



# Test Request Form: MIL-PRF-31032 PCI

Company: NTS Facility Preference: Anaheim, CA Baltimore, MD  
 Address: NTS Quotation Number:  
 City: State: Postal Code: Purchase Order: Date:  
 Country: PO Authorized Signature:

Contact: Phone: Email:

Part Number:	Production Month & Year:	Date Code:
Serial Numbers:	Lot Number:	

Please indicate the specification sheet samples will be tested to: (defaulted to latest revision/amendment unless otherwise specified)

MIL-PRF-31032/ Revision Amendment Samples submitted for testing will be tested to the latest Revision/Amendment.  
 Submission is for DLA monthly/annual retention -or- Submission is for customer retainment only **ITAR Requirement:** Yes No  
 Material Type: IPC-4101 / IPC-4204 / Board Type: Total Layers:

**NOTE: Master Drawing must be submitted for all Group B submissions. Evaluations will not be completed until a drawing is supplied.**

### Periodic Conformance Inspection

Periodic Conformance Inspection baseline test coverage (\*required tests) PCI Quantity:

**Rework Simulation\***  
 Submit (2) type 'A' coupons representing the typical component hole or actual production sample.

**Moisture and Insulation Resistance\* & Dielectric Withstanding Voltage**  
 Submit (2) type 'E' coupons ("Y" conductor pattern)

**Resistance to Solvents (optional)**  
 Test not required per MIL-PRF-31032. Submit (3) production boards or coupon strips with ink or paint markings.

**Surface Peel Strength (optional)** Surface Peel Quantity:

Submit a total of (8) type 'N' or 'P' coupons from a minimum of (2) different production lots (four each from two lots).  
 COPPER SAMPLES ONLY. All surface finish plating or coatings should be chemically removed from specimens prior to test.  
 [Type 3, foil lamination only]

Lot #1 ID: Lot #1 s/n(s):  
 Lot #2 ID: Lot #2 s/n(s):  
 Lot #3 ID: Lot #3 s/n(s):  
 Lot #4 ID: Lot #4 s/n(s):

**Copper Tensile Strength/Elongation** Tensile Quantity:

Submit (1) sheet of copper per tank. Minimum size of 12" x 12", plated 2-4 mils thick with the tank and vertical direction identified.

Tank ID(s): Production Month & Year:

**Copper Purity(optional)** Purity Quantity:  
 Test not required per MIL-PRF-31032. Samples will be taken from the same sheet of copper for tensile/elongation.

**Flexural Fatigue/Ductility (optional)** Flexural Quantity:  
 Test not required per MIL-PRF-31032. Samples will be taken from the same sheet of copper for tensile/elongation.

Special Test Instructions/Comments:

Final Test Report:

All final test reports are uploaded to [NTS LabInsight](#) for secure customer retrieval. A hard-copy version may be requested at an additional fee.

Hard Copy of Final Test Report Requested

**\*FORM MUST BE SUBMITTED WITH SAMPLES ALONG WITH A HARD COPY OF THE PURCHASE ORDER\***