



Series 803 Mighty Mouse ¼ Turn Bayonet Coupling Hermetic Receptacle, PC Tail and Solder Cup 803-006 Ordering Information



Series 803 Hermetic Receptacles feature 304L stainless steel shells and fused glass insulators for a hermeticity of 1×10^{-7} ccHe/second at 1 atmosphere vacuum. Select PC tail contacts for attachment to flexible ribbon or rigid board or chose 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.

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; RoHS Compliant ZL = Stainless Steel/Nickel Plated					
Shell Size - Insert Arrangement	See Contact Arrangements Page F-2					
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

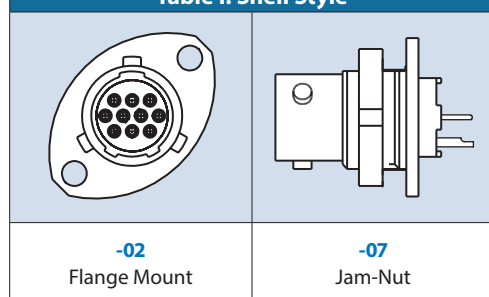


Table II: Keyway Polarization

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

DWV Rating

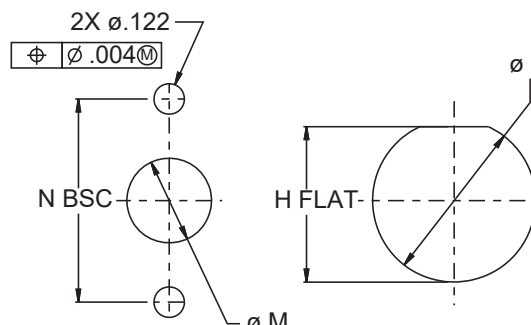
Contact Sizes	Test Voltage
23	750 Vac
20 HD	1000 Vac
16, 12, 8	1800 Vac

NOTES

- Hermeticity: 1×10^{-7} ccHe/sec at 1 ATM

Panel Cut-Out Dimensions

Shell Size	Ø M	N Bsc.	H Flat ± .002 (.05)	Ø B +.005 (+ 0.13) -.000 (-.00)
5	.382 (9.70)	.513 (13.03)	.355 (9.02)	.380 (9.65)
6	.445 (11.30)	.598 (15.19)	.415 (10.54)	.442 (11.23)
7	.520 (13.21)	.708 (17.98)	.541 (13.74)	.577 (14.66) .567 (14.40)
8	.592 (15.04)	.964 (24.49)	.601 (15.27)	.630 (16.00)
9	.645 (16.38)	1.017 (25.83)	.601 (15.27)	.630 (16.00)
10	.726 (18.44)	1.101 (27.97)	.729 (18.52)	.755 (19.18)
12	.832 (21.13)	1.204 (30.58)	.850 (21.59)	.880 (22.35)
14	.950 (24.13)	1.280 (32.51)	1.029 (26.14)	1.067 (27.10)



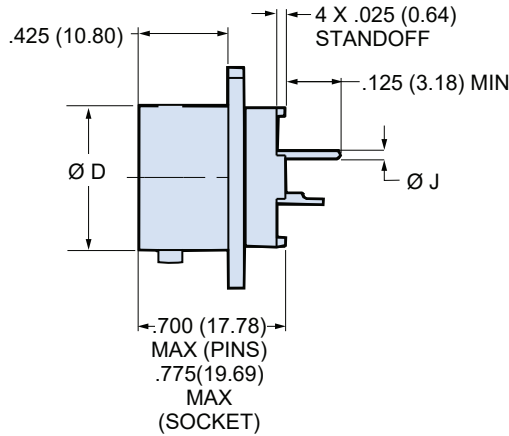
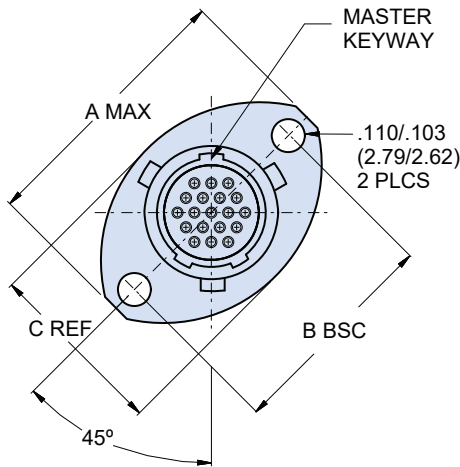
Dimensions in Inches (millimeters) are subject to change without notice.

Series 803 Mighty Mouse ¼ Turn Bayonet Coupling Hermetic Receptacle, PC Tail and Solder Cup 803-006-02 and 803-006-07 Dimensions



Series 803

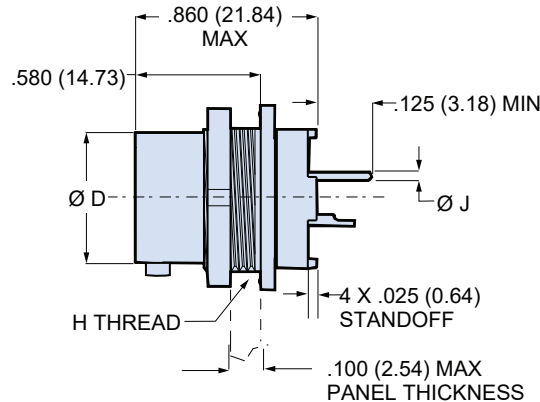
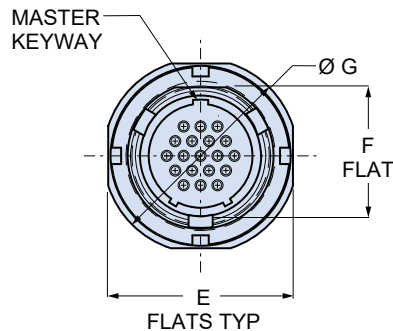
Flange mount, front or rear panel mount receptacle - shell style 02



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

F

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	

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