

Triax Contacts

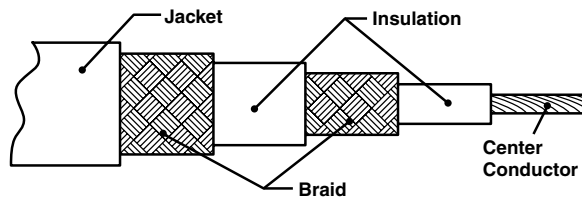
General Description, Contact Part Number Guide by Cable

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:

- 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

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Contact Part Number Guide by Cable

SIZE 8, 10 & 12 TRIAX CONTACTS FOR USE IN D38999 SERIES I & III CONNECTORS				
Size	For use with Cable	Comments	Size 8, 10, 12 Triax Contact Part Number (Termination Instruction Sheet)**	
			Pin	Socket
8	28883/02060X-1		21-033198-003 (L-1254-F)	21-033197-003 (L-1254-E)
	5M2397-002			
	7528A5314			
	81264-02			
	Champlain 81-00321A			
	RGX-179			
	RT-179			
	RTG 179			
	Tensolite 28883/02060X-1(LD)			
	Thermatics 12447			
	752866314		21-033198-011 (L-1254-V)	21-033197-011 (L-1254-T)
	7528G6314			
	5M2559-001		21-033198-004 (L-1254-D)	21-033197-004 (L-1254-C)
	81264-01			
	Cheminax 9530F5214			
	Teledyne 13809			
	Tensolite 28598/9J063T-1			
	ST5M1323-001			
	Champlain 81-00700		21-033198-010 (L-1254-S)	21-033197-010 (L-1254-S)
	Teledyne 11914/1			
	Tensolite 26895/90334X-1			
	Times AA6603			
	Tyco 7530A5314		21-033198-014	21-033197-014
	10602 (Twinax)	Special design with triax mating end and twinax cable termination	21-033724-015 (L-1255-C)	(Consult with Amphenol for availability)
	RT316		21-033198-031	21-033197-031
	Pic L7626TX (75 Ohm)		21-033198-015	21-033197-015
10	5M2397-002		21-033800-001 (L-1256-A)	21-033801-001 (L-1256-B)
12	JN1088WT (50 Ohm)	JN1104 Interface	21-033909-012 (L-1256-J)	21-033908-012 (L-1256-J)
	JN1088WU (75 Ohm)			
	GSC-03-81497-00 (75 Ohm)	Replaced by -33 with improved rear insulator	21-033909-023 (L-1256-M)	21-033908-023 (L-1256-M)
	GSC-03-81497-00 (75 Ohm)	JN1104 Interface	21-033909-033 (L-1256-P)	21-033908-033 (L-1256-P)
	540-1050-000 (75 Ohm)		21-033909-071 (L-1256-AA)	21-033908-071 (L-1256-AA)
	Axon RGX-179			
	Harbour TRX179			
	Times Microwave AA-6151 (RT-179)			

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