



# IPC-TM-650

## TEST METHODS MANUAL

**1 Scope** This test method uses pressure sensitive tape to determine the adhesion quality of platings, marking inks or paints, and other materials used in conjunction with Printed Boards.

### 2 Applicable Documents

**Commercial Item Description (CID) A-A-113** Tape, Pressure Sensitive, Adhesive.

**3 Test Specimens** Any preproduction, first article, or production printed board. A minimum of three tests should be performed for each evaluation.

### 4 Apparatus or Material

**4.1 Tape** A roll of pressure sensitive tape 3M Brand 600 1/2 inch wide or a tape as described in (CID AA-113), Type 1, Class B, except that the tape may be clear. The shelf life of the tape is one year.

### 5 Procedure

**5.1 Test** Press a strip of pressure sensitive tape, 50 mm [2.0 in] minimum in length, firmly across the surface of the test

Number <b>2.4.1</b>	
Subject <b>Adhesion, Tape Testing</b>	
Date <b>05/04</b>	Revision <b>E</b>
Originating Task Group <b>Rigid Printed Board Performance Task Group (D-33a)</b>	

area removing all air entrapment. The time between application and removal of tape shall be less than one minute. Remove the tape by a rapid pull force applied approximately perpendicular (right angle) to the test area. An unused strip of tape must be used for each test.

**5.2 Evaluation** Visually examine tape and test area for evidence of any portion of the material tested having been removed from the specimen.

**5.3 Report** The report should note any evidence of material removed by this test.

### 6 Notes

**6.1** If plating overhang breaks off (slivers) and adheres to the tape, it is evidence of overhang but not an adhesion failure.

**6.2** If foreign material (oil, grease, etc.) is present on the test surface the results may be affected.

**6.3** Certification of 3M Brand 600 1/2 inch tape to CID-A-A-113 is not required. The 3M Brand 600 1/2 inch tape is available through most office supply stores.