	ONC-02	ROM 5SS026	Single configuration for PC and mini systems (LSX 3000). PCBA 03930-003, RAM code 5S9026AA, Niwot code 5SA0213.	6/92
CONNER CP3540	525 MB	553516 R	00	OPC-01	ROM 5SQ6.32	New drive: Niwot ROM code 5SA4.43, RAM code 5SL93238 and 5SQ93238, PCBA 07510-502 rev Y1	11/92
			01	OPC-02	ROM 5SQ6.32	New Niwot ROM code 5FA4.50 to improve the supplier's production line output.	12/92
SEAGATE ST1581N	525 MB	978122 Y	00		FW 7328	New drive. PCBA 2750 or 1150 rev. N	4/92
			01		FW 7328	Board replaced by the supplier. PCBA 2385	8/92
CONNER CP30540	525 MB	934065 N	00	AOS-01		New drive that replaces the Conner CP3540.	4/93
			01	AOS-02	RAM 7PL9ADB8 and 7PQ9ADB8	New PCB 09230-404 for reworks on ID jumpers and LED activity on 0E6 jumpers. New bug solving FW (problem detected only on LSX 5025E). Configuration level AOS-02, ROM interface 7PS0AF, Background ROM 7PA291C.	9/93
			02	AOS-03	RAM 7PL9ADBC and 7PQ9ADBC	New FW (RAM code) solving errors in the SCO environment. All HDUs in stock are updated. The updated HDUs are identified by the addition of a hand-written letter of the alphabet to the level of configuration (for example, AOS02 X). The barcode of these drives remains unchanged. A new level will be assigned to future supplies.	2/94
SEAGATE ST3620N	525 MB	935971 Q	00	9A3001-032	FW 83468974	New drive. PCBA 85560	6/94

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
QUANTUM EMPIRE 540	525 MB	560448 Q	00		123L	New drive. PCB: 20-104581-01 TLA: EM54S233-03-A-H	10/94
			01		1230	New PCB that includes improvements for the reduction of EMI emissions. PCB: 20-104581-04 TLA: EM54S233-04-A-H	1/95
			02		1231	New FW to bypass the problem detected on SNX systems with a Dagger controller and a 10 MB/sec Sync Data Transfer. The modification made concerns the response of the drive to the request for 10 to 8 MB/sec synchronous transfers. TLA: EM54S233-04-B-H.	3/95
			03		1231	The problems concerning the 10 MB/sec transfer rate on 97% of the drives has been solved. The oscillator frequency (40 MHz) has been increased by about 1 - 1.5 KHz by changing the 6.8 pF capacitor with a 2.7 pF component. The current 8 MB/sec FW is maintained. TLA: EM54S233-05-B-H.	5/95
MAXTOR XT-8760S	650 MB	977143 U	00	1098828	FW B5H	New drive.	3/90
			01	1098828-D	FW XB6K	UNIX errors that occurred in particular test conditions during sequential read operations have been solved. Errors were due to bad cache operation on cylinder changes. New bar-code / traceability label.	7/91
XT-8760SH			02	1098919-1	FW C2ZD	15 ms average seek time drive and new code for connection to ESC2 and EFP2. PCB 1023035-10	5/92
DIGITAL DSP3105	1.05 GB	553531 Q	00	RH27A-BM	X388Z	New drive. PCBA B05.	2/93
			01	RH27A-BM	T386F	Final SCSI FW. PCBA B05.	5/93
SEAGATE ST31200N	1.05 GB	589987 P	00	950001-054	FW 83468210	New drive. PCB 85525.	10/93
			01	950001-054	FW 83468594	Due to problems with the supply of components, the supplier has created a new PCB 85560 and developed new FW. The board is interchangeable with the previous version, and even the two FWs have the same features.	6/94
DIGITAL DSP3107L	1.05 GB	560473 H	00	RH31E-BM	OL07X441	New drive. Due to noise problems, this HDU is only fitted on the HAC.	
IBM 0662 Mod.S12	1.05 GB	589672 A	00	S12	1110	New drive.	10/93

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
SEAGATE ST31230N	1.05 GB	562630 G	00		83410212	New drive that replaces the ST31200N. The two disks are interchangeable, have the same capacity and the same form factor.	1/95
			01		83410538	New FW for FAULT indications in disk array environments where the disks are actually operational.	9/95
IBM DPES-31080	1.05 GB	564243 A	00			Drive included in the grouping with the Seagate ST31230N.	10/95
SEAGATE ST51080N	1.05 GB	212087 R	00		0943	Drive included in the grouping with the Seagate ST31230N and IBM DPES-31080.	5/96
SEAGATE ST31051N	1.05 GB	212098 U	00			New drive.	
MAXTOR P1-17S	1.5 GB	977876 T	00	TLA 9304216	FW JN20	New drive. PCBA 1027462, HDA 1023275, Spindle code 1020502.	9/91
			01	TLA 9304216-3	FW JB21	High noise level problem solved. PCBA 1027334, Spindle code 1020502 or 2800Z8, HDA 1028609.	10/91
			02	TLA 9304216-4	FW LB21	Supplier replaced the board and developped a new FW (4.5 A spin-up). PCBA 1027982, HDA 1028609, Spindle code 1020502 or 2800Z8.	8/92
			02	TLA 9304216-4A	FW LB21	Problem with the spin-up current on the +12 V solved. New FW (5.2 A spin-up) that controls the motor. PCBA 1027982, HDA 1028609, Spindle code 1023407.	9/92
			03		FW LB21	New PCBA 1029560 for Olivetti who uses the old spindle code.	10/92
			04	TLA 9304216-6	FW MC24	New FW that solves the error in Dual Host configurations.	5/93
SEAGATE ST12400N	2.1 GB	935769 D	00	949001-045	FW 83468208	New drive. PCB 85525.	10/93
			01	949001-045	FW 83468592	Due to problems with the supply of components, the supplier has created a new PCB 85560 and developed new FW. The board is interchangeable with the previous version, and even the two FWs have the same features.	6/94
SEAGATE ST32430N	2.1 GB	562627 Z	00		83410212	New drive.	
			01		83410538	New FW for FAULT indications in disk array environments where the disks are actually operational.	9/95
SEAGATE ST32151N	2.1 GB	212100 F	00			New drive.	

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
SEAGATE ST15230N	4.2 GB	562623 V	00		83410210	New drive	7/95
			01		83410548	New FW for FAULT indications in disk array environments where the disks are actually operational.	9/95
SINGLE-ENDED ULTRA NAROW SCSI INTERFACE HDU							
IBM DORS-32160	2.1 GB	212094 Q	00		WA6A	New drive.	4/96
			01		WA0A	New FW for the problem concerning the compatibility with the DPT controller under Novell NetWare and with the ARCserve backup software.	9/96
IBM DCAS-32160	2.1 GB	214382 X	00			New drive with a 50-pin SCSI interface connector included in the grouping with the Seagate ST32151N and IBM DORS-32160.	2/97
IBM DCAS-34330	4.2 GB	215415 R	00			New drive with a 50-pin SCSI interface connector.	2/97
DIFFERENTIAL NARROW SCSI INTERFACE HDU							
CONNER CP30540D	525 MB	935583 C	00	AOD-01	RAM 7PL9ADB8 and 7PQ9ADB8	New drive. PCB 09230-404, ROM interface 7PS0AF, Background ROM 7PA291C.	1/94
			01	AOD-02	RAM 7PL9ADBC and 7PQ9ADBC	New RAM code solving some errors in the SCO environment. All HDUs in stock are updated. The updated HDUs are identified by the addition of a hand-written letter of the alphabet to the level of configuration (for example, AOS02 X). The barcode of these drives remains unchanged. A new level will be assigned to future supplies, changing from level 00 to 01.	2/94
SEAGATE ST12400ND	2.1 GB	935775 T	00	949002-031	FW 83468592	New drive. PCB 85525.	10/93
SINGLE-ENDED ULTRA WIDE SCSI INTERFACE HDU							
IBM DCAS-32160	2.1 GB	215422 Q	00			Drive with a 68-pin SCSI interface connector.	2/97
IBM DCAS-34330	4.2 GB	215424 J	00			Drive with a 68-pin SCSI interface connector.	2/97
HDUS WITH SINGLE-ENDED SCSI NARROW INTERFACE AND SCA CONNECTOR							
SEAGATE ST3620NC	525 MB	560477 D	00	9A3002-031	83468974	New drive.	9/94
SEAGATE ST31200NC	1.05 GB	560479 P	00	950005-032	83468594	New drive.	9/94
SEAGATE ST12400NC	2.1 GB	560454 E	00	949001-045	83468592	New drive. PCB 85560.	6/94

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
SINGLE-ENDED SCSI WIDE INTERFACE HDU WITH SCA CONNECTOR							
SEAGATE ST31230WC	1.05 GB	562631 V	00		83410212	New drive that replaces the ST31200NC. These drives are interchangeable, have the same capacity and the same form factor.	1/95
			01		83410538	New FW for FAULT indications in disk array environments where the disks are actually operational.	9/95
SEAGATE ST31051WC	1.05 GB	212099 V	00		83480412	New drive. PCB: 75785930.	6/96
			01		83480438	New FW and new board. A new board had to be introduced in order to solve the problems concerning the different capacity after the Mode Select Command in the diagnostic environment and the introduction of the Common Base feature (same FW for 1.05 and 2.1 GB drives). The new FW can only be loaded on the disks equipped with the new board. PCB: 75784965.	7/96
SEAGATE ST32430WC	2.1 GB	562629 B	00		83410212	New drive.	
			01		83410538	New FW for FAULT indications in disk array environments where the disks are actually operational.	9/95
SEAGATE ST32151WC	2.1 GB	212093 P	00		83480238	New drive. PCB: 75785930.	6/96
			01		83480438	New FW and new board. A new board had to be introduced in order to solve the problems concerning the different capacity after the Mode Select Command in the diagnostic environment and the introduction of the Common Base feature (same FW for 1.05 and 2.1 GB drives). The new FW can only be loaded on the disks equipped with the new board. PCB: 75784965.	7/96
SEAGATE ST32550WC	2.1 GB	212080 W	00			New drive.	
SEAGATE ST15230WC	4.2 GB	562625 X	00		83410210	New drive.	7/95
			01		83410548	New FW for FAULT indications in disk array environments where the disks are actually operational.	9/95
SINGLE-ENDED ULTRA WIDE SCSI INTERFACE HDU WITH SCA CONNECTOR							
IBM DCAS-32160	2.1 GB	214383 Y	00			Drive with an 80-pin SCSI interface connector included in the grouping with the Seagate ST32430WC and ST32151WC.	2/97
IBM DCAS-34330	4.2 GB	214385 S	00			New drive with an 80-pin SCSI interface connector.	2/97
SEAGATE ST32171WC	2.1 GB	212520 T	00			New drive.	

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
SEAGATE ST34371WC	4.2 GB	214363 B	00			New drive.	
SEAGATE ST19171WC	9.1 GB	214365 D	00			New drive.	

TAPE DRIVES

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
STUs							
WANGTEK 5099 EN24	60 MB	969132 Z	00	PC-36-III #30850 (GO718) Rev. A		New 60 MB STU controller.	
				PC-36-III #30850 (GO718) Rev. B		Changes to the board. FW F29D.	
				PC-36-III #30850 (GO725) Rev. C		FW from F29E to F29G (STU 60/125 MB).	
				PC-36-III #30850 (GO725) Rev. D		Sockets removed from the board.	
				PC-36-III #30850 (GO725) Rev. E		High components reduced.	
				PC-36-III #30850 (GO725) Rev. F		FW from F29E to F29G for AT&T comp.	
				PC-36-III #30850 (GO725) Rev. G		Sockets U7 and U8 added.	
				PC-36-III #30850 (GO725) Rev. H		Standard FCC labels.	
				PC-36-III #30850 (GO725) Rev. J		Wangtek Serial Number format changed.	
				PC-36-III #30850 (GO718) Rev. K		Improved PLL range adjustment.	
				Drive assembly #30337 Rev. A		New drive assembly.	
				Drive assembly #30337 Rev. B		Improved cartridge loading.	
				Drive assembly #30337 Rev. C		Patent Number added.	
				Drive assembly #30337 Rev. D		Olivetti barcode added.	
				PCBA #30509-201 Rev. A		PCBA board added.	
				PCBA #30509-201 Rev. B		LED socket added.	
				PCBA #30509-201 Rev. C		Drive rpm counter height reduced.	
				PCBA #30509-201 Rev. D		Jumper pull-up specifications changed.	
				PCBA #30509-201 Rev. E		Isolating label width reduced.	
				PCBA #30509-201 Rev. F		LED length reduced.	
				PCBA #30509-201 Rev. G		"Dash Number" label added.	
WANGTEK 5125 EN	125 MB	969136 V	00	PC-36-III #30850 (GO725)		For PCB evolution, see 60 MB STU.	
				Drive assembly #30337 Rev. A		New drive assembly.	
				Drive assembly #30337 Rev. B		Cartridge loading improved.	
				Drive assembly #30337 Rev. C		Patent Number added.	
				Drive assembly #30337 Rev. D		Olivetti barcode added.	
				PCBA #30830-551 Rev. C		New PCBA board.	
				PCBA #30830-551 Rev. D		Isolator label length reduced.	
				PCBA #30830-551 Rev. E		P/N change on microprocessor socket.	
				PCBA #30830-551 Rev. F		Voltage increase 16 to 25 V on C12/13/36.	
				PCBA #30830-551 Rev. G		LED length reduced.	
				PCBA #30830-551 Rev. H		Motor circuit diode modified.	
				PCBA #30830-551 Rev. J		Spacing corrections between C12/13/36.	

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
WANGTEK 5150 ES	150 MB	952152 U	00	Drive assembly 30603 Rev. A		New drive assembly.	
				Drive assembly 30603 Rev.A-1		Not always possible to perform tape read/write operations at power-on. Make 1 wiring and 1 cut.	6/91
				Drive assembly 30603 Rev. B		SCSI bus "Loading" when the drive is off has been corrected.	
				PCBA 30559-001 Rev. J		New PCBA board.	
				PCBA 30559-001 Rev. K		Input voltage margins (12 and 5 V) improved to meet filter requirements.	
				PCBA 30559-001 Rev. L		Optimized read input circuitry.	3/90
				PCBA 30559-001 Rev. M		SCSI bus "Loading" when the drive is off has been corrected.	
				PCBA 30559-101		Read circuitry improved, SCSI bus transceiver replaced and motor noise suppressed.	
						New bar-code / traceability label. The level of the code does not change.	10/91

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
WANGTEK 5150 ES-ACA	150 MB	978113 X	00	Drive assembly 33685 Rev. B		5150 ES replaced, PCB changed, some jumpers and adjustments eliminated. FW FW Formatter FA1008 and FW Controller DA0600.	1/92
				Drive assembly 33685 Rev. C		Updated FW formatter FA1208 and FW Controller DA0700.	
				Drive assembly 33685 Rev. D		Olivetti Barcode added.	
				Drive assembly 33685 Rev. E		Updated FW Formatter FA0020.	
			01	Drive assembly 33685-246 Rev. F		FW Formatter updated due to incorrect error signalling during partial removal of cassette.	6/92
				PCBA 33678-002 Rev. A		New PCBA.	
				PCBA 33678-002 Rev. B		Internal reset optimized.	
				PCBA 33678-002 Rev. C		PCBA Burn-in jumper added.	
				PCBA 33678-002 Rev. D		Sensor circuitry optimized.	
			06			Due to problems with the supplier, levels 02 to 05 have not been produced and therefore are not documented.	3/93
			07	Drive assembly 33685-246 Rev. G PCBA 33678-003 Rev. E		READ/SIC component replaced by the supplier.	3/93
			08	Drive assembly 33685-246 Rev. H PCBA 33678-201 Rev. A		Improved drive's read channel and modified stepper motor control algorithm. FW Formatter updated from 24535-002 to 24535-003, and microprocessor code updated from 24309-008 to 24309-011.	3/94
			09	Drive assembly 33685-246 Rev. J PCBA 33678-201 Rev. A		READ/ASIC component replaced by the supplier.	4/94
			10	Drive assembly 33685-246 Rev. K PCBA 33678-201 Rev. B		The same IC formatter as the one for drive 5525ES-ACA is used. The component is replaced by U16. The IC formatter code changes from 24218-003 to 24218-004.	8/94
			11	Drive assembly 33685-246 Rev. L PCBA 33678-201 Rev. B		New bar code label with $ in compliance with the specifications.	11/94

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
WANGTEK 5525 ES	320 MB	977145 W	00	Drive assembly 33707 Rev. B		New Drive assembly with SCSI control FW 16F and drive control E327.34.	
			00	Drive assembly 33707 Rev. B		New bar-code / traceability label. The level of the code does not change.	10/91
			01	Drive assembly 33707 Rev. C		SCSI control FW 17G and drive control E327.41 updated due to write problems on 150 MB cassettes with UNIX 4.0.	4/92
				PCBA 31320-001 Rev. A		New PCBA.	
				PCBA 31320-001 Rev. B		Redistribution of resistors for automatic PCBA test.	
			02	PCBA 31320-001 Rev. C		Stepper motor drive component replaced by supplier.	11/92
			03	Drive assembly 33707 Rev. D PCBA 31320-101 Rev. B		Heads connector replaced by the supplier.	11/92
			04	Drive assembly 33707 Rev. D PCBA 31320-101 Rev. B		Medium Error signalled when using 320/525 MB cassettes and the UNIX 4.0 O.S.. SCSI FW updated from 17G to 17G2; the new FW is to be used with the E327.41 drive control. This drive is no longer being produced, so apply only upon specific indication.	9/93
WANGTEK 5525 ES-ACA	320 MB	978123 Z	00	Drive assembly 33948-006 PCBA 33711 Rev. B		5525 ES replacement with a PCB change, some jumpers removed and adjustments eliminated. SCSI FW control D102-23 and drive control 24398-008.	3/93
			05	Drive assembly 33948-006 Rev. E PCBA 33711-002 Rev. C		Due to problems with the supplier, levels 00 to 04 have not yet been produced and are therefore not documented. This level changes to 05.	2/93
			08	Drive assembly 33948-006 Rev. H PCBA 33711-002 Rev. E		Two capacitors added to improve the read channel. The code changes from 05 to 08, the middle levels have not been produced.	2/94
			09	Drive assembly 33948-006 Rev. J PCBA 33711-003 Rev. A		READ/ASIC component replaced by the supplier. This chip's code changes from 23882-001 to 23882-003.	2/94
			10	Drive assembly 33948-006 Rev. K PCBA 33711-003 Rev. B		A capacitor has been added to reduce the noise on the read circuit.	8/94
			11	Drive assembly 33948-006 Rev. L PCBA 33711-003 Rev. B		FW replaced due to the problem with Syplus 1.37. The SCSI FW in position U14 OLI71F2, p/n 24792-001, c/s 681C becomes REV73Z, p/n 24398-030, c/s A953.	10/94
			12	Drive assembly 33948-006 Rev. M PCBA 33711-103		Eliminate the stack-up tolerance of the data request/acknowledge in the exchange circuitry.	11/94
			13	Drive assembly 33948-006 Rev. N PCBA 33711-103		New bar code label with $ in compliance with the specifications.	11/94
CONNER 2525	320 MB	935770 A	00	Conf.: 22503-701 Rev B FW: 29981-001		New drive replacing the Wangtek 5525ES-ACA. This drive can only be fitted on LSX, PCs with box92 and SNX systems.	9/93

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
WANGTEK 51000HT	1/1.2 GB	563328 E	00 00			New drive. The peripheral installed on a Silver box extends 7 mm from the machine. The standard front panel has been replaced with a reduced front panel, which is accepted on all boxes. The code of these peripherals does not change level.	12/95
TANDBERG TDC4120	1/1.2 GB	564216 X	00	FW: 964105 > 07:08 Object level: 12 Basic mech.: 964154-2 Main B.: 4143-0 or 4150-0 Head: 4144-1 Sensb.: 4101-1 Capstm.: 4142-1PH Stepm.: 8003-0 Lokk/Door: 19 Deksel/Cover: 19 Knast/Lug: 19		New drive with the following characteristics: - Front panel: interdark grey - Parity: ON - SCSI ID: 6 - TPWR: ON.	2/96
IRWIN 145	40 MB	969125 S	00	FW V145X1.0		New drive.	6/87
IRWIN 245	40 MB	969279 M	00	FW 3304101-A4		New drive.	5/89
IRWIN 245EA	40 MB	951386 W	00	FW 6000178-1		New drive replacing the Irwin 245.	1/90
IRWIN 285	120 MB	951397 Z	00	FW 6000034-2.3		New drive replacing the Irwin 245EA.	
IRWIN 287	120 MB	977857 Y	00	FW 6000471B Main PWA 6000786-1 Adapter board 6000603 Rev. A1		New drive with a 1 MB/sec transfer rate. Drive assembly CS0-90211.	2/91
IRWIN 31250A	120 MB	553537 N	00	Drive assembly 31250A-28100-303		New drive replacing the Irwin 285 and 287. New mechanical and electronic parts for feature improvements.	2/93
CONNER CTM420	210/420 MB	583332 S	00			New drive in the CN03 color grouping. Replaces all the previous STUs with floppy interface.	
MTUs							
CIPHER C880/ES	40 MB	934751 S	00	SCSI FW controller 966801-001 FW formatter 966635-003 SCSI FW controller 966801-001 FW formatter 966635-003		New drive. P.N. 966694-002. Olivetti code personalized by supplier; P.N. 966694-021.	3/93
KENNEDY 9662	217 MB	932567 Q	00	SCSI FW controller 46-00241-010 FW formatter 46-00211-018		New drive.	
HEW. PACK. HP88780B	217 MB	553539 Y	00	FW Processor P8 Ver. 6 Rev. 40 FW Processor P3 Ver. 6 Rev. 77 FW Processor P4 Ver. 6 Rev. 82 FW Processor P15 Ver. 6 Rev. 78		New drive.	8/93

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
DVTs							
EXABYTE EXB 8200S	2.3 GB	977859 A	00	MXPROM 252Q/SVPROM C020A		New drive.	
			01	MXPROM 268A/SVPROM C034		"DR725150-A00" PCB updated with "DR725151-A02" and FW updated to replace component WD33C93 with WD33C93A.	8/92
DATs							
H. P. HP35470A	1.3/2 GB	978132 S	01		FW 2.2	New drive.	5/92
			02		FW 2.27	FW replacement by the supplier. All drives are now using this FW	6/92
			03		FW 2.27	The supplier added one LED (hidden), and a protection on the +12 V programmable via Flash EPROM.	12/92
			04		FW 3.3	Improvements made to the mechanisms regulating tape insertion and exjection. FW modifications to improve the control of the tape during initialization.	12/93
H. P. HP35480A	2/8 GB	978137 X	00		FW 2.27	New drive. Differs from the HP35470A for the presence of a data compression/decompression chip.	12/92
			03		FW 2.27	Due to problems with the supplier, levels Nasc to 02 have not been produced and therefore have not been documented.	3/93
			04		FW 3.3	Improvements made to the mechanisms regulating tape insertion and exjection. FW modifications to improve the control of the tape during initialization.	12/93
H. P. C1536A	2/4 GB	564262 D	00			New drive.	
SONY SDT-4000	2/4 GB					New drive.	2/97

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
H. P. C1533A	2/8 GB	564256 F	00			New drive.	
			01		9608	New FW: - Solves the problem in Win NT for the CCB Belgium project. Following a backup and verify operation in NT, an illegal error message (non existant) is issued from Verify which stops the operations. - Attention Light: simplification of the flashing LED. - Marginal Writing: increase the ReadAfterWrite criteria to define the correct write. **Note:** The update is made by entering the appropriate cassette. No command must be sent to the peripheral during the operation. The automatic ejection of the cassette and the turining off of the LEDs signals a positive outcome. If this does not occur, try again after disconnecting the SCSI cable. Check the level using the DAT_DIA.EXE diagnostic.	11/96
SONY SDT-7000	2/8 GB	212544 X	00			New drive to cover the failed supply of model C1533A by H.P.	2/97
H. P. C1539A	2/8 GB		00			New low-cost DDS2 drive.	5/97

OPTICAL DRIVES

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
CD-ROMs							
SONY CDU 510-51	650 MB	951391 T					
HITACHI CD 550	650 MB						
SONY CDU 531-51	650 MB	977861 U	00	AA		New drive. Replaces the CDU 510, from which it differs having an audio jack on the front panel, H/A board, 40 msec access time. CDB-242 board code is 978254 L.	6/91
CDU 535-51		978133 T				Differs from model CDU 531 for the following: - Green LED on indicates unit is powered, yellow indicates data exchange operations - Additional audio commands - Faster buffering.	1/92
SONY CDU 6201	650 MB	977864 X	00	AA		New drive. CBD-242 board code is 978254 L.	6/91
CDU 6205		978134 U				Differs from model CDU 531 for the following: - Green LED on indicates unit is powered, yellow indicates data exchange operations - Additional audio commands - Faster buffering.	1/92
SONY CDU 541-51	650 MB	977147 Y	00	BC	FW 3.0	New drive.	6/90
SONY CDU 6211	650 MB	978130 C	00	AB	FW 3.0	New drive.	3/92
SONY CDU 561-51	650 MB	935758 A	00	CA	1.9M	New 2X drive replacing the SONY CDU 541-51. This drive can only be fitted on LSX, box92 systems and all new PC models.	9/93
PANASONIC CR-503-B	650 MB	560430 A	00		1.0F	New 2X drive with CN03 colored front panel.	10/94
			01		1.0J	New FW for functional improvements.	3/95
SONY CDU76S	650 MB	564250 M	00		1.0a	New 4X drive with CN03 colored front panel.	
			01		1.1a	New FW for functional improvements and to solve the problem signalled through the use of the System Test.	7/95
			02		1.1c	New FW to avoid system hang-ups in the OS/2 2.11 environment during continuous reads on the CD-ROM.	2/96
PANASONIC CR-504-J	650 MB	564263 E	00			New drive included in the 4X SCSI CD-ROM grouping.	5/96

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
PANASONIC CR-506-B	650 MB	564205 D	00		8S04	New drive included in the 8X SCSI CD-ROM grouping.	10/96
			01		8S05	New FW to increase the synchronous transfer rate from 5 to 10 MB/sec.	11/96
			02		8S07	New FW that solves the following problem: during 10 MB/sec synchronous transfers it may be possible that the drive does not wait a reply from the host and changes the SCSI phase by ending the transfer in an error condition.	5/97
SONY CDU415-10	650 MB	212552 X	00	BA		New drive included in the 12X SCSI CD-ROM grouping.	5/97
			01	BB		Parts in rubber have been added to the internal mechanics to reduce vibrations. No modification to the firmware nor to the board.	6/97
SONY CDU31A	650 MB	559066 F	00	BA	1.1J	New drive. This drive is listed in the P.d.G. under CDU 31/A or CDU 31/B. The difference between the two is that the CDU 31/B has a lower front panel so that it can be fitted on box 305 systems.	12/93
SONY CDU33A	650 MB	559092 S	00	BA	1.0D	New drive replacing the CDU 31/A. It differs from the previous model as it has a faster rotation speed. Also this drive is listed in the P.d.G. under CDR 40-33/A or CDR 40-33/B. The difference between the two is that the CDR 40-33/B has a lower front panel so that it can be installed in box 305 systems.	2/94
			01	BB	1.0F	Incorrect resolutions when reading some wrongly recorded photo-CDs. This problem has never occurred in Olivetti.	4/94
			02	BC	1.0F	New PCB as there was a change in the supplier of the chip. The new chip is smaller than the previous one, and the ROM FW has been masked. Functions and performance remain unchanged.	06/94
SONY CDU56D-51	650 MB	562632 W	00		1.0v	New 2X drive with CN200 front panel.	
SONY CDU50E	650 MB	564246 D	00		1.0d	New 2X drive with CN03 colored front panel for PCS Educator models	
			01		2.0b	New FW to mask the chip.	8/95
		564252 B	00		1.0d	New 2X drive with CN200 front panel for Envision models.	
			01		2.0b	New FW to mask the chip.	8/95
GOLDSTAR GCD-R520	650 MB	562633 X	00		1.0	New 2X drive with CN03 colored front panel for PCS Educator models.	

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
SONY CDU76E	650 MB	564248 P	00		1.0c	New 4X drive for Modulo/Suprema models.	
			01		1.0g	New FW for the management of a different RAM capacity. To improve the signal, resistors have been added on the board in series with the data wires.	10/95
			02		1.0h	New FW to solve a problem with the Read Toc command.	11/95
		564254 D	00		1.0c	New 4X drive for Envision models.	
			01		1.0g	New FW for the management of a different RAM capacity. To improve the signal, resistors have been added on the board in series with the data wires.	10/95
			02		1.0h	New FW to solve a problem with the Read Toc command.	11/95
PANASONIC CR-581	650 MB	564258 R	00		1.06	New 4X drive for Modulo/Suprema models.	11/95
			01		1.07	New FW to solve the problems in the video CD environment.	1/96
		564257 G	00		1.06	New 4X drive for Envision models.	11/95
			01		1.07	New FW to solve the problems in the video CD environment.	1/96
GOLDSTAR GCD-R540	650 MB	564265 G	00	R540B	1.18	New 4X drive for PCS models.	
		564256 G	01	R540C	1.18 New Bushing	Modified the CD's mechanical securing mechanism to avoid possible vibration during ordinary drive operation.	11/95
		564260 P	00	R540B	1.18	New 4X drive for Envision models.	
		564189 V	00	R540C	1.18 New Bushing	Modified the CD's mechanical securing mechanism to avoid possible vibration during ordinary drive operation.	11/95
SONY CDU77E	650 MB	564192 Q	00			New 4X drive.	5/96
MITSUMI FX400D	650 MB	564259 J	00		B06	New 4X drive for Envision models.	
MITSUMI FX600S	650 MB	564195 K	00		P01	New 6X drive.	
GOLDSTAR GCD-R560B	650 MB	564196 L	00		1.00	New 6X drive.	

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
GOLDSTAR GCD-R580B	650 MB	564198 W	00	R580B	1.00	New 8X drive.	
			01	R580B	2.01	New FW that reduces the spin down time when the drive does not receive any command. This time goes from 4 minutes to 30 seconds.	10/96
			02	R580B	2.01	Motor supplier changed from Sony to Goldstar.	11/96
			03	R580B	1.05	Memory buffer changed from 256 KB to 128 KB and the FW changed so that the new memory buffer can be handled. The FW also solves a problem in WIN/NT detected on the first samples received with the new buffer size.	11/96
SONY CDU311-51	650 MB	564209 R	00		3.1i	New 8X drive.	10/96
GOLDSTAR CRD-8160B	650 MB	212546 Z	00		1.06	New 16X drive.	
			01			Replacement of the OTI-911A interface controller, no longer in production, with the new OTI-911LP. The FW does not change.	4/97
SONY CDU511-10	650 MB	212547 S	00		1.0j	New 16X drive.	
			01		1.0k	New FW that solves the following problems: - Tray closure at power up or after a SW/HW reset. - When the media was not inserted following a Mode Sense command, the drive replied as follows: 80mm CD-Audio inserted, tray closed. With the new FW, it now replies: No Media inserted, Tray closed.	5/97
WORMs							
LASERDRIVE OD-810	810 MB	951612 Y	00	Sys. Board 31-01-00009-13 Botton Board 31-01-00044 Top Board 31-01-00041 FW (U1) V3.14-1, (U2) V3.14-1		New drive.	
				Sys. Board 31-01-00047 Botton Board 31-01-00049 Top Board 31-01-00048 FW (U1) V3.15-1, (U2) V3.15-1			7/89
				FSC 31-01-00111 FW 3.26		Change of controller from a 4-board to a single board version.	5/91
			01	FW 3.30		Initialization error due to loss of "disk worm history". Single board controller FW replaced. The new FW does not work if installed on the earlier 4-board controller version.	9/92

MODEL	CAP	CODE	REV	CONFIG.	FIRMWARE	NOTES	DATE
EODs							
SONY SMO-S501-11	650 MB	977168 D	00		CCP-2.13	New drive.	
			01		CCP-2.22	FW updated to improve quality.	6/91
			02		CCP-2.22	Improved EMI margins. 2 capacitors added to ACN board.	5/92
SONY SMO-E501	650 MB	978135 V	00	E	FW 3.02	New drive. Used only inside a Kodak ADL560.	11/91
MODs							
SONY SMO-E511	650 MB	978138 G	00	A	FW 4.02	New drive.	9/91
JUKE BOXES							
KODAK ADL560	28/35 GB	978129 F	00	Drive SMO-E501 Rev. E, FW 3.02		New peripheral with 2, 3 or 4 Sony SMO-E501 EOD drives.	11/91
KODAK ADL560E	28/35 GB	553536 M	00	Drive SMO-E511 Rev. A or B, FW 4.1		New peripheral with 2, 3 or 4 Sony SMO-E511 MOD drives. Replaces the ADL560.	12/92

GROUPING OF PERIPHERALS AND EVOLUTION

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
5.25 " FDU				
965936 K *	00	1.2 MB	PANASONIC JU-475-3 code 969150 P	1/91
977870 H *	00	1.2 MB	PANASONIC JU-475-4 C08 code 977868 B * PANASONIC JU-475-5 C08 code 977868 B *	7/91
015994 H * (ex office)	00	1.2 MB CN03 colored dual speed	PANASONIC JU-475-5 C20 code 015994 H *	
589980 U *	00	1.2 MB CN03 colored std. front panel	PANASONIC JU-475-5 A72 code 589981 R *	
3.5 " FDU				
951384 U *	00 01	1.44 MB Con. front panel CN03 colored pin#2 = hd-out	PANASONIC JU-257A-104P code 951383 T * SONY MP-F17W-85 code 951390 E * MITSUBISHI MF355C-58ML code 951394 W * PANASONIC JU-257A-104P code 951383 T * SONY MP-F17W-85 code 951390 E * MITSUBISHI MF355C-58ML code 951394 W * Y-E DATA YD-702B-6037B code 558464 A *	 3/93
324051 U * (ex office)	01	1.44 MB Con. front panel CN03 colored pin#2 = ld-input	PANASONIC JU-257A-294P code 324045 W * SONY MP-F17W-86 code 324046 X * Y-E DATA YD-702B-6039B code 151845 Y *	
589010 S *	00 01 02	1.44 MB Flat front panel CN03 colored pin#2 = hd-out	SONY MPF420-1/A3C code 558455 H * SONY MPF420-1/A3C code 558455 H * SONY MPF520-3/A3C code 558462 G * SONY MPF420-1/A3C code 558455 H * SONY MPF520-3/A3C code 558462 G * MITSUMI D359T5 code 560431 X *	 10/94 2/95
558452 E *	00 01	1.44 MB Flat front panel CN03 colored pin #2 = spare	SONY MPF420-1/A3C code 558455 H * Y-E DATA YD-702B-6037B code 558453 F * MITSUMI D359T3 code 558454 G * TEAK FD-235HF-4473 code 558456 A * SONY MPF420-1/A3C code 558455 H * Y-E DATA YD-702D-6037D code 589982 J * MITSUMI D359T3 code 558454 G * TEAK FD-235HF-4473 code 558456 A *	 4/94
560445 D *	00	1.44 MB Flat front panel Avory pin#2 = hd-out	SONY MPF520-3/A1C code 560446 E * MITSUMI D359T5 code 560442 A *	
558458 L *	00 01	1.44 MB Flat front panel CN107 colored pin #2 = hd-out (for TIN boxes)	SONY MPF420-1 code 558446 G * Y-E DATA YD-702B-6037B code 558444 E * SONY MPF420-1 code 558446 G * Y-E DATA YD-702B-6037B code 558444 E * MITSUMI D359T3 code 558445 F *	 5/93

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
558457 B	00	1.44 MB Flat front panel CN03 colored	SONY MPF420-1/A3C code 558455 H * Y-E DATA YD-702B-6037B code 558453 F *	
	01	pin#2 = hd-out	SONY MPF420-1/A3C code 558455 H * Y-E DATA YD-702B-6037B code 558453 F * MITSUMI D359T3 code 558454 G *	5/93
	02		SONY MPF420-1/A3C code 558455 H * MITSUMI D359T3 code 558454 G * Y-E DATA YD-702D-6037D code 589982 J * TEAC FD-235HF-6573 code 563319 D *	4/94
	03		TEAC FD-235HF-6573 code 563319 D * MITSUMI D359T3 code 558454 G * Y-E DATA YD-702D-6037D code 589982 J * SONY MPF520-3/A3C code 558462 G *	10/94
	04		TEAC FD-235HF-6573 code 563319 D * Y-E DATA YD-702D-6037D code 589982 J * SONY MPF520-3/A3C code 558462 G * MITSUMI D359T5 code 560431 X *	1/95
	05		TEAC FD-235HF-6573 code 563319 D * Y-E DATA YD-702D-6037D code 589982 J * SONY MPF520-3/A3C code 558462 G * MITSUMI D359T5 code 560431 X * EPSON SMD1340P-31 code 564270 R *	10/95
	06		Y-E DATA YD-702D-6537D code 589982 J * SONY MPF520-3/A3C code 558462 G * MITSUMI D359T5 code 560431 X * EPSON SMD1340P-31 code 564270 R * SONY MPF920-3/A3C code 212540 F	3/97
	07		Y-E DATA YD-702D-6537D code 589982 J * SONY MPF520-3/A3C code 558462 G * MITSUMI D359T5 code 560431 X * EPSON SMD1340P-31 code 564270 R * SONY MPF920-3/A3C code 212540 F PANASONIC JU-257A746P code 212535 N	3/97
558443 D *	00	1.44 MB Flat front panel CN107 colored pin #2 = spare (for TIN boxes)	SONY MPF420-1 code 558446 G * Y-E DATA YD-702B-6037B code 558444 E * MITSUMI D359T3 code 558445 F *	
151567 Z *	01	1.44 MB 18 mm CN03 colored pin#2 = hd-input	EPSON SMD1040-418 code 151568 A *	11/92
558450 Q *	00	1.44 MB 18 mm CN03 colored	EPSON SMD1040-321 code 558451 D *	
	01	26-pin connector auto select	EPSON SMD1040-321 code 558451 D * MITSUMI D359C code 589992 L *	2/94
558441 B *	00	1.44 MB 18 mm CN03 colored 34-pin connector auto select	EPSON SMD1040-419 code 558442 C *	

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
564206 E	00 01	1.44 MB pin 2 = hd-out No front panel shutter: CN03	YE-DATA YD-702D-6537D code 564207 F YE-DATA YD-702D-6537D code 564207 F PANASONIC JU-257A746P code 564208 Q	 3/97
977874 Z *	00	2.88 MB Con. front panel CN03 colored Density IN	SONY MP-F40W-17 code 977873 Y *	
558448 J *	00	2.88 MB Flat front panel CN03 colored Density IN	SONY MP-F40W-17/1 code 558449 K * TEAC FD-235J code 558459 M *	2/93
558460 J *	00	2.88 MB Flat front panel CN107 colored (for TIN boxes)	SONY MP-F40W code 558461 F * TEAC FD-235J code 558462 G *	
558510 C *	00	2.88 MB Flat front panel auto select	SONY MP-F40W-31 code 558511 Z * TEAC FD-235J-5636 code 560466 A *	12/93
ST506 HDU				
969102 C *	00	20 MB 85 ms	NEC D3126 code 968796 A * LEXICON HD352 code 969116 Z * NEC D3126 (oxide) code 969124 Z * MINISCRIBE 8425 code 969148 R *	
931379 N *	00	20 MB <30 ms	SEAGATE ST125 code 951380 C *	
931388 G *	00	20 MB <30 ms	SEAGATE ST125 (new media) code 951389 H *	
969142 B *	00	40 MB 40 ms	FUJITSU M2227D2 code 969143 C * NEC D3146H code 969147 G *	
951377 C *	00	40 MB <30 ms	NEC D3142 code 951375 A *	
969141 A *	00	60 MB 40 ms	NEC D5147H code 969140 M * CDC WREN II code 969144 D *	
969104 E *	00	71 MB 28 ms	MICROPOLIS 1325/LV code 969110 F * CDC WREN II 94155-86 code 969109 K *	
MCA HDU				
977866 Z *	00	60 MB 19 ms	CONNER CP30069 code 977866 Z *	7/91
952167 T *	00	100 MB 19 ms	CONNER CP30109 code 952166 S *	9/90
977867 S *	00	120 MB 19 ms	CONNER CP30129 code 977867 S *	7/91
977142 T *	00	210 MB 16 ms	CONNER CP3209 code 977141 S *	9/90
ESDI HDU				
969155 G *	00	81 MB <20 ms	CDC WREN 3 code 969154 F *	4/88
952140 C *	00	81 MB <20 ms	CDC ST2106E code 952139 X *	4/90
951393 V *	00	136 MB <20 ms	NEC D5655 code 951653 H * MICROPOLIS 1654-7 code 951652 G *	4/89
952149 H *	00	136 MB <20 ms	NEC D5655 code 952148 G * MICROPOLIS 1654-7 code 951652 G *	4/89
952784 W *	00	136 MB 18 ms	SEAGATE ST2182E code 978114 Y *	9/91

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
967451 X *	00	140 MB 25 ms	FUJITSU M2246E code 967451 X * MICROPOLIS 1355 code 967451 X * NEC D5652 code 967451 X * SEAGATE 94166-182 code 967451 X *	8/87 6/89 1/87 3/90
951376 B *	00	304 MB <20 ms	MICROPOLIS 1558 code 951385 V * IMPRIMIS ST4383E o 94186-383 code 951651 F *	10/89
977161 W *	00	320 MB 16 ms	SEAGATE ST2383E code 977160 H *	12/90
952156 Y *	00	618 MB 18 ms	MAXTOR 8760E code 952155 X *	3/90
HDU AT				
962363 H *	00	20 MB <30ms	CONNER CP3022 code 962364 A * CONNER CP3024 code 962506 S *	12/88
962361 F *	00	40 MB <30 ms	CONNER CP3142 code 962362 G * CONNER CP346 code 951395 X *	12/88
952158 A *	00	40 MB 25 ms	CONNER CP3046 code 952259 B *	3/90
977150 F *	00 01	40 MB 25 ms	CONNER CP3044 code 977149 A * CONNER CP3046 code 952259 B * CONNER CP3044 code 977149 A * CONNER CP3046 code 952259 B * CONNER CP3046F code 978127 V *	6/90 10/92
977869 C *	00	40 MB 19 ms	CONNER CP3046F code 977869 C *	6/91
151570 G * (ex office)	00 01	40 MB low cost	CONNER CP3000 code 151571 V * WESTERN DIGITAL AC-140-04S code 151572 W* CONNER CP3000 code 151571 V * WESTERN DIGITAL AC-140-04S code 151572 W* QUANTUM ELS42AT cod 553534 K *	10/91 1/93
977856 X *	00 01	40 MB 19 ms	QUANTUM LPS52AT code 977154 X * QUANTUM LPS52AT code 977154 X WESTERN DIGITAL AC-140-14M code 978110 G*	9/91 9/91
022491 G * (ex office)	00 01	40 MB	CONNER CP3044 code 151294 Y * CONNER CP3044 code 151294 Y * WESTERN DIGITAL AC-140-04M code 151295 Z*	
978126 U *	00 01	40 MB 19 ms	CONNER CP3046F code 978127 V * WESTERN DIGITAL AC-140-14M code 978110 G* QUANTUM LPS52AT code 977154 X * WESTERN DIGITAL AC-140-14M code 978110 G* QUANTUM ELS42AT cod 553534 K *	9/92 1/93
558503 A *	00	40 MB	CONNER CP3000 code 151571 V * QUANTUM ELS42AT cod 553534 K * (da utilizzare su PCS11/33, M290-20, M300-02)	1/93
059465 A * (ex office)	00	80 MB	CONNER CP30084 code 150773 J * WESTERN DIGITAL AC-280-04M code 150767 L*	
151820 T * (ex office)	00	85 MB	CONNER CP30084E code 151823 J * WESTERN DIGITAL AC-280-04M code 150767 L*	

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
978118 C *	00	85 MB 17 ms	WESTERN DIGITAL AC-280-14M code 978120 A*	
	01		CONNER CP30084E code 978119 D * WESTERN DIGITAL AC-280-14M code 978120 A*	5/92
	02		CONNER CP30084E code 978119 D * WESTERN DIGITAL AC-280-14M code 978120 A* QUANTUM ELS85AT code 553535 L *	1/93
558524 W *	00	85 MB	WESTERN DIGITAL AC-280-14M code 978120 A*	
	01		WESTERN DIGITAL AC-280-14M code 978120 A* CONNER CP30084E code 978119 D *	5/92
	02		CONNER CP30084E code 978119 D * WESTERN DIGITAL AC-280-14M code 978120 A* QUANTUM ELS85AT code 553535 L * (to use on PCS11/33, M290-20, M300-02)	1/93
962665 B *	00	100 MB <30 ms	CONNER CP3106 code 962366 C *	12/88
059055 A * (ex office)	00	100 MB	CONNER CP30104 code 059055 A *	
952161 V *	02	100 MB 19 ms	CONNER CP30106 code 952160 G * QUANTUM LPS105AT code 977155 Y *	6/91
059464 H * (ex office)	00	120 MB	CONNER CP30126 code 977855 W * WESTERN DIGITAL AC-2120-04F code 151298C*	
	01		CONNER CP30126 code 977855 W * WESTERN DIGITAL AC-2120-04F code 151298C* QUANTUM ELS127AT code 558496 T *	1/93
	05		CONNER CP30126 code 977855 W * WESTERN DIGITAL AC-2120-04F code 151298C* QUANTUM ELS127AT code 558496 T * CONNER CP30124 code 558508 P *	5/93
977854 V *	01	120 MB 19 ms	CONNER CP30126 code 977855 W *	
	02		CONNER CP30126 code 977855 W * WESTERN DIGITAL AC-2120-04F code 151298C*	2/93
	03		CONNER CP30126 code 977855 W * WESTERN DIGITAL AC-2120-04F code 151298C* QUANTUM ELS127AT code 558496 T *	4/93
	04		CONNER CP30126 code 977855 W * WESTERN DIGITAL AC-2120-04F code 151298C* QUANTUM ELS127AT code 558496 T * CONNER CP30124 code 558508 P *	5/93
558518 G *	00	120 MB low cost	SEAGATE ST3145A code 558519 H * CONNER CP30124 code 558508 P *	

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
553513 N *	00	170 MB 17 ms	CONNER CP30174E code 553514 P *	
	01		CONNER CP30174E code 553514 P * QUANTUM ELS170AT code 558497 U *	1/93
	02		CONNER CP30174E code 553514 P * QUANTUM ELS170AT code 558497 U * WESTERN DIGITAL AC1170-14F code 558506 D*	2/93
	03		CONNER CP30174E code 553514 P * QUANTUM ELS170AT code 558497 U * WESTERN DIGITAL AC1170-14F code 558506 D* CONNER CFA170A code 559080 A *	10/93
	04		CONNER CP30174E code 553514 P * QUANTUM ELS170AT code 558497 U * WESTERN DIGITAL AC1170-14F code 558506 D* CONNER CFA170A code 559080 A * QUANTUM LPS170AT code 558520 E *	1/94
589995 P *	01	170 MB local bus	WESTERN DIGITAL AC1170-14M code 560472G* QUANTUM LPS170AT code 558520 E *	
150982 V * (ex office)	00	210 MB	CONNER CP3206 code 952162 W * WESTERN DIGITAL AP-4200-04 code 151264 H *	3/92
952163 X *	02	210 MB 16 ms	CONNER CP3206 code 952162 W *	3/92
553512 M *	00	210 MB 12/16 ms	CONNER CP3206 code 952162 W * QUANTUM LPS240AT code 978125 T *	3/92
	01		QUANTUM LPS240AT code 978125 T * CONNER CP30256 code 558498 D *	2/93
978124 S *	00	210 MB 12 ms	QUANTUM LPS240AT code 978125 T *	
	01		QUANTUM LPS240AT code 978125 T * CONNER CP30256 code 558498 D *	1/93
559081 X *	00	210 MB	WESTERN DIGITAL AC1210-14F code 559082 Y*	
	01		WESTERN DIGITAL AC1210-14F code 559082 Y* CONNER CFS210A code 559093 T *	2/94
589996 Q	00	210 MB local bus	WESTERN DIGITAL AC1210-14F code 589997 R	
	01		WESTERN DIGITAL AC1210-14F code 589997 R SEAGATE ST3250A code 560470 J	4/94
	02		WESTERN DIGITAL AC1210-14F code 589997 R SEAGATE ST3250A code 560470 J CONNER CFS210A code 560475 B	4/94
	03		WESTERN DIGITAL AC1210-14F code 589997 R SEAGATE ST3250A code 560470 J CONNER CFS210A code 560475 B QUANTUM LPS210AT code 560428 C	7/94
553520 Z *	00	240 MB 14 ms	QUANTUM LPS240AT code 553521 N * CONNER CP30254 code 553530 T *	
	01		QUANTUM LPS240AT code 553521 N * CONNER CP30254 code 553530 T * WESTERN DIGITAL AC2250-14F code 558507 E*	3/93

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
560458 J	00	270 MB local bus	CONNER CFA270A code 560460 Q	
	01		CONNER CFA270A code 560460 Q QUANTUM LPS270AT code 560459 K	8/94
563305 G	00	270 MB 1" local bus 3600 rpm	QUANTUM Maverick 270AT code 563306 H CONNER CFS270A code 562641 F SEAGATE ST3295A code 562638 C	
977872 X *	00	340 MB 12 ms	CONNER CP 3304 code 977871 W *	
	01		CONNER CP 3304 code 977871 W * SEAGATE ST1401A code 978117 T *	3/92
	02		SEAGATE ST1401A code 978117 T * CONNER CP3364 code 558499 E *	1/93
	03		SEAGATE ST1401A code 978117 T * CONNER CP3364 code 558499 E * WESTERN DIGITAL AC2340 code 553529 W *	1/93
553528 V *	00	340 MB 1"	WESTERN DIGITAL AC2340 code 553529 W *	
	01		WESTERN DIGITAL AC2340-14H code 553529W* SEAGATE ST3390A code 558517 X *	
	02		WESTERN DIGITAL AC2340-14H code 553529W* QUANTUM LPS340AT code 589978 D * CONNER CFA340A code 558509 Q *	1/94
	03		WESTERN DIGITAL AC2340-14H code 553529W* WESTERN DIGITAL AC2340-14H code 589999 T* QUANTUM LPS340AT code 589978 D * CONNER CFA340A code 558509 Q *	4/94
589998 S *	00	340 MB 1" local bus	WESTERN DIGITAL AC2340-14H code 589999 T*	
	01		WESTERN DIGITAL AC2340-14H code 589999 T* SEAGATE ST3391A code 560471 F *	9/94
	02		WESTERN DIGITAL AC2340-14H code 589999 T* QUANTUM LPS340AT code 589978 D * SEAGATE ST3391A code 560471 F *	
560461 D	00	420 MB 1" local bus	WESTERN DIGITAL AC2420-14H code 560462 E	
	01		WESTERN DIGITAL AC2420-14H code 560462 E SEAGATE ST3491A code 560463 F	9/94
	02		WESTERN DIGITAL AC2420-14H code 560462 E CONNER CFS420A code 560464 G SEAGATE ST3491A code 560463 F QUANTUM LPS420AT code 560429 D	10/94
	03		WESTERN DIGITAL AC2420-14H code 560462 E CONNER CFS420A code 560464 G SEAGATE ST3491A code 560463 F QUANTUM LPS420AT code 560429 D CONNER CFS425A code 563322 Y	

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
563307 A	00 01	420 MB 1" local bus 4500 rpm	CONNER CFA425A code 563308 K WESTERN DIGITAL AC1425 code 563324 S WESTERN DIGITAL AC1425 code 563324 S QUANTUM TR420AT code 563326 U CONNER CFA425A code 563308 K	 6/95
151314T * (ex office)	00	510 MB	CONNER CP3504 code 151353 A *	
978111 V *	00 01	510 MB 12 ms	CONNER CP3504 code 978112 W * CONNER CP3544 code 558500 K *	6/92 1/93
978501 G *	00	510 MB 1"	CONNER CP30544 code 558502 H *	4/93
558513 T *	00 01	540 MB 1"	CONNER CP30544 code 558514 U * CONNER CP30544 code 558514 U * SEAGATE ST3655A code 558512 S *	 12/93
560455 F	00 01 02 02	540 MB 1" local bus	CONNER CFA540A code 558516 W CONNER CFA540A code 558516 W SEAGATE ST5660A code 558517 X CONNER CFA540A code 558516 W SEAGATE ST5660A code 558517 X QUANTUM LPS540AT code 560457 H CONNER CFA540A code 558516 W SEAGATE ST5660A code 558517 X QUANTUM LPS540AT code 560457 H QUANTUM Lightning 540AT code 563314 Y	2/94 7/94 8/94 2/95
564222 V *	00	635 MB 1" local bus 3600 rpm for Envision	CONNER CFS635A code 564223 W * SEAGATE ST3630A code 564238 D * QUANTUM TR635AT code 564225 Y * QUANTUM FR640AT code 564225 Y * CONNER CFS636A code 212085 M *	9/95
564237 U *	00	635 MB 1" local bus 3600 rpm	CONNER CFS635A code 564223 W * SEAGATE ST3630A code 564238 D * QUANTUM TR635AT code 564225 Y * QUANTUM FR640AT code 564225 Y * CONNER CFS636A code 212085 M *	11/95
564224 X *	00	635 MB 1" local bus 5400 rpm S.M.A.R.	QUANTUM FR640AT code 564225 Y	
564228 B *	00 01	850 MB 1" local bus 3600 rpm	CONNER CFS850A code 564229 C * QUANTUM TR850AT code 564217 Y * CONNER CFS850A code 564229 C * QUANTUM TR850AT code 564217 Y * MAXTOR 7850AV code 564236 T *	 10/95
563309 L *	00 01	850 MB 1" local bus 4500 rpm	CONNER CFA850A code 563310 G * QUANTUM TR850AT code 564217 Y * CONNER CFA850A code 563310 G *	 6/95
589985 M *	00	1.05 GB 1.6"	MICROPOLIS 2112A code 589986 N *	

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
560449 R	00	1.05 GB 1" local bus	MICROPOLIS 4110A code 560450 N	
	01		MICROPOLIS 4110A code 560450 N IBM DPEA 31080 code 563320 A	3/95
212091 M	00	1.05 GB 1" local bus	FUJITSU M1614TA code 212092 N *	10/96
	01	4500 rpm	SEAGATE ST31082A code 212527 H	10/96
	02		SEAGATE ST31082A code 212527 H QUANTUM TM1080AT code 212531 J	11/96
564230 H *	00	1.2 GB 1" local bus 3600 rpm	CONNER CFS1275A code 564231 C *	
563311 V *	00	1.2 GB 1" local bus 4500 rpm	CONNER CFA1275A code 563312 W *	
212507 T	00	1.2 GB local bus 3600 rpm 5.25"	QUANTUM BF1280AT code 212508 C	
564226 Z	00	1.2 GB 1" local bus 5400 rpm	QUANTUM FR1280AT code 564227 S * CONNER CFS1276A code 212084 N * SEAGATE ST31276A code 212084 N *	
	01		QUANTUM FR1280AT code 564227 S * CONNER CFS1276A code 212084 N * SEAGATE ST31276A code 212084 N * WEST. DIGITAL AC21200-14H code 212097 K *	6/96
	02		QUANTUM FR1280AT code 564227 S * WEST. DIGITAL AC21200-14H code 212097 K * CONNER CFS1276A code 212084 N * SEAGATE ST31276A code 212084 N *	6/96
	03		QUANTUM FR1280AT code 564227 S * WEST. DIGITAL AC21200-14H code 212097 K * CONNER CFS1276A code 212084 N * SEAGATE ST31276A code 212084 N * SEAGATE ST51270A code 212529 Y	10/96
	04		QUANTUM FR1280AT code 564227 S * WEST. DIGITAL AC21200-14H code 212097 K * CONNER CFS1276A code 212084 N * SEAGATE ST31276A code 212084 N * SEAGATE ST51270A code 212529 Y QUANTUM TM1280AT code 212528 X	10/96
	05		QUANTUM FR1280AT code 564227 S * WEST. DIGITAL AC21200-14H code 212097 K * CONNER CFS1276A code 212084 N * SEAGATE ST31276A code 212084 N * SEAGATE ST51270A code 212529 Y QUANTUM TM1280AT code 212528 X FUJITSU M1636TAU code 214366 E	11/96

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
212107 S	00	1.7 GB 1" local bus		
	01		QUANTUM TM1700AT code 214359 P	10/96
	02		QUANTUM TM1700AT code 214359 P FUJITSU M1623TAU code 214369 R	11/96
	03		QUANTUM TM1700AT code 214359 P FUJITSU M1623TAU code 214369 R SEAGATE ST31720A code 215425 K	4/97
212085 P	00	1.6 GB 1" local bus 4500 rpm	IBM DJAA-31700 code 212086 Q * QUANTUM SR1700AT code 212105 Y *	
	01		IBM DJAA-31700 code 212086 Q * QUANTUM SR1700AT code 212105 Y * QUANTUM TM1700AT code 214359 P	10/96
	02		IBM DJAA-31700 code 212086 Q * QUANTUM SR1700AT code 212105 Y * QUANTUM TM1700AT code 214359 P FUJITSU M1623TAU code 214369 R	11/96
212525 L	00	2 GB local bus	QUANTUM TM2110AT code 212526 M	
	01	4500 rpm	QUANTUM TM2110AT code 212526 M FUJITSU M1624TAU code 214370 N	11/96
	02		QUANTUM TM2110AT code 212526 M FUJITSU M1624TAU code 214370 N IBM DAQA-32160 code 214371 B	1/97
	03		QUANTUM TM2110AT code 212526 M FUJITSU M1624TAU code 214370 N IBM DAQA-32160 code 214371 B MAXTOR 82187A code 215419 V	4/97
212095 R	00	2 GB local bus	SEAGATE ST32140A code 212096 J *	
	01	5400 rpm	SEAGATE ST32140A code 212096 J * FUJITSU M1624TAU code 214370 N IBM DAQA-32160 code 214371 B	3/97
214367 F	00	2.1 GB local bus 3600 rpm	QUANTUM BF2110AT code 214368 Q QUANTUM CY2110AT code 215427 M	
	01	5.25"	QUANTUM BF2110AT code 214368 Q QUANTUM CY2110AT code 215427 M FUJITSU M1624TAU code 214370 N	4/97
212509 D	00	2.5 GB local bus 3600 rpm 5.25"	QUANTUM BF2550AT code 212510 Z	
212511 N	00	2.5 GB Local bus	QUANTUM SR2550AT code 212512 P	

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
212521 Q	00	2.5 GB local bus	QUANTUM TM2550AT code 212522 R	
	01	4500 rpm	QUANTUM TM2550AT code 212522 R FUJITSU M1638TAU code 214372 C	11/96
	02		QUANTUM TM2550AT code 212522 R FUJITSU M1638TAU code 214372 C SEAGATE ST52520A code 214373 D	11/96
	03		QUANTUM TM2550AT code 212522 R FUJITSU M1638TAU code 214372 C SEAGATE ST52520A code 214373 D SEAGATE ST32531A code 215426 L	4/97
212523 J		3.2 GB local bus		
	01	4500 rpm	QUANTUM TM3240AT code 212524 K	
	02		QUANTUM TM3240AT code 212524 K IBM DAQA-33240 code 214374 E	1/97
215416 J	00	4.3 GB local bus 3600 rpm 5.25"	QUANTUM CY4300AT code 215417 K	
DIFFERENTIAL SCSI NARROW INTERFACE HDU				
935582 B *	00	525 MB 10 ms 1" Diff.	CONNER CP30540D code 935583 C *	
935795 Q *	00	2.1 GB 10 ms	SEAGATE ST12400ND code 935775 T *	
SINGLE-ENDED SCSI NARROW INTERFACE HDU				
952151 T *	00	100 MB 19 ms	CONNER CP30100 code 952150 E *	9/90
558522 U *	00	120 MB 17 ms	QUANTUM ELS127S code 558523 V *	
952143 T *	00	150 MB 19 ms	SEAGATE WREN 5 code 952142 S * MICROPOLIS 1674-7 code 952157 Z *	3/90
952144 U *	00	210 MB 16 ms 1.6"	CONNER CP3200F code 952145 V *	9/90
553522 P *	00	210 MB 12 ms 1"	CONNER CP30200 code 553523 Q *	
	01		CONNER CP30200 code 553523 Q * SEAGATE ST3283N code 553532 R *	1/93
589983 K	00	270 MB	QUANTUM LPS270S code 589984 L	
952146 W *	00	300 MB 18 ms	IMPRIMIS 94171-376 code 952147 X *	12/89
977158 B *	00	330 MB 14 ms	SEAGATE ST2383N code 977159 C *	3/91
977877 U *	00	340 MB 12 ms SCSI 1	CONNER CP3300 code 977878 D *	
	01		CONNER CP3300 code 977878 D * CONNER CP3360 code 553515 Q *	9/92
978115 Z *	00	340 MB 12 ms SCSI 2	SEAGATE ST1401N code 978116 S *	
	01		SEAGATE ST1401N code 978116 S * CONNER CP3360 code 553515 Q *	8/92
934169 T *	00	340 MB 10 ms 1"	CONNER CP30360 code 934170 Y *	

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
977879 E	00	510 MB 12 ms SCSI1	CONNER CP3500 code 977880 U	
	01		CONNER CP3500 code 977880 U CONNER CP3540 code 553516 R	9/92
	02		CONNER CP3500 code 977880 U CONNER CP3540 code 553516 R CONNER CP30540 code 934065 N	4/93
978121 X *	00	525 MB 12 ms SCSI 2	SEAGATE ST1581N code 978122 Y *	
	01		SEAGATE ST1581N code 978122 Y * CONNER CP3540 code 553516 R *	8/92
934064 M	00	525 MB 10 ms 1"	CONNER CP30540 code 934065 N	
559094 U	00	525 MB 10 ms 1"	CONNER CP30540 code 934065 N SEAGATE ST3620N code 935971 Q QUANTUM EMPIRE 540S code 560448 Q	
562621 T	00	525 MB 10 ms 1"	QUANTUM EMPIRE 540 code 560448 Q	
	01		QUANTUM EMPIRE 540 code 560448 Q CONNER CP30540 code 934065 N	12/94
977144 V *	00	640 MB 18 ms	MAXTOR XT-8760SH code 977143 U *	3/90
931612 L *	00	640 MB 18 ms	MAXTOR XT-8760S code 931612 L *	7/89
589671 H *	00	1.05 GB 1"	IBM 0662 Mod. S12 code 589672 A * DIGITAL DSP3107L code 560473 H *	
	01		IBM 0662 Mod. S12 code 589672 A * SEAGATE ST31200N code 589987 P *	8/94
553517 J *	00	1.05 GB 10 ms	DIGITAL DSP3105 code 553531 Q *	
935982 C *	00	1.05 GB 1" 10 ms SCSI II	SEAGATE ST31200N code 589987 P *	
	01		SEAGATE ST31200N code 589987 P * SEAGATE ST31230N code 562630 G *	12/94
563325 T *	00	1.05 GB 1"	SEAGATE ST31230N code 562630 G *	
	01		SEAGATE ST31230N code 562630 G * IBM DPES-31080 code 564243 A *	10/95
	02		SEAGATE ST31230N code 562630 G * IBM DPES-31080 code 564243 A * SEAGATE ST51080N code 212087 R * SEAGATE ST31051N code 212098 U *	5/96
977875 S *	00	1.5 GB 13 ms	MAXTOR P1-17S code 977876 T *	5/92
935794 P *	00	2.1 GB 10 ms SCSI II	SEAGATE ST12400N code 935769 D *	
562626 Y *	00	2.1 GB 1" 10 ms SCSI II	SEAGATE ST32430N code 562627 Z * SEAGATE ST32151N code 212100 F * IBM DORS-32160 code 212094 Q *	

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
212106 Z	00	2.1 GB SCSI II 50-pin	SEAGATE ST32151N code 212100 F *	
	01		SEAGATE ST32151N code 212100 F * IBM DORS-32160 code 212094 Q *	
	02		IBM DORS-32160 code 212094 Q * IBM DCAS-32160 code 214382 X	2/97
562622 U *	00	4.2 GB 10 ms SCSI II	SEAGATE ST15230N code 562623 V *	
SINGLE-ENDED SCSI NARROW INTERFACE SCA HDU				
560476 C *	00	525 MB 10 ms SCSI SCA	SEAGATE ST3620NC code 560477 D *	
560478 N *	00	1.05 GB 1" SCSI SCA	SEAGATE ST31200NC code 560479 P *	
	01		SEAGATE ST31200NC code 560479 P * SEAGATE ST31230WC code 562631 V *	12/94
	02		SEAGATE ST31200NC code 560479 P * SEAGATE ST31230WC code 562631 V * SEAGATE ST31051WC code 212099 V *	6/96
560453 D *	00	2.1 GB 10 ms SCSI SCA	SEAGATE ST12400NC code 560454 E *	
SINGLE-ENDED SCSI WIDE INTERFACE SCA HDU				
562628 A	00	2.1 GB 10 ms 1" SCSI SCA2	SEAGATE ST32430WC code 562629 B *	
	01		SEAGATE ST32430WC code 562629 B * SEAGATE ST32151WC code 212093 P *	6/96
	02		SEAGATE ST32430WC code 562629 B * SEAGATE ST32151WC code 212093 P * IBM DCAS-32160 code 214383 Y	2/97
212079 G *		2.1 GB 1" SCSI SCA2 7200 rpm	SEAGATE ST32550WC code 212080 W *	
562624 W *	00	4.2 GB 10 ms SCSI SCA2	SEAGATE ST15230WC code 562625 X *	
SINGLE-ENDED ULTRA NARROW SCSI INTERFACE HDU				
215414 Q	00	4.2 GB 50 pin 5400 rpm	IBM DCAS-34330 code 215415 R	
SINGLE-ENDED ULTRA WIDE SCSI INTERFACE HDU				
215421 P	00	2.1 GB 68-pin 5400 rpm	IBM DCAS-32160 code 215422 Q	
215423 R	00	4.2 GB 68-pin 5400 rpm	IBM DCAS-34330 code 215424 J	
SINGLE-ENDED ULTRA WIDE SCSI INTERFACE HDU				
212519 W	00	2.1 GB SCSI SCA 7200 rpm	SEAGATE ST32171WC code 212520 T	
214384 Z	00	4.2 GB SCSI SCA 5400 rpm	IBM DCAS-34330 code 214385 S	

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
214362 A	00	4.2 GB SCSI SCA 7200 rpm	SEAGATE ST34371WC code 214363 B	
214364 C	00	9.1 GB SCSI SCA 7200 rpm	SEAGATE ST19171WC code 214365 D	
			AT CD-ROM	
951392 U *	00		SONY CDU-510 code 951391 T *	
977862 V *	00		SONY CDU-531 code 977861 U *	2/91
559067 G *	00		SONY CDU31A code 559066 F *	
559091 Z *	00		SONY CDU33A code 559092 S *	2/94
562633 X *	00	CD-ROM IDE 2X CN03 colored	GOLDSTAR GCD-R520 code 562633 X *	
562632 W *	00	CD-ROM IDE 2X, CN200 front panel	SONY CDU56D-51 code 562632 W *	
564245 C *	00	CD-ROM IDE 2X, CN03 front panel	SONY CDU50E code 564246 D *	
564251 A *	00	CD-ROM IDE 2X, CN200 front panel	SONY CDU50E code 564252 B *	
564247 E *	00	CD-ROM IDE 4X	SONY CDU76E code 564248 P *	
	01	CN03 colored (modulo/ suprema line)	SONY CDU76E code 564248 P * PANASONIC CR-581 code 564258 R * GOLDSTAR GCD-R540 B code 564265 G *	11/95
	02		SONY CDU76E code 564248 P * PANASONIC CR-581 code 564258 R *	12/95
	03		SONY CDU76E code 564248 P * PANASONIC CR-581 code 564258 R * SONY CDU77E code 564192 Q *	5/96
564188 U *	00	CD-ROM IDE 4X (PCS line)	SONY CDU76E code 564248 P * PANASONIC CR-581 code 564258 R * GOLDSTAR GCD-R540 B/C code 564565 G *	12/95
	01		SONY CDU76E code 564248 P * PANASONIC CR-581 code 564258 R * GOLDSTAR GCD-R540 B/C code 564565 G * SONY CDU77E code 564192 Q *	5/96
564253 C *	00	CD-ROM IDE 4X	SONY CDU76E code 564254 D *	
	01	(Envision line)	SONY CDU76E code 564254 D * GOLDSTAR GCD-R540 C code 564189 V * GOLDSTAR GCD-R540 B code 564260 P * MITSUMI FX400D code 564259 J * PANASONIC CR-581 code 564257 G *	12/95
564194 J *	00	CD-ROM IDE 6X	MITSUMI FX600S code 564195 K * GOLDSTAR GCD-R560B code 564196 L *	

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
564197 M	00 01	CD-ROM IDE 8X (PCS / modulo line)	GOLDSTAR GCD-R580B code 564198 W * GOLDSTAR GCD-R580B code 564198 W * SONY CDU311-51 code 564209 R	 10/96
212536 P	00 01	CD-ROM IDE 8X (professional line)	GOLDSTAR GCD-R580B code 564198 W * GOLDSTAR GCD-R580B code 564198 W * SONY CDU311-51 code 564209 R	 10/96
212545 Y	00 01	CD-ROM IDE 8X (professional line)	GOLDSTAR GRD-8160B code 212546 Z GOLDSTAR GRD-8160B code 212546 Z SONY CDU511 code 212547 S	 10/96
SCSI CD-ROM				
935758 A *	00	CD-ROM SCSI 2X	SONY CDU561 code 935758 A *	
560430 A *	00	CD-ROM SCSI 2X CN03 colored	PANASONIC CR503-B code560430 A *	
564249 Q *	00 01	CD-ROM SCSI 4X CN03 colored	SONY CDU76S code 564250 M * PANASONIC CR-504-J code 564263 E *	 5/96
564204 C	00	CD-ROM SCSI 4X	PANASONIC CR-506-B code 564205 D	 5/96
STU WITH FLOPPY INTERFACE				
977858 H *	00 01	80/120 MB 3.5" CN03 colored 1 Mbit trans. rate	IRWIN 287 code 977857 Y * IRWIN 31250A code 553537 N *	 1/93
563331 Z *	00	208 MB CN03 colored	CONNER CTM420 code 583332 S *	
SCSI STU				
952153 V *	00 01	150 MB 5.25" CN03 colored	WANGTEK 5150ES-ACA rev B code 952152 U * WANGTEK 5150ES-ACA rev. E code 978113 X *	 5/92
977146 X *	00	320 MB 5.25" CN03 colored	WANGTEK 5525ES-ACA code 978123 Z *	
561353 D *	00	320 MB 5.25" CN03 colored (LSX only)	CONNER ARCHIVE 2525S code 935770 A *	
563327 V *	00 01	1 GB 5.25" CN03 colored std. front panel	WANGTEK 51000HT code 563328 E * WANGTEK 51000HT code 563328 E * TANDBERG TDC4120 code 564216 X *	 2/96
DVT				
977860 F *	00	2.3 GB	EXABYTE 8200 code 977859 A*	
DAT				
978131 Z *	00	1.3/2 GB DDS1	HEWLETT PACKARD 35470 code 978132 S *	

GROUPING CODE	LEV	TYPE	PERIPHERALS	DATE
978136 W *	00	1.3/2 GB DDS1 compressed	HEWLETT PACKARD 35480 code 978137 X *	
	01		HEWLETT PACKARD 35480 code 978137 X * HEWLETT PACKARD C1536A code 564262 D *	
564264 F *	00	1.3/2 GB DDS1 compressed low cost	HEWLETT PACKARD C1536A code 564262 D *	
564255 E	00	2/4 GB DDS2 compressed	HEWLETT PACKARD C1533A code 564256 F * (mechanical kit code 560189 D)	
	01		HEWLETT PACKARD C1533A code 564256 F * (mechanical kit code 560189 D) SONY SDT-7000 code 212544 X (mechanical kit code 978993 S)	2/97

Notes: - ** = Obsolete codes (non longer provided by the supplier, or no longer purchased by Olivetti); these codes are still available as spares.*
- *Obsolete codes are updates as of February, 1997.*
- *Only the last level of the codes currently in use is provided.*

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