

PROCESSOR TECHNOLOGY CORPORATION

Sol PERSONALITY MODULE

SECTION IV

4.1 PARTS AND COMPONENTS

When ordering your Sol, you selected one of the three types of Personality Modules: CONSOL, SOLOS, or SOLED. The outer carton for your kit is stamped with the Personality Module type. All three use the same PC board, marked 5204, and differ only in the number of EPROM's and their programming. An alternative PC board marked 6834 and designed for type 6834 EPROM's is also available, but not supplied with this kit. Schematic diagram X-5 and assembly drawing X-21 refer to this alternative board. Check all parts against Table 4-1 below. If you have difficulty identifying any parts, refer to Figure 3-1 on page III-5.

Table 4-1. PM5204 Personality Module Parts List.

1	PM5204 PC Board	2	1-ufd Capacitor, Tantalum Dipped
2 or 4	5204A or 5204Q EPROM	4	24-pin DIP Socket
1	74LS155	1	16-pin DIP Socket
9	10K ohm, 1/4 watt, 5% Resistor	1	Handle Bracket (Sol-1045)
1	.047-ufd Capacitor, Disc Ceramic	2	2-56X1/8 Binder Head Screw

4.2 ASSEMBLY TIPS

For the most part the assembly tips given in Paragraph 3.2 of Section III (Page III-1) apply to assembling the personality module.

4.3 ASSEMBLY PRECAUTIONS

For the most part the assembly precautions given in Paragraph 3.3 in Section III (Page III-6) apply to assembling the personality module.

4.4 REQUIRED TOOLS, EQUIPMENT AND MATERIALS

The following tools, equipment and materials are recommended for assembling the personality module:

1. Needle nose pliers
2. Diagonal cutters
3. Screwdriver
4. Controlled heat soldering iron, 25 watt
5. 60-40 rosin-core solder (supplied)
6. Small amount of #24 solid wire

4.5 ORIENTATION

Resistor location R7 will be located in the lower righthand corner of the board when the edge connector is positioned at the