



IPC-TM-650 TEST METHODS MANUAL

1.0 Scope To measure the inside diameter of drilled through-holes in printed wiring boards, either in process or end product.

2.0 Applicable Documents

IPC-D-300 Dimensions and Tolerances, Printed Wiring Boards, Single and Two-Sided Rigid Boards.

IPC-A-600 Acceptability of Printed Wiring Boards.

3.0 Test Specimen Sample board or production printed wiring board; in either case, the specimen shall have identical drilling or punching characteristics without through-hole punching.

Number 2.2.6	
Subject Hole Size Measurement, Drilled	
Date 8/97	Revision A
Originating Task Group N/A	

4.0 Apparatus Stereoscopic Microscope with 10x magnification, micrometer scale eye piece, and illuminator or equal.

5.0 Procedure

5.1 Measurement Set the microscope on 10x magnification and measure the inside diameter of the hole from one side of the hole to the other side at the widest part of the hole.

5.2 Evaluation of Test Record measurements of drilling and punching characteristics.