

SERIES 804 QDC PUSH-PULL Mighty Mouse Connectors and Cables



Glass-to-Metal Seal Hermetic Jam-Nut Mount Receptacles with PC Tails or Solder Cups



Series 804 Glass-Seal Hermetic Receptacle

"Push-Pull" Quick-Disconnect connectors (QDC) feature a canted coil spring to securely retain mating plug connector while providing low shell-to-shell resistance for excellent EMI shielding. Internal O-ring provides water-tight seal when mated. Connectors feature stainless steel shells, fused vitreous glass insulators and gold-plated alloy 52 iron alloy contacts. Hermetic connectors are 100% tested to meet 1×10^{-7} ccHe/sec @ 1 Atm helium leak rate. Two jam-nut shell styles are available including front panel mount (style 00) and rear panel mount (style 07).

NOTES

1. Contacts are non removable
2. Receptacle connector mates with all push/pull high density plug connectors with same polarization and opposite contact gender
3. See page H-9 for recommended panel cut-outs
4. Hermeticity rating of 1×10^{-7} cc/sec

How To Order						
Sample Part Number	804-006	-07	Z1	9-19	P	A
Series	804-006 = Hermetic Receptacle					
Shell Style (See Table I)	-00 = Jam-Nut, Front Panel Mount -07 = Jam-Nut, Rear Panel Mount					
Shell Material and Finish	Z1 = Stainless Steel / Passivated ZL = Stainless Steel / Nickel Plated					
Shell Size - Insert Arrangement	See Contact Arrangements pages M-8 thru M-32					
Contact Type	P = Pin, Solder Cup C = Pin, PC Tail S = Socket, Solder Cup D = Socket, PC Tail					
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

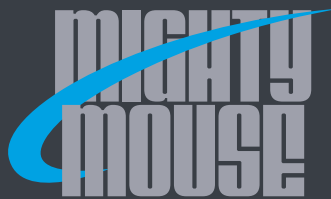
-00 Jam-Nut, Front Panel Mount	-07 Jam-Nut, Rear Panel Mount

DWV Rating

Contact Sizes	Test Voltage
23	750 VAC
20 HD	1000 VAC
16, 12, 8	1800 VAC

Table II: Keyway Positions

Pos.	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°



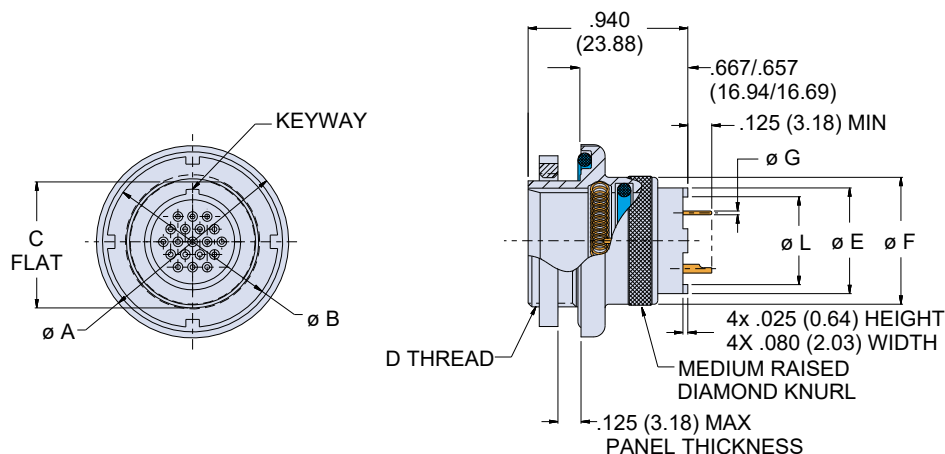
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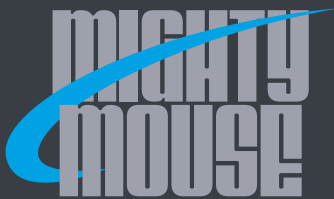
JAM-NUT, REAR PANEL MOUNT RECEPTACLE - SHELL STYLE 07



Dimensions								
Shell Size	Ø A	Ø B	C Flat	D Threads	Ø E	Ø F	Ø G Tail Dia.	Ø L
5	.790 (20.07)	.562 (14.27)	.415 (10.54)	.4375-32 UN-2A	.244 (6.20)	.450 (11.43)	#23 .022/.018 (0.56/0.46)	.176 (4.47)
6	.830 (21.08)	.625 (15.88)	.467 (11.86)	.5000-32 UN-2A	.336 (8.53)	.520 (13.21)		.239 (6.07)
7	.910 (23.11)	.750 (19.05)	.594 (15.09)	.6250-28 UN-2A	.432 (10.97)	.580 (14.73)		.325 (8.25)
8	.955 (24.26)	.750 (19.05)	.594 (15.09)	.6250-28 UN-2A	.493 (12.52)	.603 (15.32)	#20 .028/.024 (0.71/0.61)	.389 (9.88)
9	1.000 (25.40)	.812 (20.62)	.655 (16.64)	.6875-28 UN-2A	.551 (14.00)	.695 (17.65)		.447 (11.35)
10	1.085 (27.56)	.875 (22.23)	.721 (18.31)	.7500-28 UN-2A	.620 (15.75)	.735 (18.67)	#16 .064/.060 (1.63/1.52)	.516 (13.11)
11	1.135 (28.83)	.938 (23.83)	.790 (20.07)	.8125-28 UN-2A	.662 (16.81)	.810 (20.57)		.558 (14.17)
12	1.180 (29.97)	1.000 (25.40)	.843 (21.41)	.8750-28 UN-2A	.703 (17.86)	.880 (22.35)	#12 .096/.092 (2.44/2.34)	.599 (15.21)
14	1.325 (33.65)	1.125 (28.58)	.968 (24.59)	1.0000-28 UN-2A	.863 (21.92)	1.010 (25.65)		.759 (19.28)

Material and Finish

- Shell, jam-nut: CRES / see how-to-order table
- Insulator, Hermetic: fused glass
- Insulator, socket: hi-grade rigid dielectric
- Interfacial seal, O-ring: fluorosilicone
- Contact: socket-copper alloy / gold plate
- Contacts, hermetic: nickel-iron alloy / gold plate
- Detent spring-CRES/gold plated
- Potting compound: epoxy



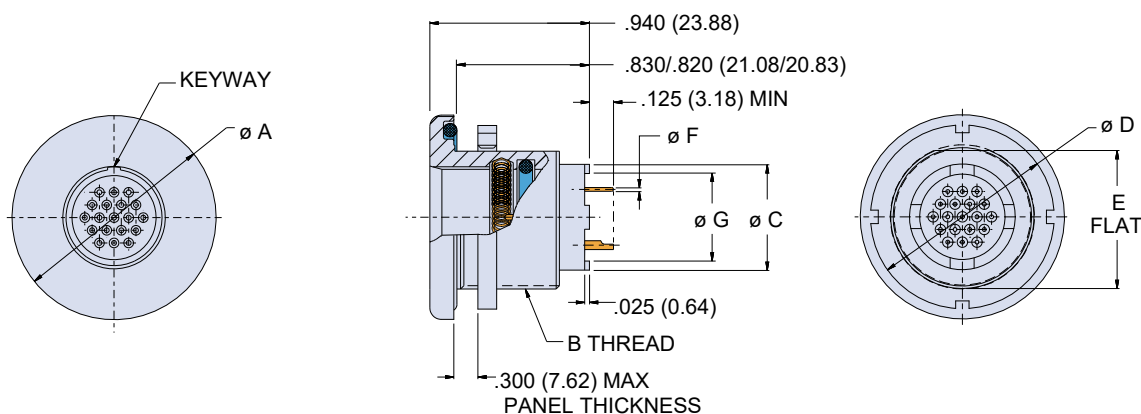
SERIES 804 QDC PUSH-PULL

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Glass-to-Metal Seal Hermetic Jam-Nut Mount Receptacles with PC Tails or Solder Cups

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



Dimensions							
Shell Size	Ø A	B Threads	Ø C	Ø D	E Flat	Ø F Tail Dia.	Ø G
5	.830 (21.08)	.5000-32 UN-2A	.244 (6.20)	.625 (15.88)	.470 (11.94)	#23 .018/.022 (0.46/0.56)	.176 (4.47)
6	.885 (22.48)	.5625-28 UN-2A	.336 (8.53)	.688 (17.48)	.530 (13.46)		.239 (6.07)
7	.995 (25.27)	.6875-28 UN-2A	.432 (10.97)	.812 (20.62)	.663 (16.84)		.325 (8.25)
8	.995 (25.27)	.6875-28 UN-2A	.493 (12.52)	.812 (20.62)	.663 (16.84)	#20 .024/.028 (0.61/0.71)	.389 (9.88)
9	1.075 (27.30)	.7500-28 UN-2A	.551 (14.00)	.875 (22.23)	.720 (18.29)		.447 (11.35)
10	1.140 (28.96)	.8125-28 UN-2A	.620 (15.75)	.938 (23.83)	.788 (20.02)	#16 .060/.064 (1.52/1.63)	.516 (13.11)
11	1.190 (30.23)	.8750-28 UN-2A	.662 (16.81)	1.000 (25.40)	.843 (21.41)		.558 (14.17)
12	1.340 (34.04)	1.000-28 UN-2A	.703 (17.86)	1.125 (28.58)	.970 (24.64)	#12 .092/.096 (2.34/2.44)	.599 (15.21)
14	1.390 (35.31)	1.062-20 UN-2A	.863 (21.92)	1.188 (29.51)	1.020 (25.91)		.759 (19.28)

Material and Finish

- Shell, jam-nut: CRES / see how to order table
- Insulator, Hermetic: fused glass
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