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Independent Materials Testing for Electronics – Laminates – Composites.

**MIL-PRF-31032/1B (Latest Revision); PERIODIC INSPECTION
 TEST REQUEST FORM**

COMPANY NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

SHIP TEST REPORT(s) TO THE ATTENTION OF: _____ VIA: _____

PHONE NUMBER: _____ EXTENSION: _____

PURCHASE ORDER NUMBER (Required): _____

P.O. AUTHORIZATION SIGNATURE: _____ **DATE:** _____

FSCM/CAGE CODE: _____ DATE CODE: _____

THESE SPECIMENS REPRESENT THE PRODUCTION MONTH OF: _____ YEAR: _____

IDENTIFICATION: _____ NUMBER OF LAYERS: _____

SERIAL NUMBERS: _____ LOT NUMBER: _____

BOARD TYPE (circle one): 1 2 3 MATERIAL TYPE (IPC-4101 Slash Sheet): IPC-4101: / _____

NOTE: Master Drawing must be submitted with test samples or the testing can not be completed.

INDICATED TYPE OF TESTING TO BE PERFORMED BELOW:

Test to MIL-PRF-31032/1B (Latest Revision); Periodic Conformance Inspection

- Elongation/Tensile Strength** - Submit 2 copper foil sheets, plated approximately 2-4 mils thick with the “UP” direction of the tank identified
- Rework Simulation** - Submit 2 Test Coupons representing the typical component holes or actual production sample.
- Moisture and Insulation Resistance** - Submit 2 “E” Test Coupons (“Y” Pattern)
- Thermal Shock** - Submit 2 “D” Test Coupons (Daisy-Chain)

Perform **Surface Peel Strength** test per MIL-PRF-31032/1B [Type 3, Foil Lamination Only]
Submit 8 Peel Strength Specimens from a minimum of 2 different production lots.
 All tin/lead or solder coating shall be removed from specimens. [See, para 4.7.4.7]

Lot #1: Identification: _____ S/N's: _____

Lot #2: Identification: _____ S/N's: _____

Lot #3: Identification: _____ S/N's: _____

SPECIAL INSTRUCTIONS: _____

Test samples will be returned with the test report.