

HIGH SPEED MATERIALS

MICROWAVE • RF • HIGH SPEED DIGITAL

Compunetics uses a variety of advanced dielectric-high speed materials, matched with the experience and skill to determine which materials are best suited to each particular application.

compunetics
excellence, measured in microns.

HIGH SPEED MATERIALS

A full range of dielectric high speed materials to suit any application.

Compunetics has a reputation for excellence in precision imaging, tight etch tolerances and laser cutting.

Because our products operate reliably and exactly as expected, Compunetics is the vendor of choice for clients with demanding applications including:

- Satellite communications
- Radar
- Wireless communications
- High speed networking

Currently, Compunetics uses:

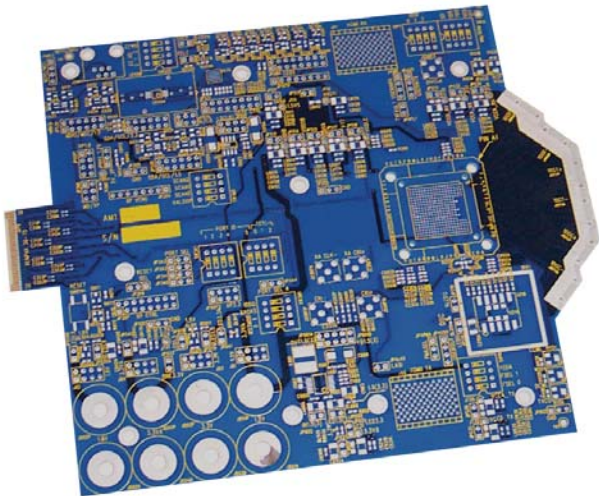
- Rogers 3000, 4000, 5000 and 6000 Series
- Arlon CLTE
- Taconic
- Nelco Si Series
- W.L. Gore Speedboard "C" Series
- GETEK
- BiAc Liquid Crystal Flex

HIGH SPEED ETHERNET

Designed for high speed networking (10 Gig Ethernet Card).

Specifications

Layers: 8
Material: Rogers 4003/FR4 Mix
Finish: Blind Vias 1-4 for Stub Length Control
Via-In-Pad using Conductive Epoxy
2 Level "Cavity" near Gold Fingers
Differential Controlled Impedance
Immersion White Tin Finish



CALIBRATION NETWORK

Designed for high speed military radar.

Specifications

Layers: 4
Material: Rogers 6002, 4350, 4403
Drilling: Blind 1-to-2; 4-to-3; 1-to-3; Buried 2-to-3
Cavity: 4-to-3
Trace Width
Tolerance: +/- 0.0003"
Surface Finish: Electrolytic Nickel and Soft Gold



Magnified Reverse Side

RF INTERFACE

Designed for wireless communications.

Specifications

Layers: 2
Material: Rogers 3003
Trace Width
Tolerance: +/- 0.0003"
Precision laser routed slots
Finish: Electrolytic Nickel and Gold

