

SERIES 804 QDC PUSH-PULL

Mighty Mouse Connectors and Cables



PC Tail or Solder Cup Panel Mount Plugs



Environmental, PCB Plug

804-009 connectors feature low-profile shells for minimum protrusion inside enclosures and integral board standoffs. Contacts are non-removable. Specify 804-009 connectors for applications where open face water immersion is not a requirement. IP67 in the mated condition.

Water Tight PCB Plug

804-021 connectors are identical to 800-012, but are specially sealed ("MOD-518") and 100% tested to maintain a helium leak rate of less than 1×10^{-4} cc/second at one atmosphere pressure differential. Connectors meet MIL-STD-810 Method 512G immersion requirements in unmated/open face condition.

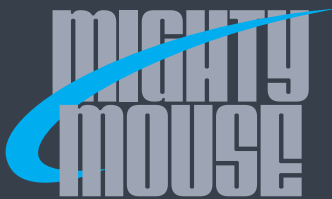
How To Order						
Sample Part Number	804-009	-07	NF	10-26	E	A
Series	804-009 = Panel Mount Plug, Standard Potting 804-021 = Panel Mount Plug, Resilient Silicone Potting for Watertight Seal from -40° to +70°C (1 ATM Pressure Differential)					
Shell Style (See Table I)	-00 = Jam-Nut, Front Panel Mount -02 = Flange Mount -07 = Jam-Nut, Rear Panel Mount					
Shell Material and Finish	C = Aluminum / Black Anodize (Non-Conductive) M = Aluminum / Electroless Nickel MT = Aluminum / Nickel-PTFE NF = Aluminum / Cadmium with Olive Drab Chromate ZNU = Aluminum / Zinc-Nickel with Black Chromate Z1 = Stainless Steel / Passivated					
Shell Size - Insert Arrangement	See Contact Arrangements Page H-6					
Contact Type	P = Pin, PC Tail E = Pin, Solder Cup S = Socket, PC Tail F = Socket, Solder Cup Contacts are pre-installed and non-removable.					
Polarization (See Table II)	Omit = Single Master Key A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F					

Table I: Shell Style		
-00 Jam-Nut, Front Panel Mount	-07 Jam-Nut, Rear Panel Mount	-02 Flange Mount

Table II: Key Positions			
	Pos.	A°	B°
	A	150°	210°
	B	75°	210°
	C	95°	230°
	D	140°	275°
	E	75°	275°
	F	95°	210°

NOTES

1. Contacts are nonremovable and connector is back potted
2. Connector, plug mates with all push/pull high density receptacle connectors with same polarization and opposite contact gender
3. See page H-9 for recommended panel cut-outs
4. Ø.126/.130 thru-holes replace locknuts for SST shells



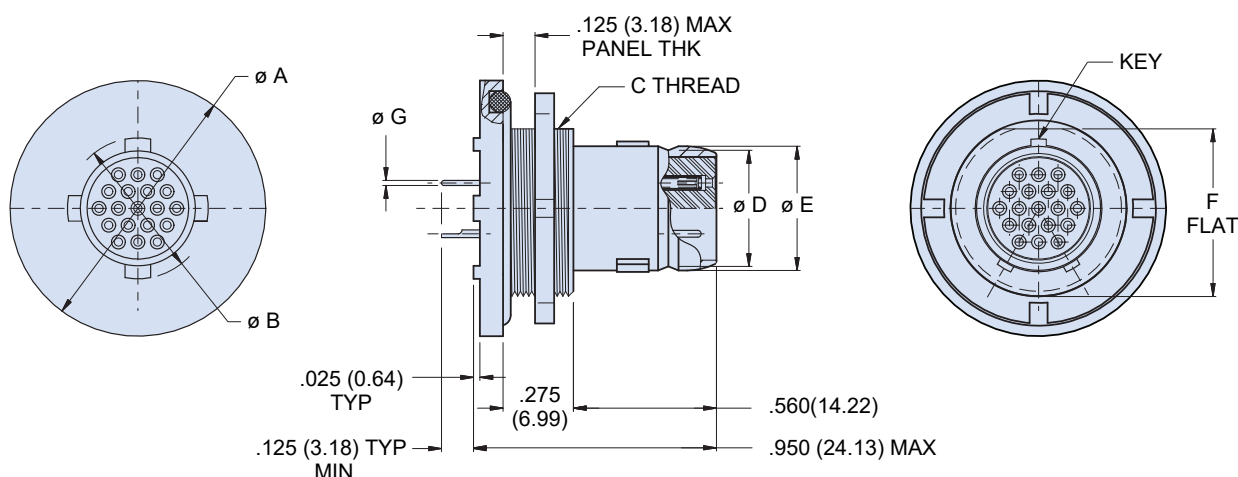
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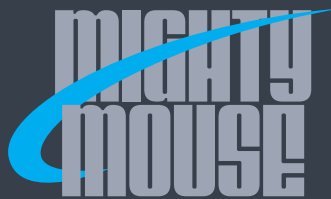
JAM-NUT, REAR PANEL MOUNT PLUG - SHELL STYLE 07



Dimensions							
Shell Size	Ø A	Ø B	C Threads	Ø D	Ø E	F Flat	Ø G Tail Dia.
5	.790 (20.07)	.244 (6.20)	.4375-32 UN-2A	.219 (5.56)	.250 (6.35)	.415 (10.54)	#23 .018/.022 (0.46/0.56)
6	.830 (21.08)	.330 (8.38)	.5000-32 UN-2A	.282 (7.16)	.313 (7.95)	.467 (11.86)	
7	.910 (23.11)	.432 (10.97)	.6250-28 UN-2A	.351 (8.92)	.383 (9.73)	.594 (15.09)	
8	.955 (24.26)	.493 (12.52)	.6250-28 UN-2A	.398 (10.11)	.429 (10.90)	.594 (15.09)	#20 .024/.028 (0.61/0.71)
9	1.000 (25.40)	.551 (14.00)	.6875-28 UN-2A	.454 (11.53)	.486 (12.34)	.655 (16.64)	#16 .060/.064 (1.52/1.63)
10	1.085 (27.56)	.620 (15.75)	.7500-28 UN-2A	.529 (13.44)	.563 (14.30)	.721 (18.31)	
11	1.135 (28.83)	.662 (16.81)	.8125-28 UN-2A	.587 (14.91)	.618 (15.70)	.790 (20.07)	#12 .092/.096 (2.34/2.44)
12	1.180 (29.97)	.703 (17.86)	.8750-28 UN-2A	.646 (16.41)	.676 (17.17)	.843 (21.41)	
14	1.325 (33.65)	.863 (21.92)	1.0000-28 UN-2A	.768 (19.51)	.800 (20.32)	.968 (24.59)	

Material and Finish

- Shell, jam-nut: aluminum alloy or CRES / see how to order table
- Insulator: high grade rigid dielectric / N.A.
- Interfacial seal, O-ring: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over suitable underplate
- Potting compound: epoxy / N.A.



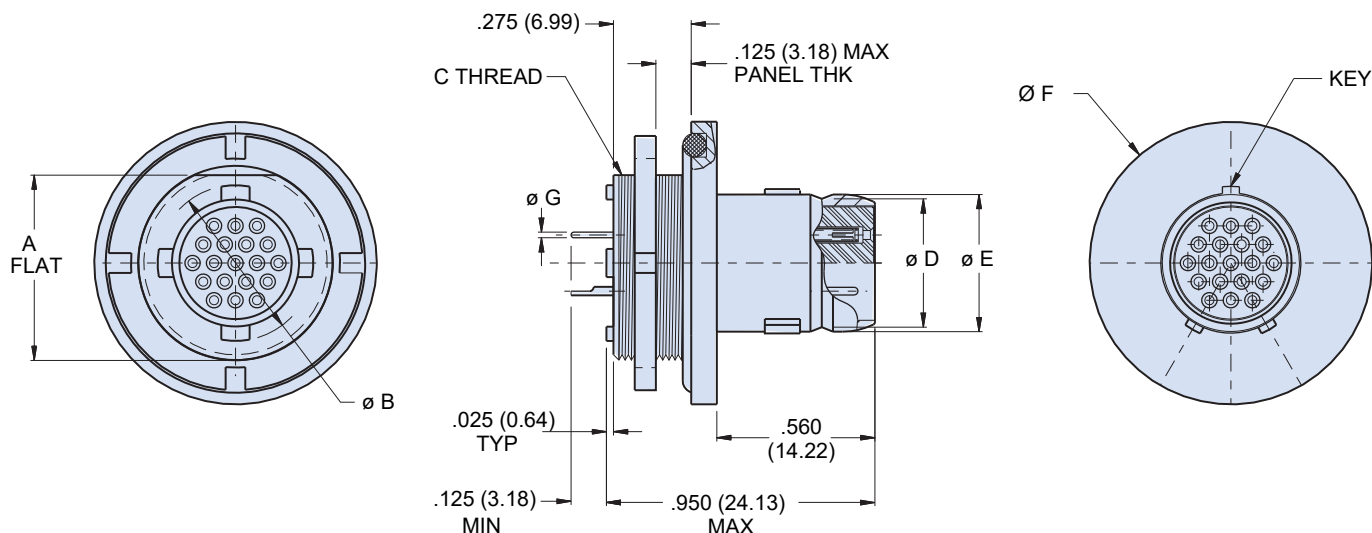
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PC Tail or Solder Cup Panel Mount Plugs

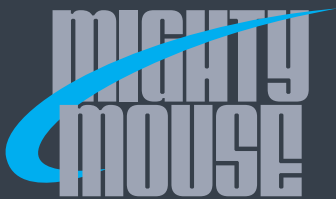
JAM-NUT, FRONT PANEL MOUNT PLUG - STYLE 00



Dimensions							
Shell Size	A Flat	Ø B	C Threads	Ø D	Ø E	Ø F	Ø G Tail Dia.
5	.415 (10.54)	.244 (6.20)	.4375-32 UN-2A	.219 (5.56)	.250 (6.35)	.790 (20.07)	#23 .018/.022 (0.46/0.56)
6	.467 (11.86)	.330 (8.38)	.5000-32 UN-2A	.282 (7.16)	.313 (7.95)	.830 (21.08)	
7	.594 (15.09)	.432 (10.97)	.6250-28 UN-2A	.351 (8.92)	.383 (9.73)	.910 (23.11)	
8	.594 (15.09)	.493 (12.52)	.6250-28 UN-2A	.398 (10.11)	.429 (10.90)	.955 (24.26)	#20 .024/.028 (0.61/0.71)
9	.655 (16.64)	.551 (14.00)	.6875-28 UN-2A	.454 (11.53)	.486 (12.34)	1.000 (25.40)	
10	.721 (18.31)	.620 (15.75)	.7500-28 UN-2A	.529 (13.44)	.563 (14.30)	1.085 (27.56)	#16 .060/.064 (1.52/1.63)
11	.790 (20.07)	.662 (16.81)	.8125-28 UN-2A	.587 (14.91)	.618 (15.70)	1.135 (28.83)	
12	.843 (21.41)	.703 (17.86)	.8750-28 UN-2A	.646 (16.41)	.676 (17.17)	1.180 (29.97)	#12 .092/.096 (2.34/2.44)
14	.968 (24.59)	.863 (21.92)	1.0000-28 UN-2A	.768 (19.51)	.800 (20.32)	1.325 (33.65)	

Material and Finish

- Shell: aluminum alloy or CRES / see how to order table
- Insulator: high grade rigid dielectric / N.A.
- Interfacial seal, O-ring: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over suitable underplate
- Potting compound: epoxy / N.A.



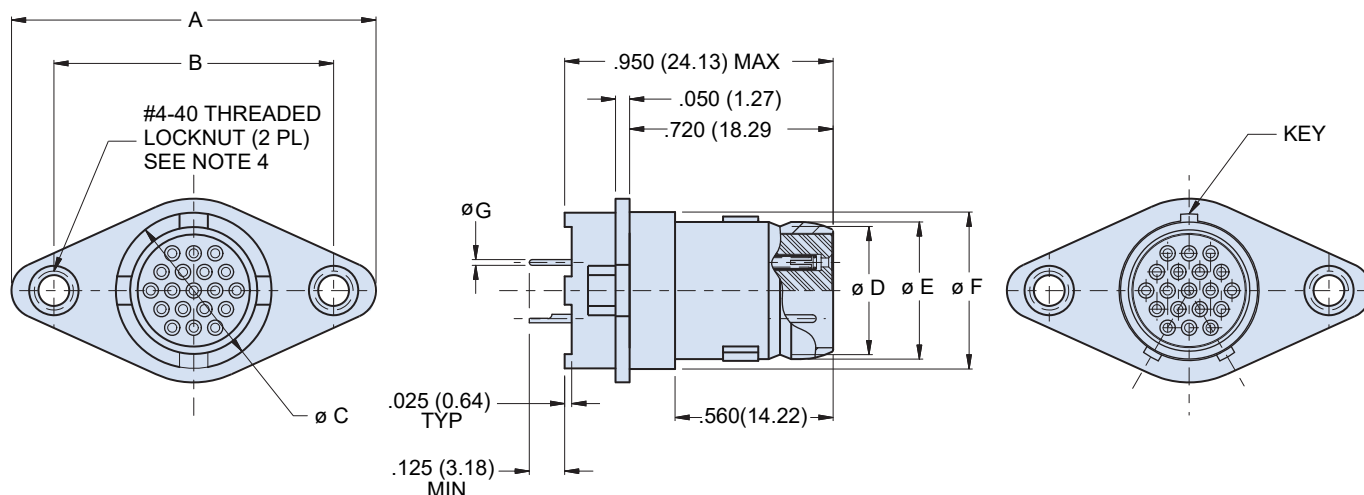
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FLANGE MOUNT PLUG - STYLE 02



Dimensions							
Shell Size	A	B ±.005 (.02)	Ø C	Ø D	Ø E	Ø F	Ø G Tail Dia.
5	1.055 (26.80)	.755 (19.18)	.244 (6.20)	.219 (5.56)	.250 (6.35)	.320 (8.13)	#23 .018/.022 (0.46/0.56)
6	1.120 (28.45)	.820 (20.83)	.330 (8.38)	.282 (7.16)	.313 (7.95)	.385 (9.78)	
7	1.185 (30.10)	.885 (22.48)	.432 (10.97)	.351 (8.92)	.383 (9.73)	.450 (11.43)	
8	1.230 (31.24)	.930 (23.62)	.493 (12.52)	.398 (10.11)	.429 (10.90)	.495 (12.57)	#20 .024/.028 (0.61/0.71)
9	1.290 (32.77)	.990 (25.15)	.551 (14.00)	.454 (11.53)	.486 (12.34)	.555 (14.10)	
10	1.360 (34.54)	1.060 (26.92)	.620 (15.75)	.529 (13.44)	.563 (14.30)	.625 (15.88)	#16 .060/.064 (1.52/1.63)
11	1.420 (36.07)	1.120 (28.45)	.662 (16.81)	.587 (14.91)	.618 (15.70)	.690 (17.53)	
12	1.485 (37.72)	1.185 (30.10)	.703 (17.86)	.646 (16.41)	.676 (17.17)	.750 (19.05)	-#12 .092/.096 (2.34/2.44)
14	1.600 (40.64)	1.300 (33.02)	.863 (21.92)	.768 (19.51)	.800 (20.32)	.865 (21.97)	

Material and Finish

- Shell: aluminum alloy or CRES / see how to order table
- Insulator: high grade rigid dielectric / N.A.
- Interfacial seal, O-ring: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over suitable underplate
- Potting compound: epoxy / N.A.