

Series 803 Mighty Mouse ¼ Turn Bayonet Coupling PCB Connector Ordering Information

803-005, 803-015



Series 803



**Series 803 Printed
Circuit Board Receptacle**

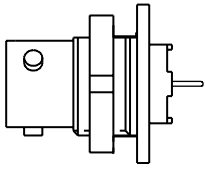
Printed Circuit Board/ Solder Cup Receptacles feature low profile shells for minimum protrusion inside enclosures and integral standoffs for board washout. Contacts are non-removable.

Water Immersion, Unmated

Specify **803-005** connectors for applications where open face water immersion is not a requirement. For MIL-STD-810 Method 512G immersion requirements, specify **803-015** watertight connectors. These 803-015 connectors are specially sealed ("MOD-518") and are 100% tested to maintain a helium leak rate of 1×10^{-4} cc/second at one atmosphere pressure differential from -40C to +70C.

NOTE: mated connectors are not submersible.

HOW TO ORDER SERIES 803 PRINTED CIRCUIT BOARD RECEPTACLES

Sample Part Number					
803-005	-07	ZN	6-7	S	N
Series	Shell Style	Shell Material / Finish	Shell Size- Insert Arrangement	Contact Type	Shell Key Position
803-005 Receptacle for Solder Cup or PCB Termination, with Standard Epoxy Potting	 - 02 Flange Mount	C Aluminum / Black Anodize (Non-Conductive) RoHS Compliant M Aluminum / Electroless Nickel RoHS Compliant NF Aluminum / Cadmium with Olive Drab Chromate ZN Aluminum / Zinc-Nickel with Olive Drab Chromate ZNU Aluminum / Zinc-Nickel with Black Chromate MT Aluminum / Nickel-PTFE RoHS Compliant Z1 Stainless Steel / Passivated RoHS Compliant	SEE CONTACT ARRANGEMENTS PAGE F-2	P Pin, PC Tail S Socket, PC Tail E Pin, Solder Cup F Socket, Solder Cup	N Normal Alternative Key Positions: X Y Z
803-015 Receptacle for Solder Cup or PCB Termination, With Resilient Silicone Potting For Watertight Seal from -40° to +70°C (15 PSI Pressure Differential)	 - 07 Jam Nut				

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

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CAGE Code 06324

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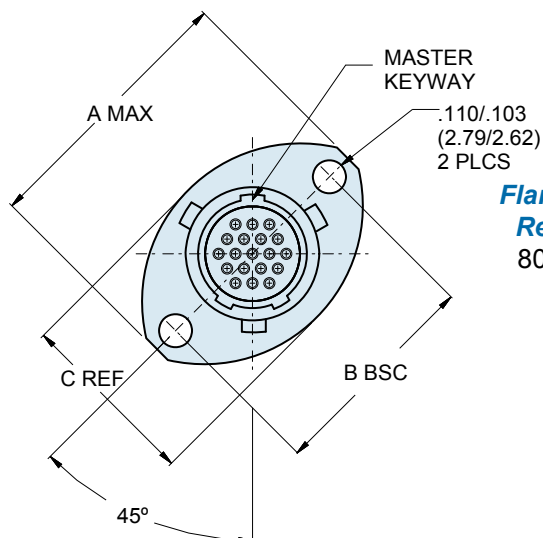
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F-11

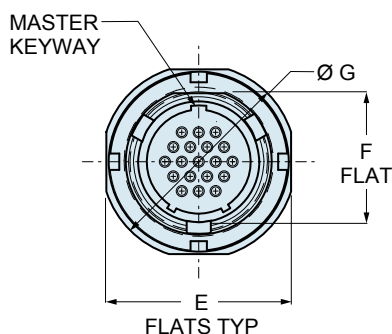
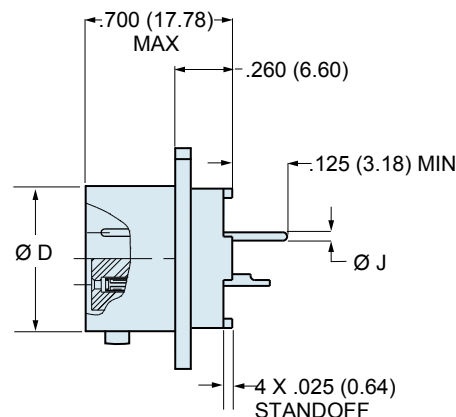
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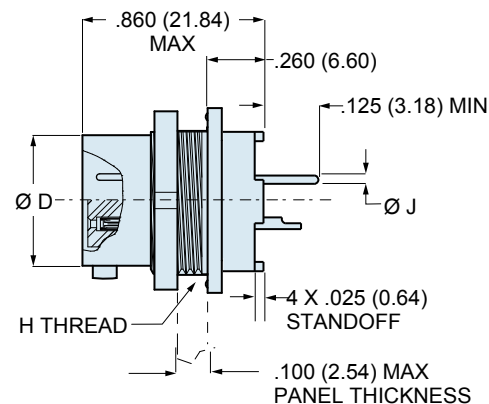
Series 803 Mighty Mouse ¼ Turn Bayonet Coupling Flange Mount and Jam Nut Receptacle Dimensions 803-005 and 803-015



**Flange Mount
Receptacle**
803-005-02



**Jam Nut
Receptacle**
803-005-07



DIMENSIONS

Shell Size	A Max.		B Bsc.		C Ref.		Ø D		E Flats		F Flat		Ø G		H Thread	Ø J Tail Dia.
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.		
5	.703	17.86	.513	13.03	.460	11.68	.300	7.62	.545	13.84	.350	8.89	.575	14.61	.3750-32 UNEF-2A	#23
6	.788	20.02	.598	15.19	.522	13.26	.362	9.19	.595	15.11	.410	10.42	.635	16.13	.4375-28 UNEF-2A	.018/.022 (0.46/0.56)
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
8	1.154	29.31	.964	24.49	.668	16.97	.508	12.91	.790	18.36	.593	14.53	.755	19.18	.6250-28 UN-2A	.024/.028 (0.61/0.71)
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
10	1.291	32.79	1.101	27.97	.795	20.19	.635	16.13	.925	21.72	.721	18.31	.890	22.61	.7500-28 UN-2A	.060/.064 (1.52/1.63)
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
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	.092/.096 (2.34/2.44)

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