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PROCESSOR TECHNOLOGY CORPORATION

Sol PERSONALITY MODULE

SECTION IV

left end of the board. In this position the component (front) side of the board is facing up. Subsequent position references related to the personality module circuit board assume this orientation.

4.6 ASSEMBLY-TEST

4.6.1 Circuit Board Check

- ( ) Visually check circuit board for broken traces, shorts (solder bridges) between traces and similar defects.
- ( ) Check circuit board to insure that the +5-volt bus, +12-volt bus and -12-volt bus are not shorted to each other or to ground. Using an ohmmeter, make the following measurements (refer to personality module assembly drawing in Section X):
  - ( ) +5 volt Bus Test. On U1, measure between pin 24, (ground) and pins 1, then 12 (+5 volts). There should be no continuity.
  - ( ) -12 volt Bus Test. Also on U1, measure between pin 24 (ground) and pin 23 (-12 volts). There should be no continuity.
  - ( ) +12 volt Bus Test. Also on U1, measure between pin 24 (ground) and the bottom edge connector pin on the component side of the board (nearest the "+" side of C1).
  - ( ) Inter-bus Test. On U1, measure between pins 1 and 23, then between the edge connector pin in the previous test and pins 23, then 1. There should be no continuity in any of these measurements.

If visual inspection reveals any defect, or you measure continuity in any of the preceding tests, return the board to Processor Technology for replacement. If the board is not defective, proceed to next paragraph.

4.6.2 Assembly-Test Procedure

Refer to personality module assembly drawing X-4.

CAUTION

THE MEMORY IC's USED ON THE PERSONALITY MODULE ARE MOS DEVICES. THEY CAN BE  
(CAUTION continued on Page IV-3)