Quadrax High Speed Contacts for Board Level Interconnects

HIGH SPEED QUADRAX, COMPLIANT PIN TERMINATION

Quadrax Contacts for Board Level Connectors
Amphenol supplies size 8 compliant pin Quadrax PCB contacts which provide several advantages for high data transfer rates, low power consumption and excellent EMI compatibility.
- Four strategically spaced inner contacts form two 100 or 150 Ohm matched impedance differential pairs
- Outer contact has rugged wall section for durability
- Same as used in cylindrical 38999 connectors - See Amphenol Combined Circular Connector catalog/PCB contact section for more information on quadrax contacts and cables.

Quadrax Contacts are gold plated, crimp termination
Finish of mating contacts parts: supplied with 0.000050 min. gold over nickel on mating parts. Consult Amphenol for availability of other finishes.

Quadrax Size 8 Contact Performance:
- Bandwidth: Up to 3 Gigahertz
- Data Rate: Exceeding 3 Gbits/sec.
- Voltage Rating: 500 Vrms max. @ sea level
- Dielectric Withstanding Voltage:
  1000 VAC rms between all inner contacts @ sea level
  500 VAC rms between inner and outer contacts @ sea level

Compliant Pin Quadrax size 8 contacts are available with hole diameters:
- .025 ± .002 PTH Quadrax contact
- .040 ± .003 PTH shell grounding
Accomodates backplane .125 inch min. thickness
(Consult Amphenol Aerospace for availability of additional connector configurations.)

Contact Amphenol Aerospace for more information at 800-678-0141 • www.amphenol-aerospace.com