



ADVANCED CIRCUITRY INTERNATIONAL

“Specializing in RF/Microwave & Antenna PCBs”

CAPABILITIES

-PRODUCT TYPES

-SPECIAL PROCESSES

-COATINGS

-MATERIALS

-FINISHES

-MECHANICAL

Proudly serving major companies in :

- Aerospace
- Defense
- Telecom
- Medical Device

CONTACT:

Bryan Ricke

Director of Sales and Business Development
Advanced Circuitry International
 3464 Howell Street
 Duluth, GA 30096
 O: 770-622-2200 Ext. 1848
 C: 678-361-3278
www.aciatlanta.com

PRODUCT TYPES

- S/S
- D/S NPTH
- D/S PTH
- Multilayer
- Large Format

COATINGS

- LPI Soldermask
- Thermal & LPI Legend
- UV Cured Soldermasks
- Humiseal Coatings

HIGH PERFORMANCE MATERIALS

- Rogers
- Taconic
- Isola
- Arlon
- Nelco
- Shengyi
- DuPont

SPECIAL PROCESSES

- Large Format PCB's
- Vast Teflon™ Processing Experience
- Composite Multilayers Utilizing Exotic Materials
- Sequential Lamination
- Blind & Buried Vias
- OhmegaPly™ & Ticer™ Resistor Technology
- Via Fill & Via-In-Pad Technology
- Precision Back Drilling
- Exposed Internal Cavity RF Launch Sites
- Castellated Vias
- Complex Sub-Assembly Hand Soldering
- Robotic Soldering

FINISHES

- Electroless Nickel Immersion Gold
- Immersion Silver
- Immersion Tin
- Electrolytic Bright Tin
- Electrolytic Matte Tin
- Electrolytic Hard Gold
- Electrolytic Soft Gold
- HASL

MECHANICAL

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

