



## IPC-TM-650 TEST METHODS MANUAL

**1.0 Scope** To determine if the plated through-holes are sufficiently plated to withstand a relatively high current potential.

**2.0 Applicable Documents** None

**3.0 Test Specimen** Any plated through-holes on a test coupon or finished printed wiring boards.

**4.0 Apparatus** Power supply capable of generating 10 amps and having a suitable load resistor.

### 5.0 Procedure

**5.1 Test** Select a load resistor, such that when the resistor shunts the positive and ground terminals at a regulated

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amperes power supply, a current of 10 amps will flow through each plated through-hole in the circuit in series with the resistor, for 30 seconds.

**5.2 Evaluation** Examine for breakdown (opens) when the current is applied to each plated through-hole.

**6.0 Notes** The power supply unit should have a safety interlock mechanism because of the relatively high current required for this test.