



CAPABILITY SUMMARY

FLEXIBLE AND RIGID-FLEX PRINTED WIRING PRODUCTS AND ASSEMBLIES

TECHNICAL BULLETIN | PAGE 1 OF 2 | NOVEMBER 2016

FABRICATION CAPABILITY

Quality Approvals: AS9100C, ISO 9001:2008, NADCAP, AC7119 (Certifications Attached)

Specifications Supported: IPC-6013, IPC-6012, MIL-PRF-50884, MIL-PRF-31032, MIL-PRF-55110

Primary Materials Supported:

- Flexible laminates per IPC-4204/1,/11 & some specialty materials
 - Flexible cover, bond ply, adhesive materials per IPC-4203 & other specialty materials
 - Polyimide Rigid Laminates and Pre-preg per IPC-4101/41, /42
 - Epoxy Rigid laminates and pre-preg per IPC-4101/24, /26, /126
 - Controlled CTE laminates and pre-preg per IPC- 4101/55, /53 (Non-woven aramid -formerly Thermount®)
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- Maximum part size: up to 22" X 34" (pth "anywhere"); other panel sizes up to 24" X 80" *
 - Maximum Layers: >40(+)
"Book-Binder" – Staggered Flex Length Rigid-flex supported
 - Maximum Number of Sequential Laminations: 4
HDI Surface Microvias and Buried internal vias: Yes
 - HDI Hole Fill / Cap Plate (Conductive & Nonconductive hole fill materials supported)
 - Surface Finishes: HASL (SnPb) and plated / fused SnPb, ENIG, ENEPIG, Im Ag, Electrolytic Ni/Au
Custom Shielding Options: Silver Epoxy, Thin Film/ E-Beam: Ti-Ni-Au, Conductive Kapton®
 - Electrical Test: Flying probe or fixture (Continuity / Isolation)
 - Kelvin Testing / High Voltage Isolation upon request
 - Process Exceptions: Copper plated shut microvias / Stacked microvias

ASSEMBLY CAPABILITIES

Specifications Supported: J-STD-001 (Class 3 & Space), NASA 8739, IPC-A-610, ESD, FOD & Counterfeit Prevention

- SMD Pick & Place / Reflow: Device Size 0201 and >
Wave Solder: Double Wave- Up to 24" palate width – length 36"(+)
Multiple In-House Solder / Assembly Trainers (J-STD, NASA, Etc.)
- Conformal Coat Material: Urethane, Acrylic, Epoxy (Brush / Spray Application)
- Potting materials: Customer Defined
- Electrical Test: Mating Connector Harness or Customer Supplied Functional Test Set
 - Kelvin / High Voltage Isolation upon request

CUSTOMER SUPPORT SERVICES

- Non-Functional Mock-ups provided at no charge – *
- Best Practice Technical Training (Rigid Flex Product focus) offered at your site- *
- DFM/ DRC Producibility Design Review – as requested *

*** PLEASE CONTACT THE UNDERSIGNED FOR ADDITIONAL INFORMATION**



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