

SPLIT PAIR QUADRAX CONTACTS

MIL-DTL-38999 SERIES III / EN3645 / EN4165

FEATURES AND BENEFITS

- Overall higher bandwidth than standard CAT5E quadrax
- Enhanced crosstalk performance (compared to standard quadrax) due to compatibility with shielded twisted pair of cables
- Can be used for a variety of high speed applications beyond current quadrax design**
- Four strategically spaced inner contacts form two 100 Ohm matched impedance differential pairs
- Outer contact has rugged wall section for durability
- Available in size 8 crimp termination style
- Also available in size 8 PC tails
- Can be installed into existing quadrax contact connector cavities
- Requires modification of MIL-DTL-38999 connector to accommodate keyed contacts

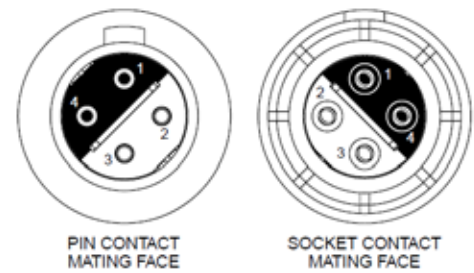


APPLICATION

For use with, but not limited to, the following electrical protocols :

- 10/100/1000/10GBASE-T Ethernet
- DVI
- USB 2.0, 3.0
- Serial Rapid IO (up to 3.125 Gbps)
- PCI-Express 2.0
- HDMI 1.3a
- SATA 2.0 (up to 3 GHz)

Suggested Numbering for Quadrax Contacts



Differential Pairs: 1 & 4, 2 & 3

CRIMP CONTACTS

Contact Size	Cable	Contact Part Number			Crimping Tools	
		Pin	Socket	Inner conductor Gauge	Inner contact	Outer contact
8	Thermax 1536-224	050742	050741	24	DANIELS M22520/2-01 with positioner K1777	DANIELS M22520/5-01 with die set Y1999 or M22520/5-45
	Thermax 1536-195			26		



SPLIT PAIR quadrax are available on PCB version and are compliant in term of dimension with the standard quadrax stick out define page 43