Series 800 Mighty Mouse, UN Mating Thread
PCB Receptacle with PC Tails or Solder Cups
800-012 and 800-040 Ordering Information

Rear Panel Mount Jam-Nut

Environmental, PCB Receptacle 800-012 connectors feature low profile shells for minimum protrusion inside enclosures and integral board standoffs. Contacts are non-removable. Specify 800-012 connectors for applications where open face water immersion is not a requirement.

Water Tight PCB Receptacle 800-040 connectors are identical to 800-012 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.

C

How To Order						
Sample Part Number	**800-012**	**-07**	**M**	**7-10**	**P**	**Z**
Series	**800-012** = Environmental Receptacle with Solder Cups or PC Tails **800-040** = Receptacle, same as 800-012,					
Shell Style (See Table I)	**-02** = Square Flange **-07** = Jam-Nut *(See Jam-Nut Panel Cutout Dimensions Page C-3)*					
Shell Material and Finish	**C** = Aluminum / Black Anodize (Non-Conductive) RoHS Compliant **M** = Aluminum / Electroless Nickel RoHS Compliant **NF** = Aluminum / Cadmium with Olive Drab Chromate **ZNU** = Aluminum / Zinc-Nickel with Black Chromate **MT** = Aluminum / Nickel-PTFE RoHS Compliant **Z1** = Stainless Steel / Passivated RoHS Compliant					
Shell Size - Insert Arrangement	See Contact Arrangements page C-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

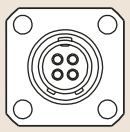
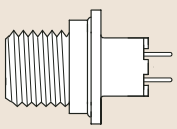
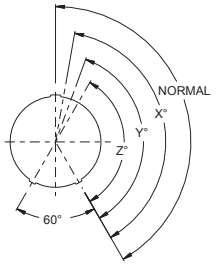
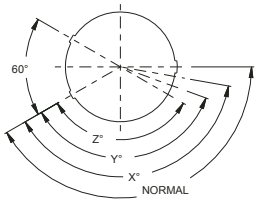
	
-02 Square Flange Front Mount	**-07** Jam-Nut for Rear Panel Mounting

Table II: Shell Key Positions[1,2]

Shell Size 5 and 6	Shell Size 7 thru 12
	

Key Position	Key Rotation
N Normal	150°
X	140°
Y	130°
Z	120°

Material / finish:

- Receptacle shell: aluminum alloy or CRES / see How to Order Table
- Insulator: LCP or epoxy / N.A.
- Interfacial seal, O-ring: fluorosilicone rubber
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Class 1.25, over a suitable underplate
- Potting compound: epoxy

NOTE

1. **Shell sizes 5 thru 6 and insert arrangement 8-13:** master key is located at top dead center (TDC) for normal (N) position.
2. **Shell size 7 thru 12:** master key is rotated 90° from TDC for normal position

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

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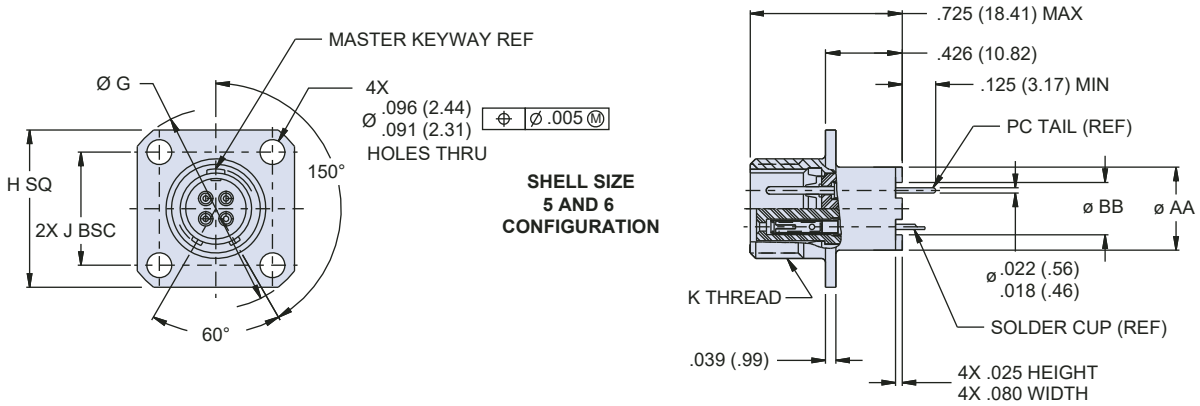
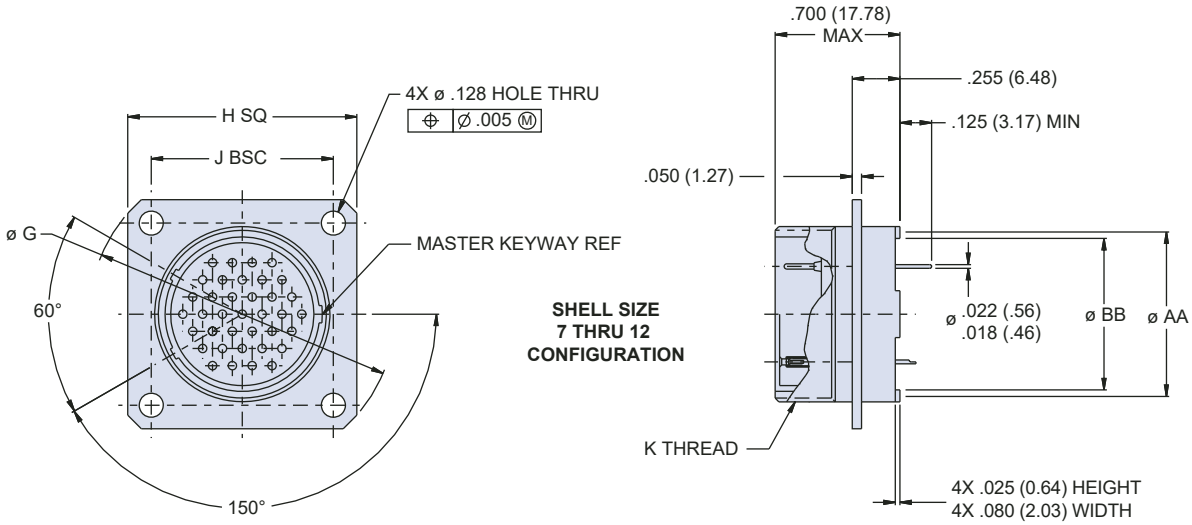
Square flange mount receptacle - shell style 02





Dimensions						
Shell Size	Ø G	H SQ	J BSC	K Thread	Ø AA O.D.	Ø BB I.D.
5	.680 (17.27)	.527 (13.39)	.363 (9.22)	.3125-28 UN-2A	.265 (6.73)	.186 (4.72)
6	.750 (19.05)	.588 (14.94)	.423 (10.74)	.3750-28 UN-2A	.330 (8.38)	.238 (6.05)
7	.850 (21.59)	.650 (16.51)	.483 (12.27)	.4375-28 UNEF-2A	.424 (10.77)	.327 (8.31)
8	.938 (23.83)	.710 (18.03)	.542 (13.77)	.5000-32 UN-2A	.448 (11.38)	.388 (9.86)
9	1.250 (31.75)	.938 (23.83)	.719 (18.26)	.5625-32 UN-2A	.500 (12.70)	.446 (11.33)
10	1.250 (31.75)	.938 (23.83)	.719 (18.26)	.6250-32 UN-2A	.575 (14.60)	.515 (13.08)
12	1.375 (34.92)	1.031 (26.19)	.812 (20.62)	.7500-28 UN-2A	.660 (16.76)	.599 (15.21)

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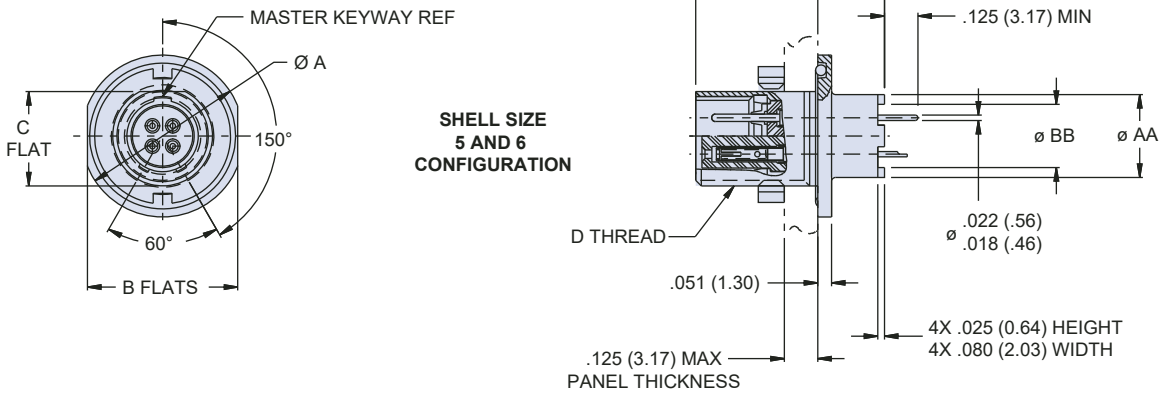
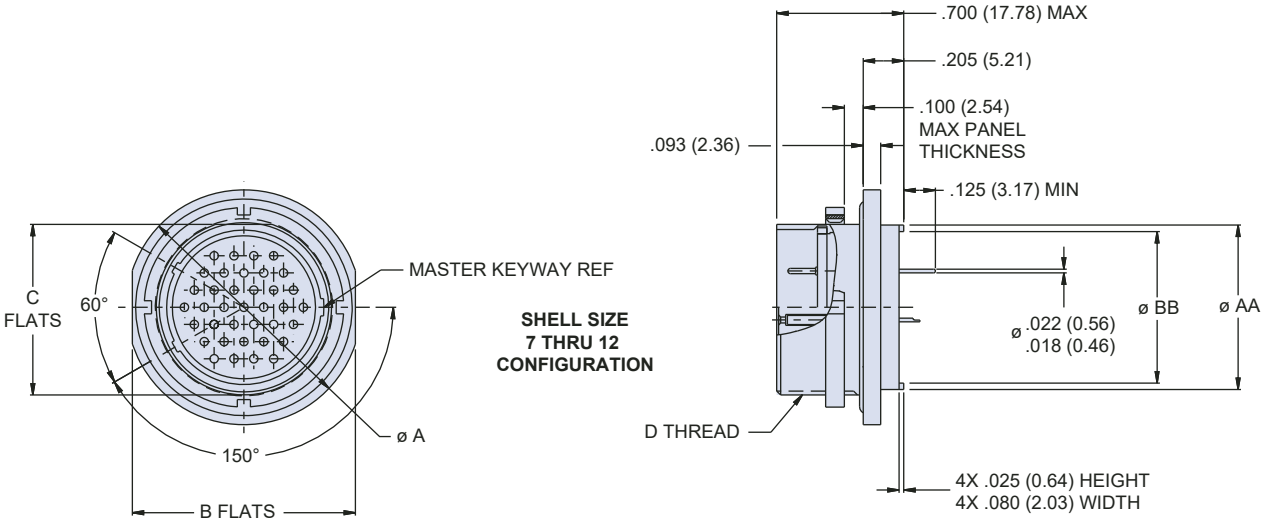
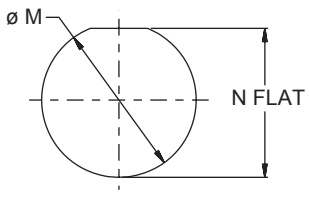
Series 800 Mighty Mouse, UN Mating Thread
PCB Receptacle with PC Tails or Solder Cups
800-012 and 800-040 Dimensions

Jam-nut mount receptacle - shell style 07





Dimensions						
Shell Size	Ø A	B Flat	C Flat	D Thread	Panel Cutout	
					Ø M +.005 (.13) -.000 (.00)	N Flat ±.002 (.05)
5	.541 (13.74)	.500 (12.70)	.285 (7.24)	.3125-28 UN-2A	.317 (8.05)	.297 (7.54)
6	.610 (15.49)	.562 (14.27)	.352 (8.94)	.3750-28 UN-2A	.380 (9.65)	.360 (9.14)
7	.670 (17.02)	.635 (16.13)	.411 (10.44)	.4375-28 UNEF-2A	.443 (11.25)	.426 (10.82)
8	.775 (19.68)	.735 (18.67)	.473 (12.01)	.5000-32 UN-2A	.505 (12.83)	.481 (12.22)
9	.875 (22.23)	.806 (20.47)	.530 (13.46)	.5625-32 UN-2A	.567 (14.40)	.539 (13.69)
10	.980 (24.89)	.940 (23.88)	.604 (15.34)	.6250-32 UN-2A	.630 (16.00)	.610 (15.49)
12	1.062 (26.97)	.986 (25.04)	.712 (18.08)	.7500-28 UN-2A	.755 (19.18)	.717 (18.21)



Jam-Nut Panel Cut Out

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