1.0 Scope  This test method is to detect internal electrical short circuits within multilayer printed wiring boards.

2.0 Applicable Documents  None

3.0 Test Specimen  Test coupon “B” on test pattern described in section 5.8.4 of this publication, or any production boards.

4.1 Power Supply  Power supply capable of providing 100 volts DC.

4.2 Meter  Electrical ohmmeter capable of measuring resistances between conductors.

5.0 Procedure

5.1 Test

5.1.1  Perform test at ambient temperature.

5.1.2  Apply a polarized voltage of 100 volts DC between a plated through hole connected to a ground plane and an interconnection of hole not connected to this plane

5.1.3  Measure the resistance between these points and record findings.