

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

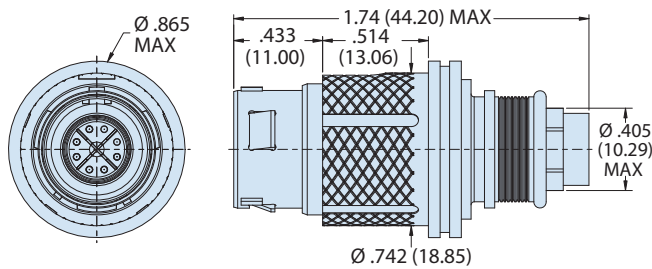
Shell Style	
824-009-06 Plug with Shrink Boot Groove	824-010-00 FPM Jam Nut, Receptacle with Shrink Boot Groove
824-010-01 In-Line Receptacle with Shrink Boot Groove	824-010-07 RPM Jam Nut Receptacle with Shrink Boot Groove

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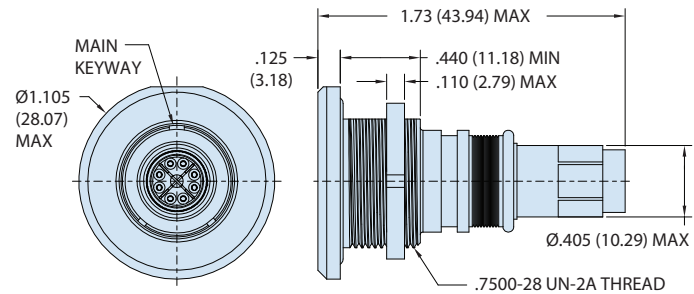


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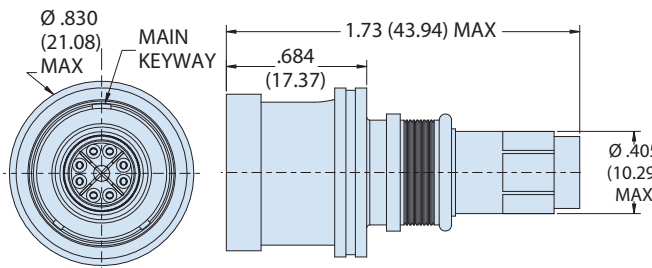
PLUG SHELL STYLE 824-009-06



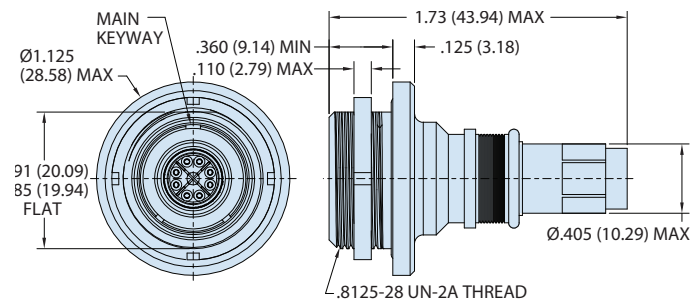
FRONT PANEL MOUNT, JAM NUT RECEPTACLE SHELL STYLE 824-010-00



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 Ø	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

1. 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.
2. See assembly instruction AI85082 for SpeedMaster assembly. See assembly instructions AI85087 for SpeedMaster connector installation.
3. See cable size table for available cable size options. For cable in-between sizes select smaller size. Maximum cable diameter is .305
4. See 858-100 or 858-101 SpeedMaster contact module for inner contact pinout.
5. Material / finish:
 - Shell: see part number development
 - Coil spring: stainless steel/gold
 - Latch sleeve: BeCu Alloy/electroless nickel
 - O-rings: fluorosilicone / N.A.