



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

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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.