

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 I

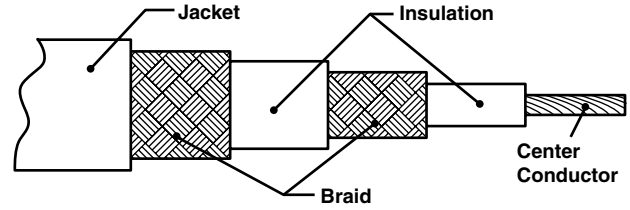
Back-  
Shells

Options  
Others

**Amphenol® Triax Contacts** -Provide additional shielding when terminated to triax cable having solid or stranded center conductors. Amphenol supplies triax contacts in sizes 8, 10 and 12 and they are ideally suited for use in D38999 Series I, II and III circular connectors.

Features and benefits of Amphenol triax contacts include:

- Incorporates three conductors, designed for use with triax cable
- Each of the three conductors are separated by dielectric insulation to isolate ground planes
- Shielding effectiveness is improved with two isolated shields
- May be specified for direct connection to printed circuit boards
- May be mixed with coax, twinax and power contacts in a single connector



Cable Illustration - Triax Contact



Triax Size 8 Pin Contact



Triax Size 12 Socket Contact

### TYPICAL ELECTRICAL PERFORMANCE

#### Size 8, 10 and 12 Triax Contacts

Contact Resistance:

Center @ 1 Amp, 120 millivolts max. voltage drop @ 25°C  
Intermediate @ 1 Amp, 60 millivolts max. voltage drop @ 25°C  
Outer @ 12 Amps, 90 millivolts max. voltage drop @ 25°C

Operating Frequency:

Size 12: 0-30 MHz  
Size 10: 0-300 MHz  
Size 8: 0-500 MHz

Dielectric Withstanding Voltage:

Center to Intermediate 800 VAC Rms @ Sea Level  
Intermediate to Outer 500 VAC Rms @ Sea Level

Insulation Resistance:

1000 megohms minimum @ 25°C

#### SIZE 8, 10 & 12 TRIAX CONTACTS FOR USE IN D38999 SERIES I & III CONNECTORS

For use with Cable	Size	Size 8, 10, 12 Triax Contact Part Number (Termination Instruction Sheet)**		Comments
		Pin	Socket	
5M2397-002, 81264-02, RGX-179, RT-179, Champlain 81-00321A, Tensolite 28883/02060X-1 (LD), 7528A5314, Thermatics 12447, 28883/02060X-1, RTG 179, Semflex RT316	8	21-033198-003 (L-1254-F)	21-033197-003 (L-1254-E)	
752866314, 7528G6314	8	21-033198-011 (L-1254-V)	21-033197-011 (L-1254-T)	
5M2559-001, 81264-01, Tensolite 28598/9J063T-1, Teledyne 13809, Cheminax 9530F5214	8	21-033198-004 (L-1254-D)	21-033197-004 (L-1254-C)	
ST5M1323-001, Champlain 81-00700, Teledyne 11914/1, Times AA6603, Tensolite 26895/90334X-1	8	21-033198-010 (L-1254-S)	21-033197-010 (L-1254-S)	
Tyco 7530A5314	8	21-033198-014	21-033197-014	
5M2397-002	10	21-033800-001 (L-1256-A)	21-033801-001 (L-1256-B)	
JN1088WU (75□), JN1088WT (50□)	12	21-033909-012 (L-1256-J)	21-033908-012 (L-1256-J)	JN1104 Interface
GSC-03-81497-00 (75□)	12	21-033909-023 (L-1256-M)	21-033908-023 (L-1256-M)	Replaced by -33 with improved rear insulator
GSC-03-81497-00 (75□)	12	21-033909-033 (L-1256-P)	21-033908-033 (L-1256-P)	JN1104 Interface
Harbour TRX 179, Times Microwave AA-6151 (RT-179), Axon RGX-179, 540-1050-000 (75□)	12	21-033909-071 (L-1256-AA)	21-033908-071 (L-1256-AA)	
10602 (Twinax)	8	21-033724-015 (L-1255-C)	(Consult with Amphenol for availability)	Special design with triax mating end and twinax cable termination

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