1.0 Scope  This method is designed to evaluate the resistance of solder mask or conformally coated surfaces to rubbing abrasion.

2.0 Applicable Documents  None

3.0 Test Specimen  An IPC Multipurpose Test Board, Number IPC-B-25 or any preproduction or production board 10.8 cm x 10.8 cm [4 1/4 in. x 4 1/4 in.] in size and coated with solder mask or conformal coating.

4.0 Apparatus

4.1 Taber Abraser Model 5130

4.2 1000 gram load for each wheel

4.3 CS-10 Calibrase wheels

5.0 Procedure

5.1 Preparation

5.1.1 Drill or punch hole in middle of specimen for mounting specimen on Taber Abraser.

5.1.2 Mount calibrase wheels and pressure load (1000 grams) on equipment.

5.1.3 Clean calibrase wheels (CS-10) according to recommended procedures in Taber Abraser Manual.

5.2 Test  Place sample on abraser and test specimen to the required number of cycles of abrasion.

5.3 Evaluation  Examine the coated board for breakthrough to the conductive pattern or base material.

6.0 Notes  Taber Abraser Model 5130, available from Teledyne Taber, 455 Bryant St., N. Tonawanda, NY 14120 or Pacific Scientific, Gardner Neotech Division, 2431 Linden Lane, Silver Springs, MD 20910 or equivalent.