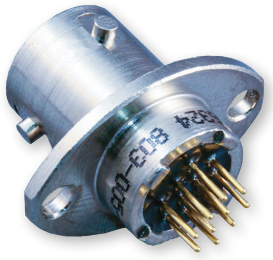
Series 803 Mighty Mouse, ¼ Turn Bayonet Coupling
PC Tail and Solder Cup Receptacle
803-005 and 803-015 Ordering Information



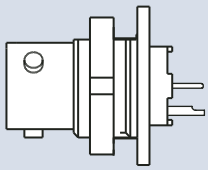
Environmental, PCB Receptacle 803-005 connectors feature low profile shells for minimum protrusion inside enclosures and integral board standoffs. Contacts are non-removable. Specify 800-015 connectors for applications where open face water immersion is not a requirement.

Water Tight PCB Receptacle 803-015 connectors are identical to 800-005 but are specially sealed ("MOD-518") and 100% tested to maintain a helium leak rate of less than 1 x 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	**803-005**	**-02**	**ZNU**	**6-7**	**S**	**N**
Series	**803-005** = Receptacle, Solder Cup or PCB Contacts **803-015** = Receptacle, Solder Cup or PCB Contacts; Watertight					
Shell Style (See Table I)	**-02** = Flange Mount **-07** = Jam-Nut					
Shell Material and Finish	**C** = Aluminum / Black Anodize (Non-Conductive); RoHS Compliant **M** = Aluminum / Electroless Nickel; RoHS Compliant **MT** = Aluminum / Nickel-PTFE RoHS Compliant **NF** = Aluminum / Cadmium with Olive Drab Chromate **ZNU** = Aluminum / Zinc-Nickel with Black Chromate **Z1** = Stainless Steel / Passivated; RoHS Compliant					
Shell Size - Insert Arrangement	See Contact Arrangements Page F-2					
Contact Type	**P** = Pin, PC Tail **E** = Pin, Solder Cup **S** = Socket, PC Tail **F** = Socket, Solder Cup					
Polarization (See Table II)	**N** = Normal **X** = Pos. X **Y** = Pos. y **Z** = Pos. Z					

Table I: Shell Style

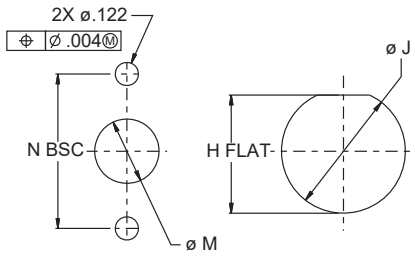
-02
Flange Mount



-07
Jam-Nut

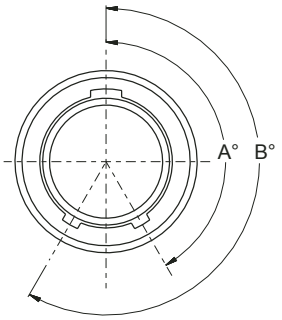
Panel Cut-Out Dimensions

Shell Size	Ø M	N Bsc.	H Flat ± .002 (.05)	Ø J +.005 (+ 0.13) -.000 (-.00)
5	.382 (9.70)	.513 (13.03)	.353 (8.97)	.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 (3.58)	.850 (21.59)	.880 (22.35)
14	.950 (24.13)	1.280 (32.51)	1.031 (26.19)	1.067 (27.10)



Shell Style -02 Flange Mount **Shell Style -07 Jam-Nut**

Table II: Keyway Polarization



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

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

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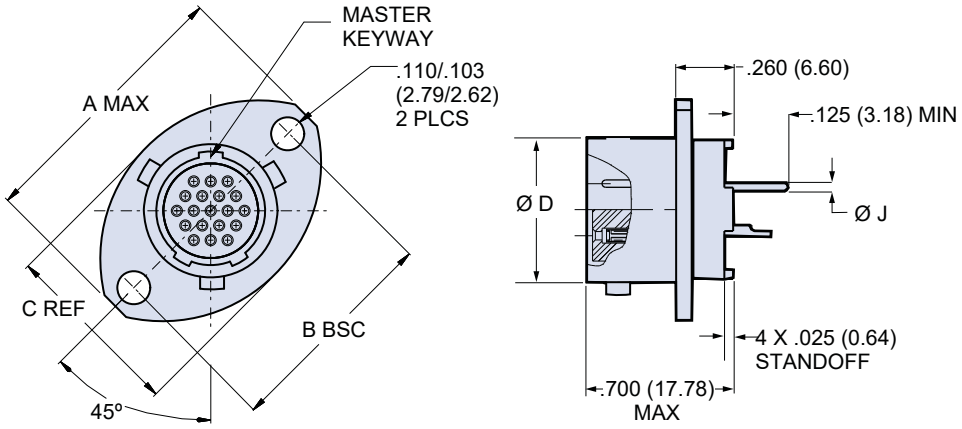
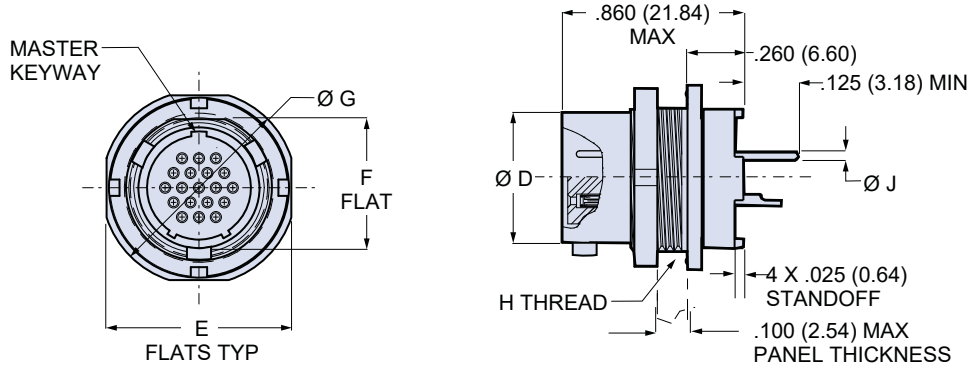
Flange mount, front or rear panel mount receptacle - shell style 02



Material and Finish

- Shell: Aluminum alloy or CRES / see how to order table
- Insulator: LCP or epoxy / N.A.
- Interfacial seal, grommet seal: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Class 1.25, over suitable underplate

Jam-nut, rear panel mount receptacle - shell style 01



Material and Finish

- Shell: Aluminum alloy or CRES / see how to order table
- Insulator: LCP or epoxy / N.A.
- Interfacial seal, grommet seal: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Class 1.25, over suitable underplate

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)
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	#20 .024/.028 (0.61/0.71)
8	1.154 (29.31)	.964 (24.49)	.668 (16.97)	.508 (12.90)	.790 (20.07)	.593 (15.06)	.755 (19.18)	.6250-28 UN-2A	
9	1.207 (30.66)	1.017 (25.83)	.721 (18.31)	.561 (14.25)	.790 (20.07)	.596 (15.14)	.830 (21.08)	.6250-28 UN-2A	#16 .060/.064 (1.52/1.63)
10	1.291 (32.79)	1.101 (27.97)	.795 (20.19)	.635 (16.13)	.925 (23.50)	.721 (18.31)	.890 (22.61)	.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	#12 .092/.096 (2.34/2.44)
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	

NOTES

1. Contacts are size 23, non removable, and connector is back-potted
2. For additional insert arrangements consult factory
3. Connector mates with all bayonet plug connectors with same polarization and opposite contact gender

F

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

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