

SERIES 80 MIGHTY MOUSE Micro Miniature Push-Pull Connectors with SpeedMaster™ 10G high-speed contacts



Series 824 Locking Push/Pull Plug and Receptacle Connectors



Quick Disconnect

These plugs snap securely into receptacle housings and release with a simple pull.

Full Mating Indicators

Audible, visual and tactile full mate indicators and simple push/pull action allow for quick, easy mating even in low-light situations,

Part Number Development					
Sample Part Number	824-010-01	MT	P	A	-1
Series and Shell Style	824-009-06 = Plug with Shrink Boot Groove 824-010-01 = In-line Receptacle with Boot Groove 824-010-00 = Front Panel Mount, Jam Nut Receptacle with Band Porch 824-010-07 = Rear Panel Mount, Jam Nut Receptacle with Band Porch See Shell Style Table				
Shell Material and Finish	ME = Aluminum alloy / electroless nickel MT = Aluminum alloy / nickel-PTFE, RoHS compliant NF = Aluminum alloy / CAD/O.D. over electroless nickel ZR = Aluminum alloy / black zinc nickel, RoHS compliant				
Contact Gender	P = Pin S = Socket A = Less contacts; see note 1				
Alternative Polarization	A, B, C, D, E				
Cable Size	See Cables Table; Omit when ordering pre-wired jumpers				

Alternate Positions		
Plug (Key)		Receptacle (Keyway)
Pos.	A°	B°
A	140	220
B	30	220
C	30	250
D	110	330
E	140	330

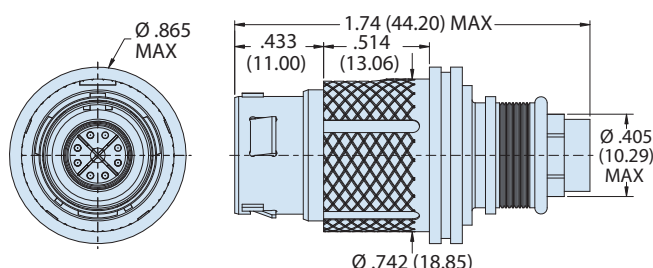
Shell Style	
824-009-06 Plug with Shrink Boot Groove	824-010-00 FPM Jam Nut, Receptacle with Shrink Boot Groove
824-010-01 In-Line Receptacle with Shrink Boot Groove	824-010-07 RPM Jam Nut Receptacle with Shrink Boot Groove

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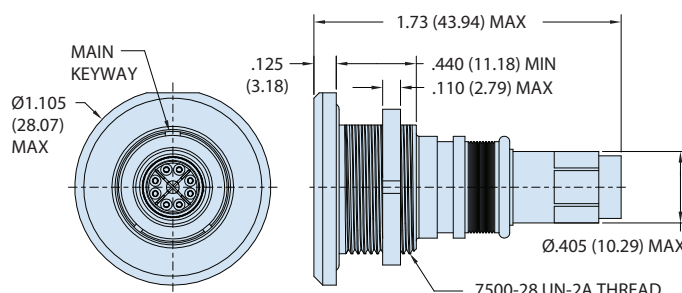


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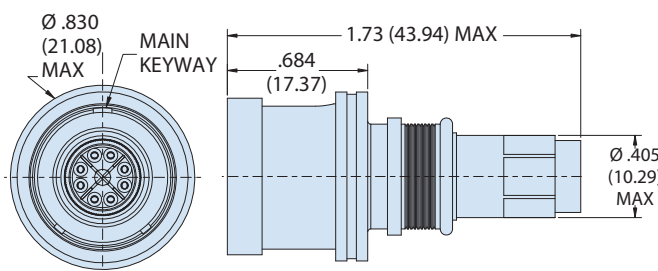
PLUG SHELL STYLE 824-009-06



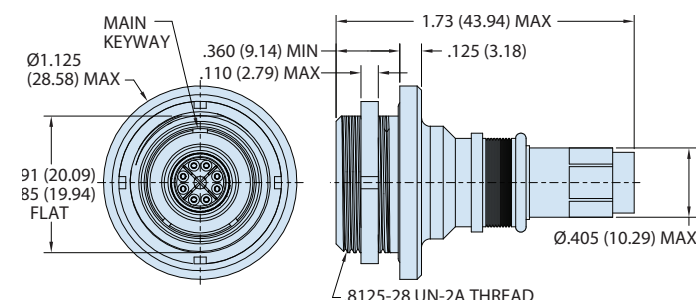
FRONT PANEL MOUNT, JAM NUT RECEPTACLE SHELL STYLE 824-010-00



IN-LINE RECEPTACLE SHELL STYLE 824-010-01



JAM NUT, REAR PANEL MOUNT RECEPTACLE SHELL STYLE 824-010-07



Cable Size Options (See note 5)

Cable Size	Cable Diameter
0*	.305 (7.75) MAX
1	.280 (7.11)
2	.274 (6.96)
3	.260 (6.60)
4	.250 (6.35)
5	.240 (6.10)
6	.230 (5.84)
7	.220 (5.59)

*Consult factory for use with other cable

Cables*

Cable P/N	Cable Category	Cable Construction	Wire Gage	Cable $\varnothing$	Assembly Instructions
963-066-24	Cat 6A	S/FTP	24	.260 (6.60)	AI85082
963-066-26	Cat 6A	S/FTP	26	.238 (6.05)	
963-066-28	Cat 6A	S/FTP	28	.210 (5.30)	
963-075-24	Cat 6A	SF/UTP	24	.265 (6.73)	

*Consult factory for use with other cable

NOTES

- Spare SpeedMasters (858-100 and 858-101) may be ordered separately. Retention ferrule tool (607-011) supplied with each connector. Select the "less contacts (A)" option when ordering pre-terminated cable to SpeedMaster contacts listed on page 6 and 7. Omit cable size from part number development when selecting the "less contact" option from the contact gender of the part number development.
- See assembly instruction AI85082 for SpeedMaster assembly. See assembly instructions AI85087 for SpeedMaster connector installation.
- See cable size table for available cable size options. For cable in-between sizes select smaller size. Maximum cable diameter is .305
- See 858-100 or 858-101 SpeedMaster contact module for inner contact pinout.
- Material / finish:
 - Shell: see part number development
 - Coil spring: stainless steel/gold
 - Latch sleeve: BeCu Alloy/electroless nickel
 - O-rings: fluorosilicone / N.A.