Series 800 Mighty Mouse, UN Mating Thread
PC Tail or Solder Cup, Hermetic Receptacle
800-013 How to Order

Compact, Rugged Series 800 hermetic receptacles feature 304L stainless steel shells and vitreous glass insulators. Contacts are gold-plated iron alloy. UN mating thread. Available with male pin contacts (contact Glenair for hermetic connectors with female socket contacts). 100% helium leak tested to meet 1 x 10^{-7} cc/second maximum leak rate. Contacts are factory-installed and are non-removable. Terminate to wires with solder cup versions, or choose PC tail versions for thru-hole soldering to rigid or flexible circuit boards. Available in all contact and insert arrangements between size 5 and 12.

C

How To Order						
Sample Part Number	**800-013**	**-02**	**Z1**	**6-7**	**P**	**N**
Series	**800-013** Hermetic Receptacle					
Shell Style (See Table I)	**02** = Square Flange **03** = Solder 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 C-2					
Contact Type	**P** = Pin, Solder Cup **S** = Socket, Solder Cup **C** = Pin, PC Tail **D** = Socket, PC Tail					
Shell Keyway Position	**N** = Normal **X** = Pos. X **Y** = Pos. Y **Z** = Pos. Z					

Table I: Shell Style

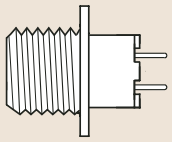
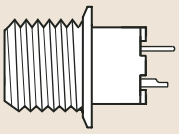
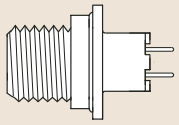
-02 Square Flange	-03 Solder Mount	-07 Jam-Nut
		

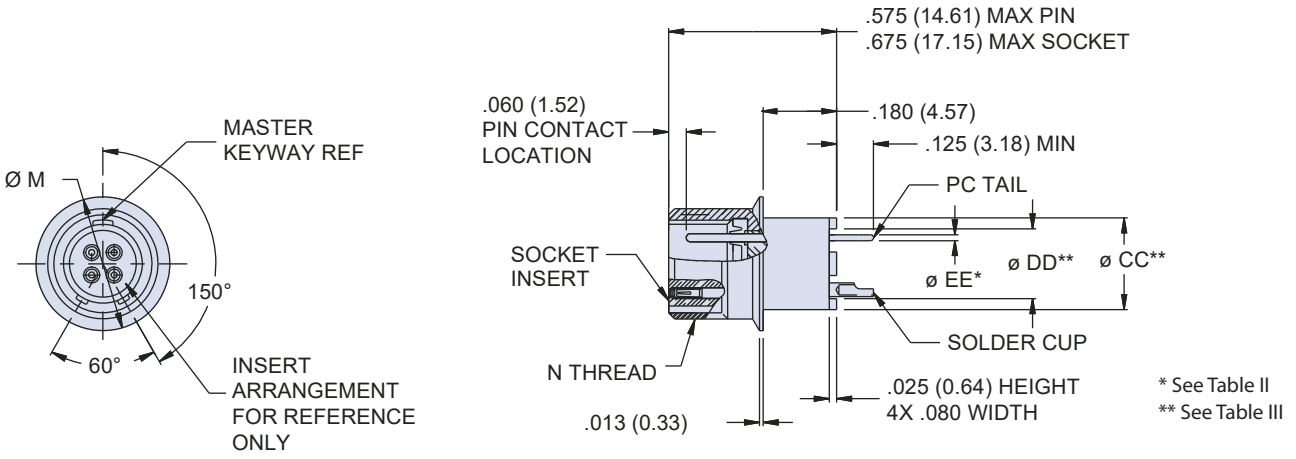
Table II: Contact Dimensions

Contact Size	Ø EE
23	.022/.018
20	.028/.024
16	.064/.060
12	.096/.092

Table III: CC and DD Dia.

Shell Size	Ø CC O.D.	Ø DD O.D.
5	.290 (7.37)	.197 (5.00)
6	.330 (8.38)	.256 (6.50)
7	.380 (9.65)	.325 (8.25)
8	.450 (11.43)	.390 (9.91)
9	.500 (12.70)	.452 (11.48)
10	.575 (14.60)	.520 (13.21)
12	.660 (16.76)	.610 (15.49)

Solder mount receptacle - shell style 03 - shell size 5 and 6



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

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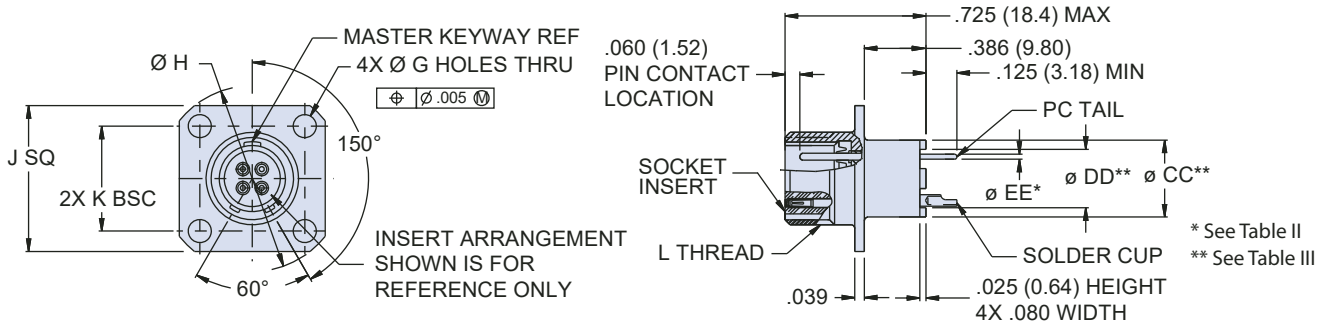
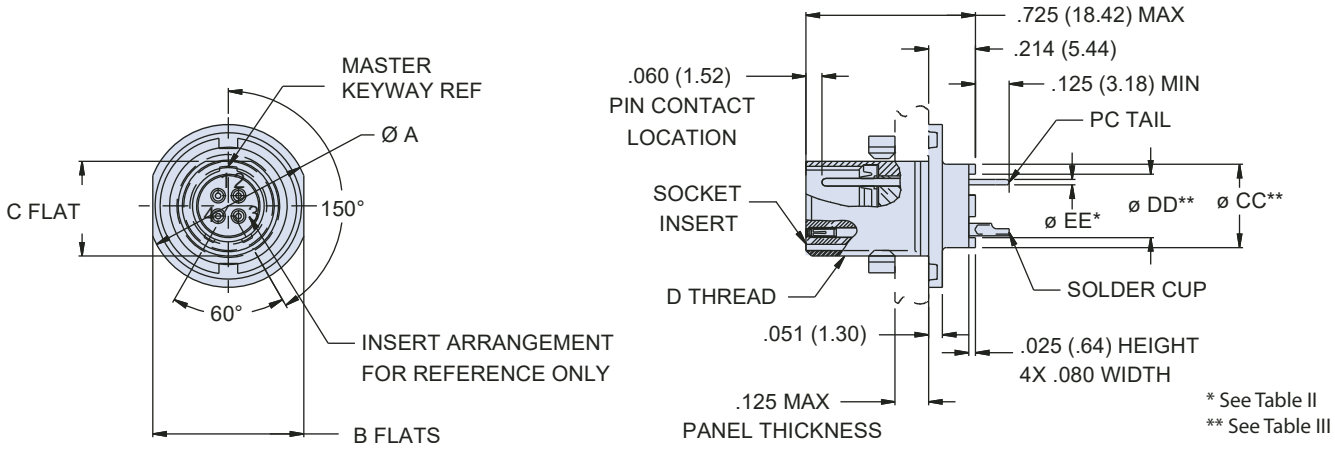
Square flange mount receptacle - shell style 02 - shell size 5 and 6



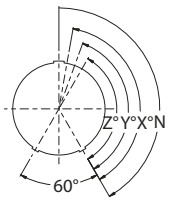
Jam nut mount receptacle - shell style 07 - shell size 5 and 6

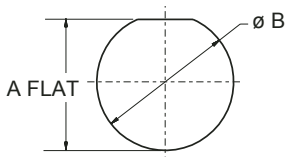


Solder Mount Dimensions		
Shell Size	Ø M	N Thread
5	.400 (10.16)	.3125-28 UN-2A
6	.455 (11.56)	.3750-28 UN-2A

Square Flange Dimension					
Shell Size	Ø G	Ø H	J Sq	K BSC	L Thread
5	.096 (2.44) .091 (2.31)	.680 (17.27)	.527 (13.39)	.363 (9.22)	.3125-28 UN-2A
6		.750 (19.05)	.588 (14.94)	.423 (10.74)	.3750-28 UN-2A

Jam-Nut Dimensions				
Shell Size	Ø A	B Flat	C Flat	D Thread
5	.541 (13.74)	.500 (12.70)	.285 (7.24)	.3125-28 UN-2A
6	.610 (15.49)	.562 (14.27)	.352 (8.94)	.3750-28 UN-2A

Master Key Positions, Shell Size 5-6		
	Position	
	N	150°
	X	140°
	Y	130°
	Z	120°

Jam-Nut Panel Cut Out		
		
Shell Size	Ø A	B Flat
5	.322 (8.18) .317 (8.05)	.299 (7.59) .295 (7.49)
6	.385 (9.78) .380 (9.65)	.362 (9.19) .358 (9.09)

Material / finish:

- Shell: CRES / see How to Order Table
- Jam-nut: CRES 303; see How to Order Table
- Contact: alloy 52 gold plate
- Socket: fluorosilicone / N.A.
- Seals: fluorosilicone / N.A.
- Insulator, hermetic: glass / N.A.
- Insulator, socket: high-grade dielectric / N.A.

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

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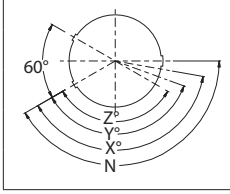
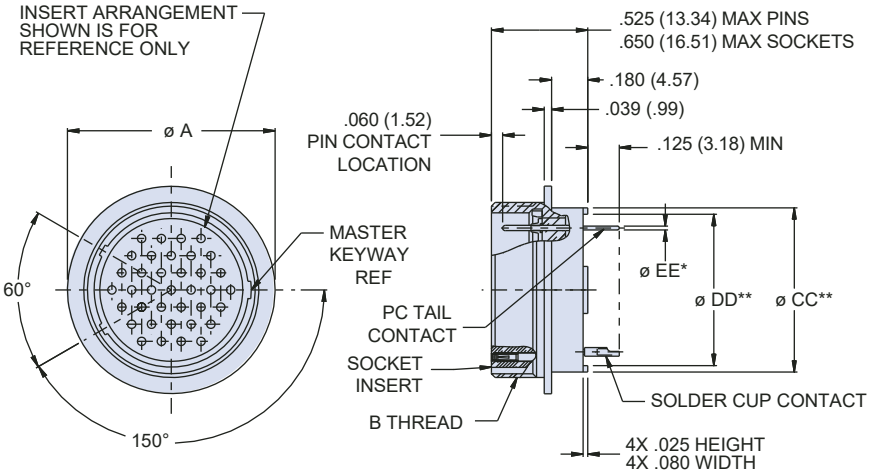
Series 800 Mighty Mouse, UN Mating Thread
PC Tail or Solder Cup, Hermetic Receptacle
800-013 Shell Size 7 thru 12 Dimensions

Solder mount, front panel mount receptacle - shell style 03 - shell size 7 thru 12

Master Key Positions, Shell Size 7-12		
	Position	
	N	150°
	X	140°
	Y	130°
	Z	120°



Square Flange Mount Dimensions		
Shell Size	Ø A	B Thread
7	.520 (13.21)	.4375-28 UNEF-2A
8	.650 (16.51)	.5000-32 UN-2A
9	.764 (19.41)	.5625-32 UN-2A
10	.775 (19.68)	.6250-32 UN-2A
12	.858 (21.79)	.7500-28 UN-2A



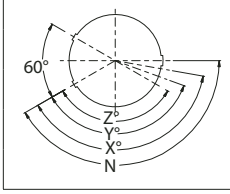
* See Table II
** See Table III

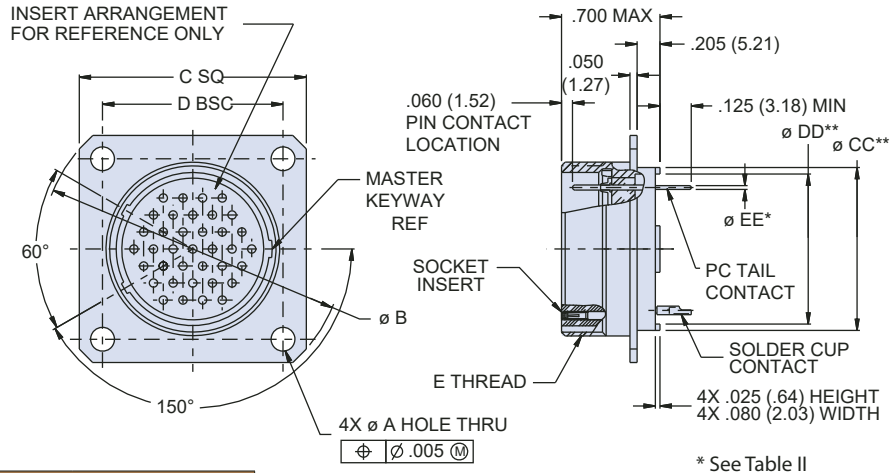
Material / finish:

- Shell: CRES / see How to Order Table
- Contacts: alloy 52 / gold plate
- Sockets: copper alloy / gold plate
- Seals: fluorosilicone / N.A.
- Insulator, hermetic: fused glass / N.A.
- Insulator, socket: high-grade dielectric / N.A.

Square flange, front panel mount receptacle - shell style 02 - shell size 7 thru 12

Master Key Positions, Shell Size 7-12		
	Position	
	N	150°
	X	140°
	Y	130°
	Z	120°





* See Table II
** See Table III

Solder Mount Dimensions					
Shell Size	Ø A	Ø B	C SQ	D BSC	E Thread
7	.096 (2.44) .091 (2.31)	.830 (21.08)	.650 (16.51)	.483 (12.27)	.4375-28 UNEF-2A
8		.935 (23.75)	.710 (18.03)	.542 (13.77)	.5000-32 UN-2A
9	.130 (3.30) .126 (3.20)	1.250 (31.75)	.938 (23.83)	.719 (18.26)	.5625-32 UN-2A
10		1.250 (31.75)	.938 (23.83)	.719 (18.26)	.6250-32 UN-2A
12		1.375 (34.92)	1.031 (26.19)	.812 (20.62)	.7500-28 UN-2A

Material / finish:

- Shell: CRES / see How to Order Table
- Contacts: alloy 52 / gold plate
- Socket: copper alloy / gold plate
- Seals: fluorosilicone / N.A.
- Insulator, hermetic: fused glass / N.A.
- Insulator, socket: high-grade dielectric / N.A.

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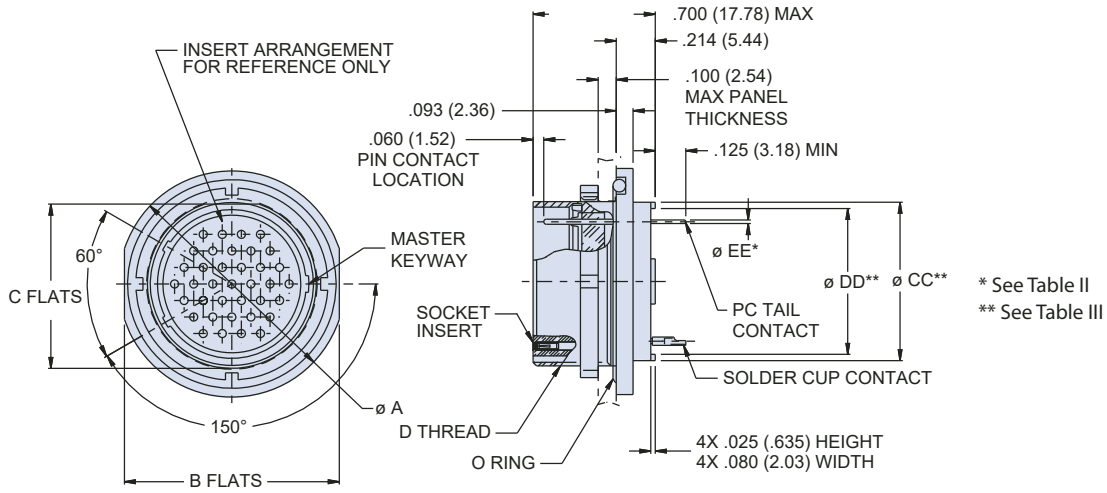
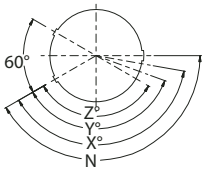
Jam-nut, rear panel mount receptacle - shell style 07 - shell size 7 thru 12

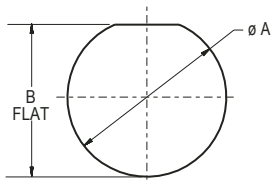


C

Keyway Positions, Shell Size 7-12		
	Position	
	N	150°
	X	140°
	Y	130°
	Z	120°

Jam-Nut Dimensions				
Shell Size	Ø A	B Flats	C Flats	D Thread
7	.670 (17.02)	.635 (16.13)	.411 (10.44)	.4375-28 UNEF-2A
8	.775 (19.68)	.735 (18.67)	.473 (12.01)	.5000-32 UN-2A
9	.875 (22.23)	.806 (20.47)	.530 (13.46)	.5625-32 UN-2A
10	.980 (24.89)	.940 (23.88)	.604 (15.34)	.6250-32 UN-2A
12	1.062 (26.97)	.986 (25.04)	.712 (18.08)	.7500-28 UN-2A

Jam-Nut Panel Cutouts



Shell Size	øA +.005 (.13) -.000 (.00)	B Flat ±.002 (.05)
7	.443 (11.25)	.426 (10.82)
8	.505 (12.83)	.481 (12.22)
9	.567 (14.40)	.539 (13.69)
10	.630 (16.00)	.612 (15.54)
12	.755 (19.18)	.719 (18.26)

Material / finish:

- Shell, jam-nut: CRES / see How to Order Table
- Contacts: alloy 52 / gold plate
- Sockets: copper alloy / gold plate
- Seals: fluorosilicone / N.A.
- Insulator, hermetic: fused glass / N.A.
- Insulator, socket: high-grade dielectric / N.A.

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