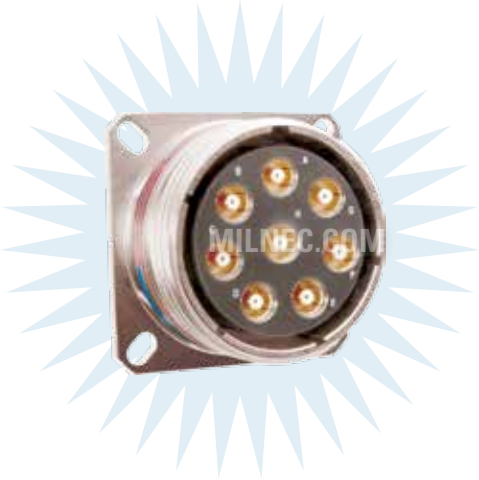
Matched Impedance Coaxial Contacts

TX Series • D38999 Series III Style Connectors



Matched Impedance Coaxial Contacts

Milnec high-performance matched impedance coaxial contacts feature captive inner contacts, preventing movement or "pullback" when the cable is bent. The contacts are available in sizes #8 and #12 for MIL-DTL-38999 applications. They provide 50 ohm matched impedance, resulting in low VSWR and low insertion loss, with a frequency range for a mated pair extending to 3 GHz and higher.

Electrical Specifications

Impedance:	50 Ω nominal
Frequency Range:	0 - 3 GHz
VSWR:	1.20 + .04 (freq. GHz)
Insertion Loss:	.11√ (freq. GHz dB max)
Insulation Resistance (Min):	5 GΩ at 77°F (25°C)
Dielectric Withstanding Voltage:	
At Sea Level:	1,000 VRMS
At 50,000 ft:	250 VRMS

Environmental Specifications

Operating Temperature:	-67 to 392°F (-55 to 200°C)

Mechanical Specifications

Mating Mechanism:	Slide on
Mounting:	Conforms to M39029/102 & M39029/103

Matched Impedance Coax Contacts

Pin Part Number	Socket Part Number	Cable Type	Contact Size	Notes
TXPX12-024	**TXSX12-024**	RG316, T-Flex-405 Semflex SM405	12	M39029/102/103, Type, 50 Ω
–	**TXSX12-025**	RG-316, T-Flex-405	12	MIL-DTL-38999 Series II Type, 50 Ω
TXPX12-026	**TXSX12-026**	RD316, Filotex, ET124962, M17/152-00001	12	M39029/102/103 Type, 50 Ω
TXPX12-027	**TXSX12-027**	JN1088WT	12	JN1104*50C, 50 Ω
TXPX12-028	**TXSX12-028**	PAN6422XΩ	12	PAN6841*50C, 50 Ω
TXPX12-029	**TXSX12-029**	RG178, Gore CXN 3403	12	M39029/102/103 Type, 50 Ω
–	**TXSX12-030**	RG178, Gore CXN 3403	12	MIL-DTL-38999 Series II Type, 50 Ω
TXPX12-031	**TXSX12-031**	SFT-316-TR	12	M39029/102/103 Type, 50 Ω
TXPX12-032	**TXSX12-032**	Semflex SW060	12	M39029/102/103 Type, 50 Ω
TXPX12-033	**TXSX12-033**	Semflex SW086 (solid inner conductor)	12	M39029/102/103 Type, 50 Ω
TXPX08-034	**TXSX08-034***	RG-179	8	75 Ω
TXPX08-035	**TXSX08-035***	PIC V76261	8	75 Ω
TXPX08-036	**TXSX08-036***	Belden 1855A	8	75 Ω

* Socket will only mate with corresponding Milnec pin.