3.3.6 Use of Clip Leads

TAKE CARE when using a clip lead to establish a ground connection when testing the Sol-PCB circuit board. Make sure that the clip makes contact only with the ground bus on the perimeter of the board.

3.4 REQUIRED TOOLS, EQUIPMENT AND MATERIALS

The following tools, equipment and materials are recommended for assembling and testing the Sol-PC:

1. Needle nose pliers
2. Diagonal cutters
3. Screwdriver
4. Sharp knife
5. Controlled heat soldering iron, 25 watt
6. 60-40 rosin-core solder (supplied)
7. Small amount of #24 solid wire
8. Volt-ohm meter
9. Video monitor or monochrome TV converted for video input.
10. IC test clip (optional)
11. Oscilloscope (optional)

3.5 ORIENTATION (Sol-PCB)

Location J5 (personality plug-in module connector) will be located in the upper right-hand area of the circuit board when location J10 (power connector) is positioned at the bottom of the board. In this position the component (front) side of the board is facing up and all IC legends (U1 through U10, U22 through U24, etc.) will read from left to right. Subsequent position references related to the Sol-PCB assume this orientation.

3.6 Sol-PC ASSEMBLY-TEST PROCEDURE

The Sol-PC is assembled and tested in sections and/or circuits. You will first test the Sol-PCB circuit board for shorts (solder bridges) between the power buses and ground. After assembling