

Series Specifications

T9 Series • Advanced Military & Aerospace Connectors

Performance Specifications

Built to meet or exceed MIL-DTL-38999 specifications
Guaranteed fully compatible and interchangeable with respect to physical and performance characteristics with all existing MIL-DTL-38999 Series III commercial, military, and NASA derivatives

Environmental Characteristics

Temperature Range

-67° to +392°F (-55° to +200°C)
Service life varies with the maximum internal hot spot temperature resulting from any combination of electrical load or ambient temperature:
77°F (25°C): Continuous
221°F (105°C): 45,000 hours
392°F (200°C): 1,000 hours

Water Pressure

IP67 rating (environmental sealing) when used in conjunction with proper sealing accessories
Fully submersible to 3.3 ft (1m) for minimum of 30 min

Air Leakage Rate

Environmental

Air leakage not to exceed 1 inch³/hr (4.55 x 10⁻³ cm³/sec) at 30 psi (2.11 kg/cm²) pressure differential with all contact cavities filled

Hermetic

Helium leakage not to exceed 0.01 micron per ft³/hr (1.0 x 10⁻⁶ cc³/sec) at 15 psi (1.1 kg/cm²)
Hermetic inserts rated up to 14,000 psi (984 kg/cm²) when precision welded or solder mounted

Thermal Vacuum Outgassing

For space grade (G) connectors, all nonmetallic materials used in connector assembly shall not release greater than 1.0% total mass loss and 0.1% collected volatile condensable material when tested as specified per ATSM E-595 and EEE-INST-002

Salt Spray Rating

See Materials & Finishes, p. F-16

Humidity

Mated connectors shall maintain an insulation resistance of 100 megohms or greater at 77°F (25°C) with 95% humidity for duration of 20 days

Chemical Resistance to Fluids

20-hour full immersion (unmated) in hydraulic fluid and lubricating oil without damage or material degradation

Lightning Strike Resistance

Per EIA/ECA-364-75, mated connectors with full wire braid shield assembly will show resistance to indirect lightning strike with the following peak currents (amps):
Aluminum & Stainless Steel Shells: 10,000A
Composite Shells: 6,000A (3,000A, shell size 9 only)

Physical Characteristics

Coupling

Coupling is achieved by one 360° clockwise turn of the coupling ring, triple-start metric stub thread design, with integrated self-locking ratchet mechanism

Scoop-Proof

Shell design is 100% scoop-proof to prevent contact raking in blind-mate applications

Coupling Torque

Engagement & Disengagement Force (max / min)
Shell Size 9: .67 ft-lb_f (.904 N-m) / .08 ft-lb_f (.113 N-m)
Shell Size 11: .83 ft-lb_f (1.13 N-m) / .08 ft-lb_f (.113 N-m)
Shell Size 13: 1.17 ft-lb_f (1.58 N-m) / .17 ft-lb_f (.226 N-m)
Shell Size 15: 1.42 ft-lb_f (1.92 N-m) / .33 ft-lb_f (.452 N-m)
Shell Size 17: 1.92 ft-lb_f (2.60 N-m) / .33 ft-lb_f (.452 N-m)
Shell Size 19: 2.17 ft-lb_f (2.94 N-m) / .33 ft-lb_f (.452 N-m)
Shell Size 21: 2.58 ft-lb_f (3.50 N-m) / .50 ft-lb_f (.678 N-m)
Shell Size 23: 3.16 ft-lb_f (4.29 N-m) / .58 ft-lb_f (.791 N-m)
Shell Size 25: 3.16 ft-lb_f (4.29 N-m) / .58 ft-lb_f (.791 N-m)

Polarization

Single master key and keyway on top position of shell
Four minor keys and keyways on shell

Insert Arrangements

63 standard, custom inserts available

Alternate Keying

Normal polarization (N), plus 5 alternate shell keying polarizations (A, B, C, D, E)

Endurance Characteristics

Coupling Cycles

500 coupling cycles (minimum)

Shock

Half-sine wave with 300g's (±15%) magnitude with duration of 3 milliseconds with less than 1 microsecond maximum discontinuity with no cracking, loosening of parts, or other failures

High-Impact Shock

Per MIL-S-901, a 400 lbs (181 kg) hammer dropped onto assembly from height of 1 ft (30 cm), 3 ft (91 cm), and 5 ft (152 cm) applied to connector assembly in 3 axes, totaling 9 impacts, connector assembly experienced less than 1 microsecond maximum discontinuity with no cracking, loosening of parts, or other failures

Sine Vibration

Random vibration at 10 to 2,000 Hz (15 g's) experienced less than 1 microsecond maximum discontinuity with no cracking, loosening of parts, or other failures

Random Vibration

Per MIL-STD-1344, method 205, V & VI or EIA-364-28

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Material Characteristics

Shell

Environmental

Aluminum, solid, one piece, seamless construction
Stainless Steel, solid, one piece, seamless construction
Composite, solid, one piece, seamless construction

Hermetic

Stainless Steel, solid, one piece, seamless construction

Shell Plating (Standard Finishes)

W Finish

Electrically conductive cadmium plate finish with an olive drab chromate after-treat for additional corrosion resistance (500 hr salt spray rating)

N, G Finish

Electrically conductive electroless nickel plating (48 hr salt spray rating)

K Finish

Passivated
(1,000 hr salt spray rating)

RFI Grounding Fingers

Beryllium copper alloy or stainless steel

Shell Conductivity (Standard Finishes)

Per MIL-STD-1344, method 3008, maximum conductivity potential drop shall not exceed the following:

W Finishes

2.5 millivolts across assembly shell-to-shell
5.0 millivolts across assembly shell-to-braid

N, G, K, KS, L Finishes

1.0 millivolts across assembly shell-to-shell
3.5 millivolts across assembly shell-to-braid

J, M Finishes

3.0 millivolts across assembly shell-to-shell
6.0 millivolts across assembly shell-to-braid

HA, HB Finishes

10.0 millivolts across assembly shell-to-shell
15.0 millivolts across assembly shell-to-braid

Magnetic Permeability

Less than 2.0 μ when measured to EIA-364-54

Insert

Glass filled liquid crystal polymer (LCP)
Non-removable and mechanically bonded to shell

Hermetic Insert

Vitreous (glass compression)
Non-removable and mechanically bonded to shell

Protective Cover Chain

Passivated stainless steel, wire rope able to withstand a 25 lb (11.3 kg) tensile force without damage

Adhesives

RTV and epoxies

Grommet, Peripheral Seal, O-Ring, & Interfacial Seal

Blended fluorosilicone (70%) and silicone (30%) elastomer

Contact Characteristics

Contact Design

Environmental

Removable, rear-release crimp contacts

Hermetic

Solder style, permanently bonded to insert

Contact Sizes

#8 (Coax, Twinax), #12, #16, #20, #22D

Contacts Crimp

Beryllium copper alloy, per ASTM B197

Contacts Hermetic

Nickel-iron (Type 52 alloy), per ASTM F30

Contact Plating

Standard Crimp

Gold plate over nickel, 50 μ inches (1.27 μ m) minimum

High-Cycle Crimp

Gold plate over nickel, 150 μ inches (4.00 μ m) minimum

Hermetic

Gold plate over nickel, 50 μ inches (1.27 μ m) minimum

Socket Contact Hood

Stainless steel, passivated

Max Number of Contacts

128 x #22D contacts standard, custom inserts available

Max Contact Resistance

Size #22D: 14.6 milliohm maximum
Size #20: 7.3 milliohm maximum
Size #16: 3.8 milliohm maximum
Size #12: 1.7 milliohm maximum
Size #8: 3.0 milliohm maximum

Max Voltage Drop

Crimp Contacts

<73 millivolt maximum drop (initial)

Hermetic Contacts

<85 millivolt maximum drop (initial)

Contact Retention

Pin and socket contacts are designed to resist severe vibration and repeated connection and disconnection

Electrical Characteristics

Current Rating

23 amps (test current) at 68°F (20°C)

Max Operating Voltage

900 VAC (RMS) at sea level

Insulation Resistance

>5,000 megohms at 77°F (25°C)

Wire Size

12 to 28 (AWG)

Wire Sealing Range

Designed for individual wire sealing
Sealing is only guaranteed if wires meet MIL-W-5086 or within permitted ranges

Contact Specifications

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Wire & Crimp Contact Dimensions

Contact Size	Wire Range		Potential Drop (Millivolts)	Crimp Well Diameter	Min Crimp Well Depth	Wire Jacket Diameter Sealing Range		Contact Retention Min Axial Load Pounds (Newtons)
	AWG	Dia				Min	Max	
#22D	22, 24, 26, 28	.012–.025 (.32–.64)	<73	.035 (.89)	.141 (3.58)	.030 (.76)	.054 (1.37)	10 (44.5)
#20	20, 22, 24	.020–.032 (.51–.81)	<55	.047 (1.19)	.209 (5.31)	.040 (1.02)	.083 (2.11)	15 (66.7)
#16	16, 18, 20	.032–.050 (.81–1.29)	<49	.067 (1.70)	.209 (5.31)	.065 (1.65)	.109 (2.77)	25 (111.2)
#12	12, 14	.064–.080 (1.62–2.05)	<42	.100 (2.54)	.209 (5.31)	.097 (2.46)	.142 (3.61)	30 (133.4)

Dimensions are in inches (mm) unless otherwise noted.

Wire & Solder Contact Dimensions (Hermetic)

Contact Size	Wire Range		Potential Drop (Millivolts)	Solder Well Diameter	Min Solder Well Depth	Wire Jacket Diameter Sealing Range		Contact Retention Min Axial Load Pounds (Newtons)
	AWG	Dia				Min	Max	
#22D	22, 24, 26, 28	.012–.025 (.32–.64)	<85	.036 (.91)	.094 (2.39)	.030 (.76)	.054 (1.37)	10 (44.5)
#20	20, 22, 24	.020–.032 (.51–.81)	<60	.044 (1.12)	.125 (3.18)	.040 (1.02)	.083 (2.11)	15 (66.7)
#16	16, 18, 20, 22	.025–.050 (.64–1.29)	<85	.078 (1.98)	.141 (3.58)	.065 (1.65)	.109 (2.77)	25 (111.2)
#12	12, 14	.064–.080 (1.62–2.05)	<82	.116 (2.95)	.141 (3.58)	.097 (2.46)	.142 (3.61)	30 (133.4)

Dimensions are in inches (mm) unless otherwise noted.

Current Rating By Contact Size & Wire Size

Wire Size (AWG)	Contact Size			
	#22D	#20	#16	#12
28	1.5A	-	-	-
26	2A	-	-	-
24	3A	3A	-	-
22	5A	5A	-	-
20	-	7.5A	7.5A	-
18	-	-	10A	-
16	-	-	13A	-
14	-	-	-	17A
12	-	-	-	23A

Test ratings only. A connector cannot withstand maximum current through all contacts continuously. Please note that the establishment of electrical safety factors is left entirely in the designer's hands, since he or she is in the best position to know what peak voltage, switching surges, transients, etc. can be expected in a particular circuit.

Shielding Effectiveness

Freq Range (Mhz)	Attenuation Minimum (dB)
100	90
200	88
300	88
400	87
800	85
1,000	85
1,500	76
2,000	70
3,000	69
4,000	68
6,000	66
10,000	65

Effective over a range of 100 MHz to 10 GHz with a minimum 50 dB effectiveness at 10 GHz, in accordance with test method EIA-364-10.

Mated Connector Dimensions

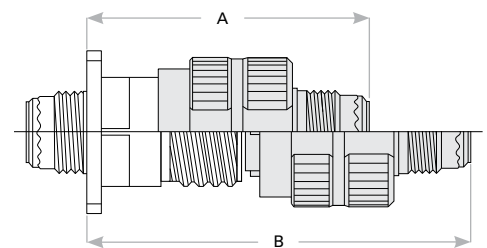
Shell Size	A Max	B Max	C Max	D Max
9	1.457 (37.0)	2.059 (52.3)	1.508 (38.3)	2.110 (53.6)
11	1.457 (37.0)	2.059 (52.3)	1.508 (38.3)	2.110 (53.6)
13	1.457 (37.0)	2.059 (52.3)	1.516 (38.5)	2.118 (53.8)
15	1.457 (37.0)	2.059 (52.3)	1.516 (38.5)	2.118 (53.8)
17	1.457 (37.0)	2.059 (52.3)	1.516 (38.5)	2.118 (53.8)
19	1.457 (37.0)	2.059 (52.3)	1.516 (38.5)	2.118 (53.8)
21	1.417 (36.0)	2.020 (51.3)	1.516 (38.5)	2.118 (53.8)
23	1.417 (36.0)	2.020 (51.3)	1.516 (38.5)	2.118 (53.8)
25	1.417 (36.0)	2.020 (51.3)	1.516 (38.5)	2.118 (53.8)

Dimensions are in inches (mm).

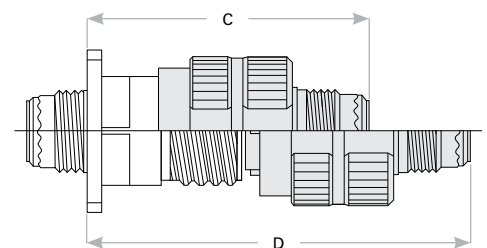
Contact Derating Specifications

Service Rating	Max Operating Voltage (Sea Level)		Test Voltage			
	AC (RMS)	DC	Sea Level AC (RMS)	50,000 ft AC (RMS)	70,000 ft AC (RMS)	110,000 ft AC (RMS)
M	400	500	1,300	550	350	200
N	300	450	1,000	400	260	200
I	600	850	1,800	600	400	200
II	900	1,250	2,300	800	500	200

Test ratings only. A connector cannot withstand maximum current through all contacts continuously. Please note that the establishment of electrical safety factors is left entirely in the designer's hands, since he or she is in the best position to know what peak voltage, switching surges, transients, etc. can be expected in a particular circuit.



T900 Wall Mount Receptacle & T906 Plug



T900 Jam Nut Receptacle & T906 Plug

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Power Contacts, Sealing Plugs, & Tooling

Contact Size	Contact Style	Part Number	Wire Size (AWG)	Wire Range (Dia)	Jacket Strip Length	Crimping Tool	Positioner	Insertion Tool	Extraction Tool
#22D	Standard Pin	T9PP22	22, 24, 26, 28	.012–.025 (.32–.64)	.157 (4.00)	TK201	TP209 (pins only)	TN801	TX802
	High-Cycle Pin	T9HP22					TP207 (socket only)		
	Standard Socket	T9SS22							
	High-Cycle Socket	T9HS22							
	Sealing Plug	T9SP22					No Tooling Required		
#20	Standard Pin	T9PP20	20, 22, 24	.020–.032 (.51–.81)	.197 (5.00)	TK101	TP104 (Turret)	TN805	TX806
	High-Cycle Pin	T9HP20							
	Standard Socket	T9SS20							
	High-Cycle Socket	T9HS20							
	Sealing Plug	T9SP20					No Tooling Required		
#16	Standard Pin	T9PP16	16, 18, 20	.032–.050 (.81–1.29)	.236 (6.00)	TK101	TP104 (Turret)	TN807	TX808
	High-Cycle Pin	T9HP16							
	Standard Socket	T9SS16							
	High-Cycle Socket	T9HS16							
	Sealing Plug	T9SP16					No Tooling Required		
#12	Standard Pin	T9PP12	12, 14	.064–.080 (1.62–2.05)	.236 (6.00)	TK101	TP104 (Turret)	TN809	TX810
	High-Cycle Pin	T9HP12							
	Standard Socket	T9SS12							
	High-Cycle Socket	T9HS12							
	Sealing Plug	T9SP12					No Tooling Required		

Dimensions are in inches (mm) unless otherwise noted.

Thermocouple Contacts

Contact Size	Contact Style	Part Number	Wire Size (AWG)	Wire Range (Dia)	Jacket Strip Length	Crimping Tool	Positioner	Insertion Tool	Extraction Tool			
#22D Alumel	Pin	T9PA22	22, 24, 26, 28	.012–.025 (.32–.64)	.157 (4.00)	TK201	TP209	TN801	TX802			
	Socket	T9SA22					TP207					
#22D Chromel	Pin	T9PR22					TP209					
	Socket	T9SR22					TP207					
#22D Constantan	Pin	T9PK22					TP209					
	Socket	T9SK22					TP207					
#22D Iron	Pin	T9PE22					TP209					
	Socket	T9SE22					TP207					
#20 Alumel	Pin	T9PA20	20, 22, 24	.020–.032 (.51–.81)	.197 (5.00)	TK101		TN805	TX806			
	Socket	T9SA20										
#20 Chromel	Pin	T9PR20										
	Socket	T9SR20										
#20 Constantan	Pin	T9PK20										
	Socket	T9SK20										
#20 Iron	Pin	T9PE20								TP104 (Turret)		
	Socket	T9SE20										
#16 Alumel	Pin	T9PA16	16, 18, 20	.032–.050 (.81–1.29)	.236 (6.00)	TK101	TN807	TX808				
	Socket	T9SA16										
#16 Chromel	Pin	T9PR16										
	Socket	T9SR16										
#16 Constantan	Pin	T9PK16										
	Socket	T9SK16										
#16 Iron	Pin	T9PE16										
	Socket	T9SE16										

Dimensions are in inches (mm) unless otherwise noted.

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Coax & Twinax Contacts

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Coax Contacts

Cable	Contact Size	Part Number		Crimping Tools		Positioners		Installation Tools	
		Pin	Socket	Inner	Outer	Inner	Outer	Insertion	Extraction
RG-178B/U RG-196A/U M17/093-RG178 M17/169-00001	#16	T9PX16-002	T9SX16-003		TK401	TP235	TP402	TN807	TX808
RG-161/U RG-174A/U RG-179B/U RG-187A/U RG-188A/U RG-316/U		T9PX16-004	T9SX16-005						
Haveg 8100207 Times (HS-179) AA3248 Teledyne 11299 Thermax 75-738-BCCWWE Tensolite 3088/L707YX-1		T9PX12-006	T9SX12-007	TK201					
M17/119-RG174 M17/094-RG179 M17/113-RG316	#12				TK3101	TP234	TP3102	TN809	TX810
RG-180B/U RG-195A/U Raychem 9528A1318 Raychem 9527D1514-2L Microdot 293-3922		T9PX12-008	T9SX12-009						
M17/095-RG180									
M17/113-RG316 M17/094-RG179		T9PX12-010	T9SX12-011	TK992		TP1360	TP503		
RG-180B/U RG-195A/U Raychem 9527D1514-2L M17/095-RG180	#8	T9PX08-012	T9SX08-013	TK201	TK501	TP231	TP505	N/A	TX814

Twinax Contacts

Cable	Contact Size	Contact Part Number		Crimping Tools		Positioners		Installation Tools	
		Pin	Socket	Inner	Outer	Inner	Outer	Insertion	Extraction
M17/176-00002	#8	T9PW08-002	T9SW08-003	TK201	TK501	TP231	TP505	N/A	TX2648

Coax, Twinax, & Quadrax PC Tails

For added engineering flexibility in today's advanced electronic designs, Milnec can provide coax or twinax contacts with PC tails. Custom tail lengths and tail diameters enable engineers to bring high-speed transmission directly to PC board applications with improved signal integrity. Please consult an authorized distributor for lead time information and minimum quantity requirements for special order high-speed PC tail contacts.

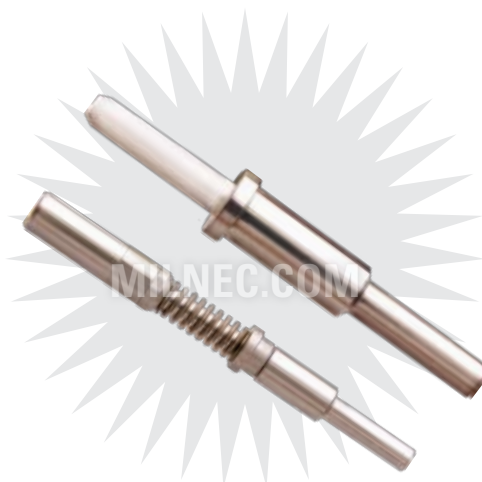


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Size #16 Fiber Optic Contacts

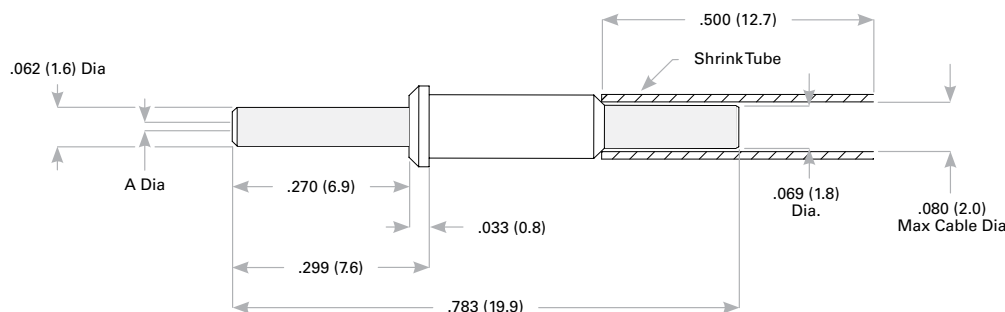
Pin Part Number	Socket Part Number	Fiber Size Core/Cladding	Mode	A Dia (Microns)	Tooling
T9PF-125S*	T9SF-125S*	9/125	Single	125.5	
T9PF-126S*	T9SF-126S*	9/125	Single	126	
T9PF-126M	T9SF-126M*	50/125 & 62.5/125	Multi	126	
T9PF-127M	T9SF-127M	50/125 & 62.5/125	Multi	127	
T9PF-142M	T9SF-142M	100/140	Multi	142	
T9PF-144M	T9SF-144M	100/140	Multi	144	
T9PF-145M*	T9SF-145M*	100/140	Multi	145	Insertion Tool
T9PF-156M*	T9SF-156M*	62.5/125/155 (Polyimide)	Multi	156	TN807
T9PF-157M*	T9SF-157M*	62.5/125/155 (Polyimide)	Multi	157	
T9PF-173M	T9SF-173M	100/140/172 (Polyimide)	Multi	173	Removal Tool
T9PF-175M*	T9SF-175M*	100/140/172 (Polyimide)	Multi	175	TX808
T9PF-231M*	T9SF-231M*	200/230	Multi	231	
T9PF-236M*	T9SF-236M*	200/233	Multi	236	
T9PF-286M*	T9SF-286M*	200/280	Multi	286	
T9PF-448M*	T9SF-448M*	400/440	Multi	448	
T9PF-533M*	T9SF-533M*	486/500	Multi	533	

* Special order item, please consult an authorized distributor for lead time and minimum quantity requirements.

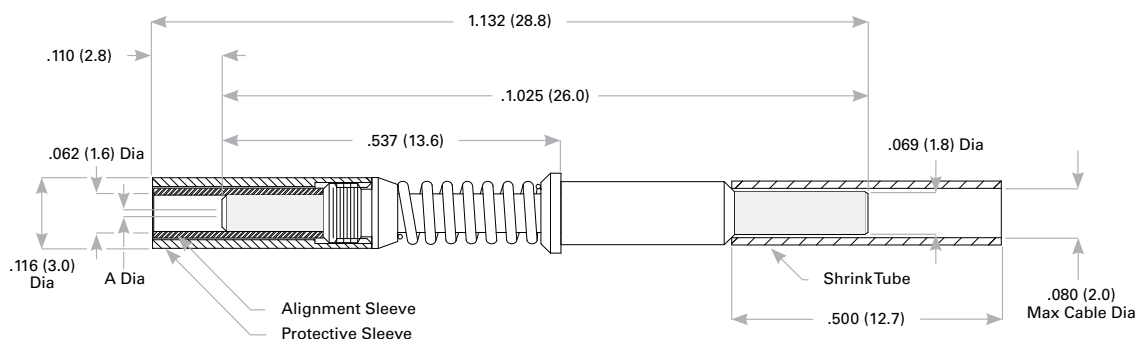


High-Performance Fiber Optic Contacts

Fiber optic termini are used in avionics, robotics, weapons systems, sensors, and other high-performance applications in which low data loss and reliable, repeatable performance is a necessity. These fiber optic termini can be used in any T9 insert that accommodates standard #16 power contacts.



Size 16 Fiber Optic Pin Contact



Size 16 Fiber Optic Socket Contact

PC Tail Contacts

T9 Series • Advanced Military & Aerospace Connectors

Introduction to PC Tail Contacts

PC tail contacts are used exclusively for connectors that are mounted directly to printed circuit boards or flex cable by a specialized contact with a long termination “tail” that protrudes behind the connector body. PC tail contacts offer a number of design advantages by permitting the use of ruggedized connectors mounted to sophisticated electronics without the use of pigtails or bulky terminal blocks. Direct termination of contacts to PC boards also increases signal integrity and improves overall system reliability.

PC tail contacts differ from one another by the tail diameter and length. The tail length is the portion that extends beyond the main body of the contact and protrudes from the rear of the connector shell. In cases where the tail length extends beyond a design’s required minimum length, excess tail material can simply be trimmed with wire cutters after soldering and testing. Milnec also offers custom coax, twinax, or quadrax PC tail contacts to accommodate high-frequency contact requirements. ■

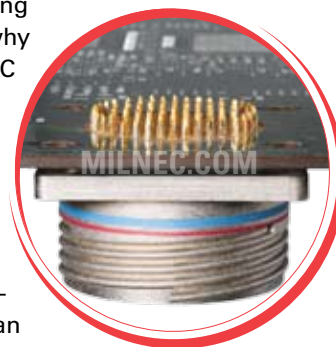


Jam Nuts for PC Tail Contact Applications

While PC tail contacts can be used in any shell style, we recommend the use of jam nut receptacles when using PC tail contacts for PC board applications. Jam nut receptacles are designed for rear mounting and enable simpler installation on the enclosure. Their single hole mounting design also reduces the number of environmentally susceptible openings that must be made, while the integrated O-ring maintains the environmental integrity of the enclosure. Protective covers are highly recommended to provide environmental and EMI/RFI protection when connectors are unmated. Socket contacts (which are recessed in the insert) are recommended for use as PC tail contacts in order to avoid accidental electrostatic discharge to contacts attached to sensitive electronics.

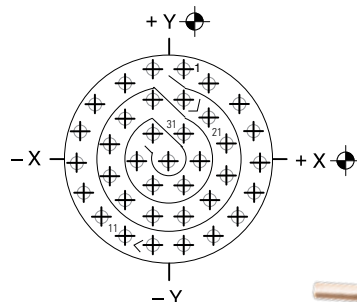
Custom PC Tail Lengths & Dimensions

We realize that every engineering application is different, that’s why we’re able to provide custom PC tail contacts to fit any design. Custom options include custom tail lengths, shoulder extensions, or even 90° angled configurations.



PC Tail Contact Placement Diagrams

Insert arrangement diagrams are available for the most popular inserts for PC tail contact applications. These diagrams provide precise hole locations for printed circuit board manufacturing via precision coordinates. Please contact your distributor for more information.



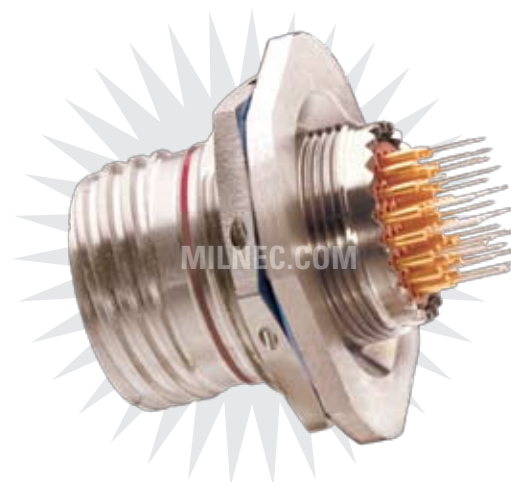
PC tail contacts may be ordered with custom shoulder extensions, tail lengths, diameters, and even custom angle configurations to meet your unique requirements.



T907 N 13-35 Y N - 02

- 1 **BASIC PART NUMBER**
T900 Wall mount receptacle
T907 Jam nut receptacle
- 2 **MATERIAL & FINISH**
N Aluminum, electroless nickel
W Aluminum, olive drab cadmium
K Stainless steel, passivated (firewall)
- 3 **SHELL SIZE & INSERT ARRANGEMENT**
 See Insert Arrangement Selection table, p. F-19
 (Verify PC tail kit availability on table)
- 4 **CONTACT STYLE**
X PC tail pins
Y PC tail sockets
- 5 **ALTERNATE KEYING**
N NORMAL or A, B, C, D, E
- 6 **OPTIONAL ACCESSORY KIT** (OMIT FOR NONE)
02 Protective cover + mounting gasket
03 02 kit + mounting bracket + sealing screws

Note: See part builder (p. F-17) for additional finish options.



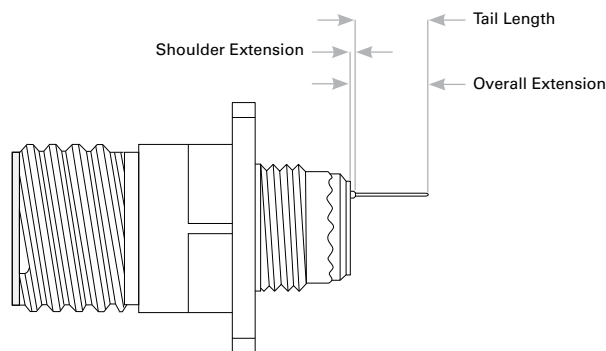
Order receptacles with PC tail contacts

PC tail contacts are used to mount ruggedized connectors directly to printed circuit boards or flex cable. To include PC tail contacts with your connector, simply select the X or Y option for contact style. Custom PC Tail contact angles and sizes are available by special order. Insert arrangement diagrams are available with precise hole locations for PCB manufacturing.

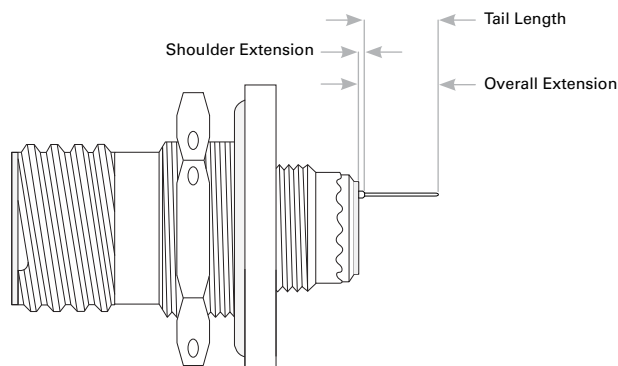
PC Tail Kitted Contacts

Contact Type	Part Number	Size	Tail Dia	Tail Length	T900 Shoulder Extension		T907 Shoulder Extension		T900 Overall Extension [±]		T907 Overall Extension [±]	
					Metal	Composite	Metal	Composite	Metal	Composite	Metal	Composite
Pin	T9PT22-001	#22D	.019 (.48)	.236 (5.99)	.084 (2.13)	.083 (2.11)	.083 (2.11)	.050 (1.27)	.320 (8.13)	.319 (8.10)	.319 (8.10)	.286 (7.26)
	T9PT20-002	#20	.025 (.63)									
	T9PT16-003	#16	.062 (1.57)									
	T9PT12-004	#12	.081 (2.06)									
Socket	T9ST22-005	#22D	.019 (.48)	.236 (5.99)	.094 (2.39)	.097 (2.46)	.092 (2.34)	.050 (1.27)	.330 (8.38)	.333 (8.46)	.328 (8.33)	.286 (7.26)
	T9ST20-006	#20	.025 (.63)									
	T9ST16-007	#16	.062 (1.57)									
	T9ST12-008	#12	.094 (2.39)									

For insertion and extraction tools, please see the Power Contacts, Sealing Plugs, & Tooling table, p. F-10.
 Dimensions are in inches (mm). [±] Overall extension ± 0.010 (0.3).



**T900 Wall Mount Receptacle
PC Tail Contact Extension**



**T907 Jam Nut Receptacle
PC Tail Contact Extension**