

SERIES 803 BAYONET-LOCK Mighty Mouse Connectors and Cables



Hermetic Bayonet-Lock Receptacles, PC Tail or Solder Cup



Series 803 Hermetic Receptacles feature 304L stainless steel shells and fused glass insulators tested to 1×10^{-7} cc/second maximum helium leak rate at 1 atmosphere vacuum. Select PC tail contacts for attachment to flexible ribbon or rigid board or choose solder cup contacts for direct wire attachment. Hermetic contacts are gold-plated iron alloy. Jam-nut rear panel mount and flange mount, front or rear panel mount shell styles are available. 1000 PSI pressure rating in open face (unmated) condition.

NOTES

1. Hermeticity:
 1×10^{-7} ccHe/sec at one atmosphere, not for use in liquid environment
2. See page G-7 for recommended panel cut-out dimensions

How To Order

Sample Part Number	803-006	-07	Z1	9-19	P	N
Series	803-006 = Hermetic Receptacle, Solder Cup or PCB Contacts					
Shell Style (See Table I)	-02 = Flange Mount -07 = Jam-Nut					
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	C = Pin, PC Tail P = Pin, Solder Cup D = Socket, PC Tail S = Socket, Solder Cup					
Polarization (See Table II)	N = Normal X = Pos. X Y = Pos. y Z = Pos. Z					

Table I: Shell Style

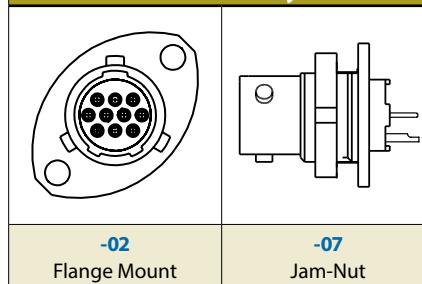
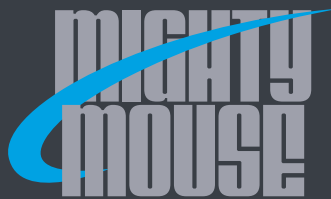


Table II: Keyway Polarization

Pos.	A°	B°
N	150°	210°
X	75°	210°
Y	95°	230°
Z	140°	275°

DWV Rating

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



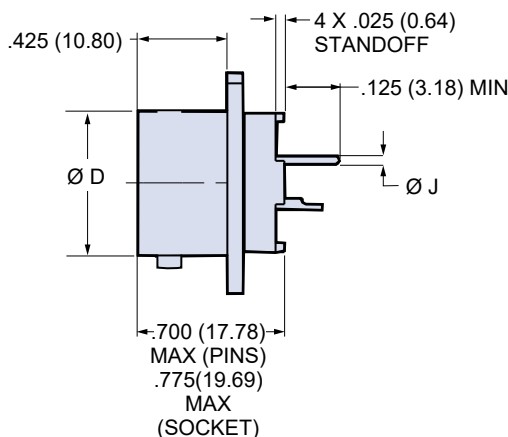
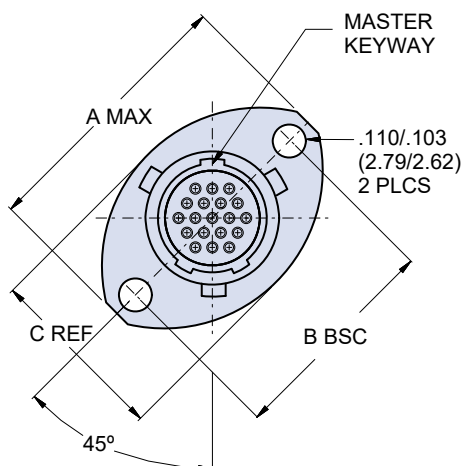
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Mighty Mouse Connectors and Cables



Hermetic Receptacles, PC Tail or Solder Cup

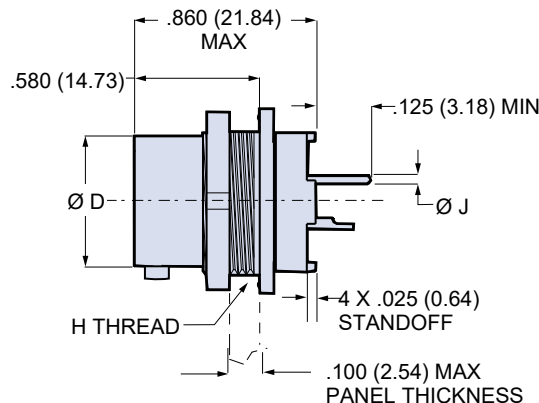
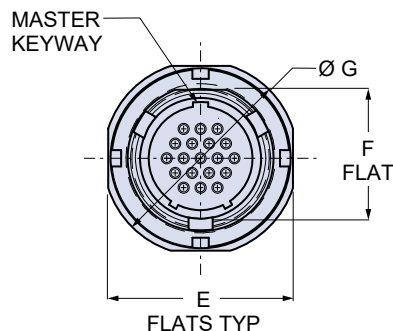
FLANGE MOUNT, FRONT OR REAR PANEL MOUNT RECEPTACLE - SHELL STYLE 02



Material and Finish

- Shell: SST / see how to order table
- Insulator, hermetic: fused glass / N.A.
- Insulator, socket: high-grade rigid dielectric / N.A.
- Seals: fluorosilicone/N.A.
- Contact, hermetic: alloy 52 / gold plate
- Contact: copper alloy / gold plate
- Potting compound: epoxy

JAM-NUT REAR PANEL MOUNT RECEPTACLE - SHELL STYLE 07



Material and Finish

- Shell, jam-nut: SST / see how to order table
- Insulator, hermetic: fused glass / N.A.
- Insulator, socket: high-grade rigid dielectric / N.A.
- Seals: fluorosilicone/N.A.
- Contact, hermetic: alloy 52 / gold plate
- Contact: copper alloy / gold plate
- Potting compound: epoxy

Dimensions									
Shell Size	A Max.	B Bsc.	C Ref.	Ø D	E Flats	F Flat	Ø G	H Thread	Ø J Tail Dia.
5	.703 (17.86)	.513 (13.03)	.460 (11.68)	.300 (7.62)	.545 (13.84)	.350 (8.89)	.575 (14.60)	.3750-32 UNEF-2A	#23 .018/.022 (0.46/0.56) #20 .024/.028 (0.61/0.71) #16 .060/.064 (1.52/1.63) #12 .092/.096 (2.34/2.44)
6	.788 (20.02)	.598 (15.19)	.522 (13.26)	.362 (9.19)	.595 (15.11)	.410 (10.41)	.635 (16.13)	.4375-28 UNEF-2A	
7	.890 (22.61)	.708 (17.98)	.590 (14.99)	.436 (11.07)	.723 (18.36)	.536 (13.61)	.755 (19.18)	.5625-32 UN-2A	
8	1.154 (29.31)	.964 (24.49)	.668 (16.97)	.508 (12.90)	.790 (20.07)	.593 (15.06)	.830 (21.08)	.6250-32 UN-2A	
9	1.207 (30.66)	1.017 (25.83)	.721 (18.31)	.561 (14.25)	.790 (20.07)	.593 (15.06)	.830 (21.08)	.6250-28 UN-2A	
10	1.291 (32.79)	1.101 (27.97)	.795 (20.19)	.635 (16.13)	.925 (23.50)	.721 (18.31)	.955 (24.26)	.7500-28 UN-2A	
12	1.394 (35.41)	1.204 (30.58)	.874 (22.20)	.714 (18.14)	1.044 (26.52)	.845 (21.46)	1.078 (27.38)	.8750-28 UN-2A	
14	1.545 (39.24)	1.280 (32.51)	1.050 (26.67)	.865 (21.97)	1.230 (31.24)	1.022 (25.96)	1.264 (32.11)	1.0625-20 UN-2A	