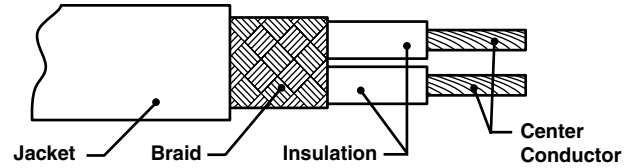


Twinax Contacts for MIL-DTL-38999

General Description, Application Data - Size 10 & 12

Amphenol® Twinax Contacts -Were designed for use with twinax cable in Data Bus systems. Twinax contacts provide the following benefits:

- Protection from magnetic interference
- Protection from electrostatic interference including nuclear electromagnetic pulse
- Meets parameters defined by MIL-STD-1553B
- Maintains shield integrity through a multi-pin circular connector and does not require contact polarization within the insert



Cable Illustration - Twinax Contact

SIZE 10 & 12 CONCENTRIC TWINAX CONTACTS

The size 12 concentric twinax contact interface was developed for JN1104 EuroFighter contacts, and can be used in any size 12 cavity M38999 I, II or III or SJT connector.

Features:

- Operating temperature -55°C to 175°C
- Pins are scoop-proof
- Meets performance levels of M38999 connector
- 4 components, gold plated crimp termination
- For use with a variety of cables (See chart below)



Concentric Twinax Contacts Size 12

TYPICAL ELECTRICAL PERFORMANCE

Size 10 & 12 Concentric Twinax Contacts

Voltage Rating: 500 Vrms max. @ sea level

Contact Resistance:

Center @ 1 Amp, 55 millivolts max. voltage drop @ 25°C

Intermediate @ 1 Amp, 55 millivolts max. voltage drop @ 25°C

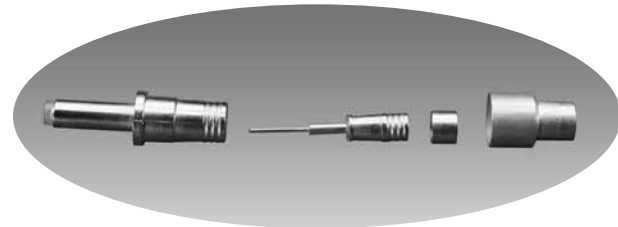
Outer @ 12 Amps, 85 millivolts max. voltage drop @ 25°C

Operating Frequency: 0-30 MHz

Dielectric Withstanding Voltage:

Center to Intermediate 800 VAC Rms @ Sea Level

Intermediate to Outer 500 VAC Rms @ Sea Level



Unassembled Components of Size 12 Concentric Twinax Contact

SIZE 10 & 12 CONCENTRIC TWINAX CONTACTS FOR USE IN D38999 CONNECTORS					
For use with Cable	Concentric Twinaxial Contact Part Number (Termination Instruction Sheet)**		Contact Size	Comments	Connector Series
	Pin	Socket			
M17/176-00002, ST5M1212-002, TWC-78-1	21-033909-025 (L-2092-G)	21-033908-025 (L-2092-G)	12	JN1104 Interface	D38999 Series I, III
0024A0024, Fileca F2709-13-CA	21-033909-028 (L-2092-G)	21-033908-028 (L-2092-G)			
EPD32263A,10612, GSC-12-2548-00	21-033909-029 (L-2092-H)	21-033908-029 (L-2092-H)			
ASNE0849, 5PTM1T04-1	21-033909-081 (L-2092-AB)	21-033908-081 (L-2092-AB)			
VG95218T023D002	21-033909-091 (L-2092-AC)	21-033908-091 (L-2092-AC)			
VG95218T023D002, 55PC1221-24	21-033909-101 (L-2092-AC)	21-033908-101 (L-2092-AC)		Same as -91 except new ferrule with wire support	
M17/176-00002, GSC-12-2549-00		21-033640-025 (L-2092-W)	12	JN1104 Interface	D38999 Series II
0024A0024		21-033640-028 (L-2092-V)			
5M2022-003	21-033844-001 (L-1255-A)	21-033843-001 (L-1255-B)	10	Supplied with Thermal fit sleeve	D38999 Series I, III

**Termination instructions are packaged with each contact and can be found on-line at: www.amphenol-aerospace.com/serviceinstructions.asp

38999

- III
- HD
- Dualok
- II
- I
- SJT
- Accessories
- Aquacon
- Herm/Seal
- PCB

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 1

Back-Shell's

Options
Others