

APPLICATION NOTE

Changing the Handler Power Supply Package

Purpose

All ITC55x00 testers are shipped with a small 1-Watt isolated Power Supply, which is dedicated to the handler interface. This handler power supply can be Enabled or Disabled as needed, using the ITC55x00's Test Mode menu.

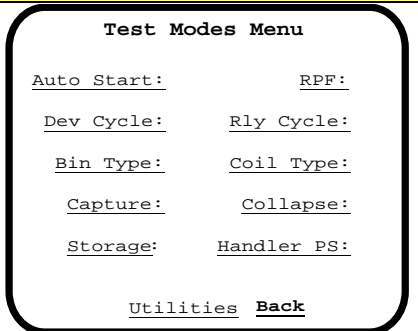
Changing The Handler's Power Supply

The output of the handler power supply, as shipped, is 15V +/-2V. However, this voltage can be changed by simply unplugging the original power supply package and installing a different voltage package.

To change the handler's internal power supply voltage, turn OFF the AC Power to the ITC55x00 tester and remove its top cover. Locate PS3 on the left side of the Main Control PCB assembly. Carefully remove the SIP DC Power Supply package and install the new package with Pin #1 in the correct orientation. (Refer to the following pictures.)

NOTE: Note where Pin #1 is, indicated by the "dot".

There is another row of pins next to the handler power supply where a 2nd handler power supply package could be inserted. This is provided in case the 1-watt power rating is insufficient and another power supply, of the **SAME VOLTAGE**, can be paralleled with the first handler power supply.

Enabling The Handler Power Supply Source	
<ol style="list-style-type: none"> 1. Touch <u>Test Modes</u> on the ITC55X00 Start Up Screen to display the Test Modes screen. 2. Touch <u>Handler PS</u> and toggle between Enable or Disable. NOTE: If Enabled, the tester's handler interface circuitry is powered by the tester's internal power supply. If Disabled, the handler interface circuitry is power by the handler's power supply. 3. Touch <u>Back</u> to return to the tester's Start-Up screen. 	 <p>The screenshot shows a rounded rectangular menu titled "Test Modes Menu". It contains several options arranged in two columns: "Auto Start:", "RPF:", "Dev Cycle:", "Rly Cycle:", "Bin Type:", "Coil Type:", "Capture:", "Collapse:", "Storage:", and "Handler PS:". At the bottom, there are two more options: "Utilities" and "Back".</p>

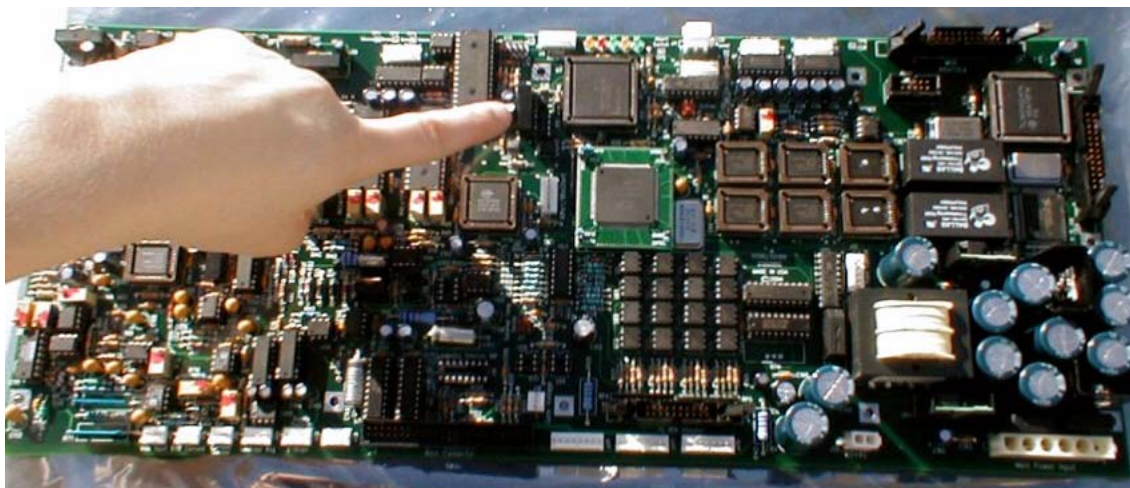


Figure 1: Handler Power Supply PS3 Board Location



Figure 2: Handler Power Supply PS3 Board Location - Enlarged