



Capabilities

Product Types:

Single-Sided
Double-Sided
Double-Sided PTH
Multi-layer
Flexible
Rigid-Flex
Metal Core
Metal Backed
Very Large Format PCB's

Mechanical:

Standard Panel Size: 12" X 18" & 18" X 24"
Large Format Panel Size: 24" X 102"
Minimum Line & Space: .004/.004
Pattern Etching Tolerance: +/- .001
Minimum Hole Diameter: .008
Plated Hole Size Tolerance: +/- .003
NPTH Size Tolerance: +/- .002
Plating Aspect Ratio: 10:1
Positional Accuracy: +/- .003
Minimum Core Thickness: .001
Maximum Board Thickness: .350
Thickness Tolerance: +/- 10%
Soldermask Registration Tolerance: +/- .003
Minimum Soldermask Clearance: .003
Legend Registration: +/- .003
Minimum Legend Feature: .004
Routing Tolerance: +/- .005
Minimum Radius: .006

Coatings:

LPI Soldermask, Green, Blue, Black, White & Red
Thermal & LPI Legend, White, Black & Yellow
UV Cured Soldermasks
Humiseal Coating

Special Processes:

Large format PCB's
Vast Teflon processing Experience
Composite Multilayers utilizing Exotic materials
Blind & Buried Vias
OmegaPly & Ticer Buried Resistor Technology
Via Fill & Via-in-Pad Technology
Precision Back Drilling
Exposed Internal Cavity RF Launch Sites
Castellated Vias
Complex Sub-Assembly Hand Soldering
Sequential Lamination

Finishes:

Electroless Nickel Immersion Gold (ENIG)
Immersion Silver
Immersion Tin
Electrolytic Bright Tin
Electrolytic Matte Tin
Electrolytic Hard Gold
Electrolytic Soft Gold
Hot-Air-Solder Levelled (HASL)

Materials:

High Performance Flex Materials From *DuPont*
High Performance Laminates From *Taconic*,
Rogers, *Nelco*, *Isola* & *Arlon*