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NEW "Split-Pair" Quadrax Contacts & Cable Assemblies for MIL-DTL-38999, Series III Circular

Amphenol Aerospace offers the high performance interconnect solution for CAT6A type cable.

APPLICATIONS:

- 10/100/1000/10GBASE-T Ethernet
- DVI
- USB 2.0
- Serial Rapid IO (up to 3.125 Gbps)
- PCI-Express 2.0
- HDMI 1.3a
- SATA 2.0 (up to 3 GHz)

See pages 227, 228 for more information



MIL-DTL-38999 Series III Connectors with "Split-Pair" Quadrax Contacts for use with CAT6A Type Cable

New/Featured

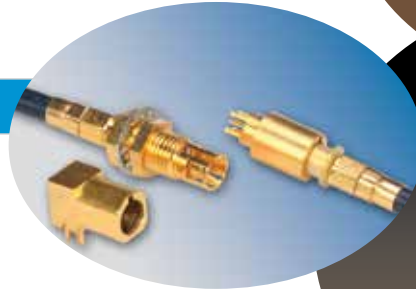
Micro D-Twinax Transition Adapters

Amphenol now offers differential twinax transition adapters in smaller sizes that provide matched impedance interconnection to PCB boards.

STYLES INCLUDE:

- Plug- standard length and extended length options
- Straight PCB receptacle, 90° PCB receptacle
- Two jam nut receptacle styles -both with standard length and extended length options
- Bushing assemble 90° adapter (used with plug or jam nut receptacle)

See pages 238-240 for more information



Differential Twinax and Quadrax contacts provide high data transfer rates, low power consumption, and excellent EMI capability. They offer controlled impedance of 100 or 150 Ohm and are ideal for use in harsh environments.

DIFFERENTIAL TWINAX CONTACTS

High speed Differential Twinax contacts consist of an outer contact with two inner contacts spaced to form one 100 or 150 Ohm controlled impedance differential pair. See pages 231, 232 for performance data and ordering of Differential Twinax contacts, and consult Amphenol Aerospace for more information.



Differential Twinax Contact

QUADRAX CONTACTS

- High speed Quadrax contacts consist of an outer contact with four inner contacts spaced to form two 100 or 150 Ohm controlled impedance differential pair.
- Both contacts, when used in Amphenol MIL-DTL-38999 Series III and ARINC type connectors, provide an excellent alternative for harsh environment applications such as:
 - Ethernet 100 Base-T-100 Ohm
 - Gigabit Ethernet 1000 Base-T-100 Ohm
 - Fibre Channel-150 Ohm
 - IEEE1394B FireWire-110 Ohm



Quadrax Contact

Differential Twinax and Quadrax contact options include:

- Crimp or printed circuit board termination
- Established designs to accommodate a variety of cable types and gages
- Ground plane connectors can incorporate quadrax contacts. These connections have conductive inserts that ground the outer conductor of the contact body to the shell of the connector. They accommodate size 8 and 12 shielded contacts of which the size 8 can be quadrax type.

See pages 224-226 for performance data of Quadrax contacts. Consult Amphenol Aerospace for further information needed.

* Requires modified connector to accommodate keyed contacts.



D38999 Series III Ground Plane Connectors with Quadrax PCB Socket contacts



D38999 Series III with Quadrax and Power Contacts



D38999 Series III Connectors (standoff shell and right and standard shell below) with Quadrax PC Tail Contacts

- HIGH SPEED
- Fiber Optics
- Contacts Connectors Cables

- EMI Filter Transient

- 26482 Matrix 2

- 83723 III Matrix | Pyle

- 26500 Pyle

- 5015 Crimp Rear Release Matrix

- 22992 Class I

- Back-Shells

- Options Others