

Series 970 PowerTrip™ Connectors and Accessories

Cable Connectors

970-001 Plugs



PLUG CONNECTORS



Series 970 PowerTrip™ plug connectors feature high ampacity LouverBand contacts and rugged water resistant construction for the most demanding environments. Coupling threads are triple-start ACME type. EMI protected with ground spring and splined backshell interface. Anti-decoupling ratchet prevents de-mating under vibration. Standard contacts are silver plated high conductivity copper alloy, or choose gold-plated contacts for improved corrosion protection. Fluorosilicone rubber gaskets and grommets provide watertight sealing. Contacts are packaged with connector.

- EMI Protected
- High Ampacity Contacts
- Splined Backshell Interface
- Ratchet Self-Locking

PRODUCT FACTS

2000 VAC Sea Level DWV Rating
 -65°C to +200°C Operating Temperature
 6 Feet Water Immersion, 48 Hours
 65 dB min. Attenuation, up to 10GHz
 2000 Cycles Mating Durability
 MIL-S 901 Grade A High-Impact Shock
 43 g Random Vibration

HOW TO ORDER

SERIES	SHELL MATERIAL AND FINISH	SHELL SIZE - INSERT ARRANGEMENT						CONTACT TYPE AND PLATING	KEY POSITION	
970-001 Plug Connector	ME Aluminum, Electroless Nickel Finish	Contact Arr.	Contact Size and Qty					P1 Pin Contacts, Silver Plating*	-1 Position 1	
		#16	#12	#8	#4	#1/0	-2 Position 2			
		18-2			2					
	MT Aluminum, Nickel-PTFE Finish	18-4		2	2			P2 Pin Contacts, Gold Plating	-3 Position 3	
		20-3			3					
		20-4			4					
		20-5		2	3					
		20-7	4		3					
	NF Aluminum, Olive Drab Cadmium	24-2				2		S1 Socket Contacts, Silver Plating*	-4 Position 4	
		24-3				3				
		24-5			5					
	ZR Aluminum, Black Zinc-Nickel Finish	24-6		4		2		S2 Socket Contacts, Gold Plating	-5 Position 5	
		24-A6		3		3				
		Z1 Passivated Stainless Steel	28-4				4			
	28-9		5			4				
	32-2						2			
	32-3						3	B Socket Connector, without Contacts	* Size 12 and 16 contacts are gold-plated. Size 8, 4 and 1/0 are silver plated.	
	32-4					2	2			
	32-5					5				
	32-6			3			3			
	36-4						4			
40-5						5				
Sample Part Number										
970-001	MT	18- 2					P2	-1		

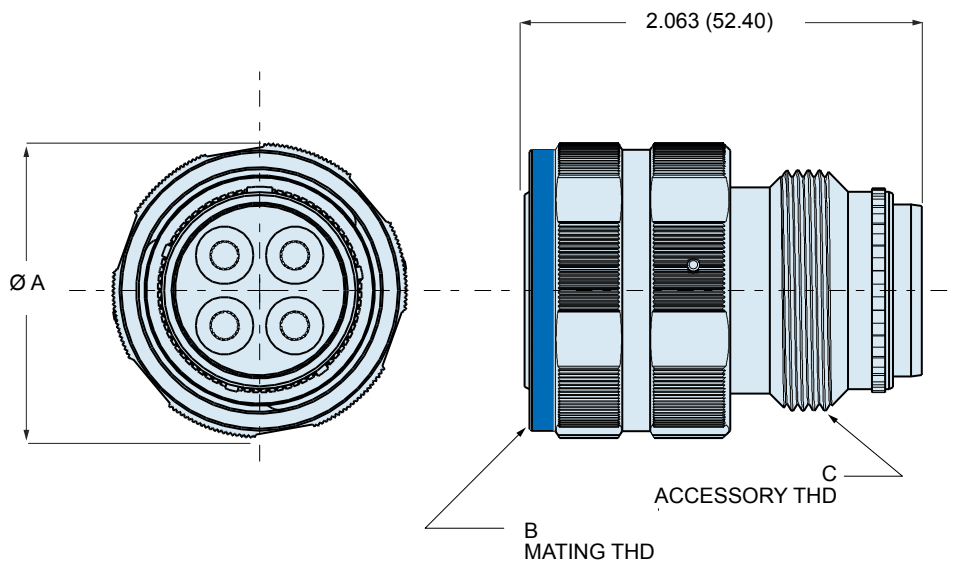


Series 970 PowerTrip™ Connectors and Accessories

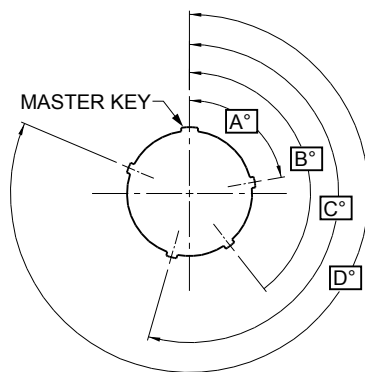
Cable Connectors

970-001 Plugs

970-001 PLUG CONNECTOR



DIMENSIONS				
Shell Size	Ø A		B Mating Thread	C Accessory Thread
	In.	mm.		
18	1.485	37.72	1.125-0.1P-.3L-TS-2B	1.125-18 UNEF-2A
20	1.583	40.21	1.250-0.1P-.3L-TS-2B	1.250-18 UNEF-2A
24	1.875	47.63	1.500-0.1P-.3L-TS-2B	1.4375-18 UNEF-2A
28	2.186	55.52	1.750-0.1P-.3L-TS-2B	1.8125-16 UN-2A
32	2.420	61.47	2.000-0.1P-.3L-TS-2B	2.0625-16 UNS-2A
36	2.709	68.81	2.250-0.1P-.3L-TS-2B	2.250-16 UN-2A
40	2.980	75.69	2.500-0.1P-.3L-TS-2B	2.500-16 UN-2A



KEY POSITIONS				
Position	A°	B°	C°	D°
1	80	142	196	293
2	135	170	200	310
3	49	169	200	244
4	66	140	200	257
5	62	145	180	280
6	79	153	197	272

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Glenair:

[970-001NF32-3P2-1](#)