



Series 800 "Mighty Mouse" with UN Mating Thread Printed Circuit Board Receptacle Ordering Info 800-012-02 and 800-012-07



Series 800 Receptacles feature gold-plated straight PCB tails or solder cup contacts. Contacts are non-removable.

Epoxy Sealed to prevent water ingress in "open face" condition.

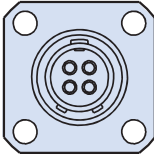
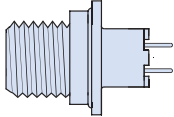
Two Shell Styles: jam nut with o-ring for rear panel mounting, or square flange.

Integral Standoffs allow clearance for washing.

Series 800 PCB Receptacle

HOW TO ORDER

Sample Part Number

800-012	-07	M	7-10	P	Z
Series	Shell Style	Shell Material / Finish	Shell Size- Insert Arrangement	Contact Type	Shell Key Position
800-012 PCB Receptacle, Vertical Mount	 -02 Square Flange  -07 Jam Nut	C Aluminum / Black Anodize (Non-Conductive) RoHS Compliant	No. of Contacts Arr. #23 #20 #16 #12 5-3 3 6-1 1 6-4 4 6-7 7 7-1 1 7-10 10 8-2 2 8-13 13 8-200 4 2 9-4 4 9-19 19 9-200 4 2 9-201 8 2 10-5 5 10-26 26 10-200 12 1 10-201 4 2 10-202 8 2 12-2 2 12-3 3 12-7 7 12-37 37 12-200 6 2 12-201 10 2	P Pin	N Normal
		M Aluminum / Electroless Nickel RoHS Compliant		S Socket	X Pos. X
		NF Aluminum / Cadmium with Olive Drab Chromate		E Pin, Solder Cup	Y Pos. Y
		ZN Aluminum / Zinc-Nickel with Olive Drab Chromate		F Socket, Solder Cup	Z Pos. Z
		UCR Aluminum / Zinc-Cobalt with Black Chromate RoHS Compliant			
		ZNU Aluminum / Zinc-Nickel with Black Chromate			
		MT Aluminum / Nickel-PTFE RoHS Compliant			
		Z1 Stainless Steel / Passivated RoHS Compliant			

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

CAGE Code 06324

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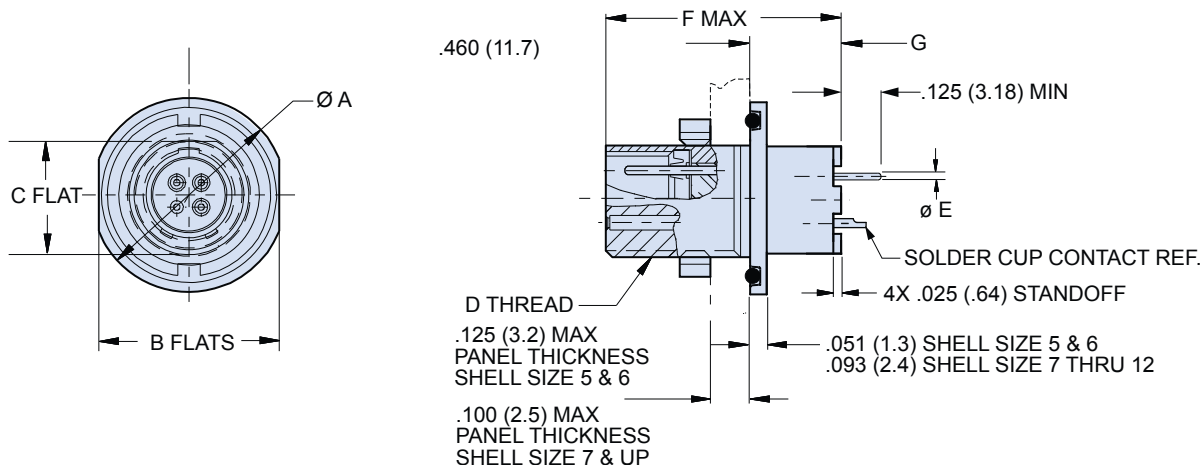
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Rev. 01-FEB-2009

Series 800 "Mighty Mouse" with UN Mating Thread Printed Circuit Board Receptacle Dimensions Jam Nut Receptacle 800-012-07



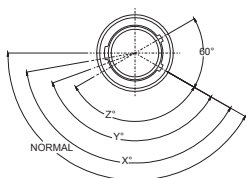
Series 800



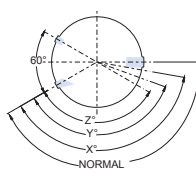
DIMENSIONS

Shell Size	$\varnothing A$		$\varnothing B$		C		D Threads Mating	$\varnothing E$ Tail Dia.	F Max		G	
	In.	mm.	In.	mm.	In.	mm.			In.	mm.	In.	mm.
5	.541	13.74	.500	12.70	.285	7.24	.3125-28 UN-2A	#23	.725	18.42	.247	6.27
6	.610	15.49	.562	14.27	.352	8.94	.3750-28 UN-2A	.018/.022 (0.46/0.56)	.725	18.42	.247	6.27
7	.670	17.02	.635	16.13	.411	10.44	.4375-28 UNEF-2A	#20	.700	17.78	.205	5.21
8	.775	19.69	.735	18.67	.473	12.01	.5000-32 UN-2A	.024/.028 (0.61/0.71)	.700	17.78	.205	5.21
9	.875	22.23	.806	20.47	.530	13.46	.5625-32 UN-2A	#16	.700	17.78	.205	5.21
10	.980	24.89	.940	23.88	.604	15.34	.6250-32 UN-2A	.060/.064 (1.52/1.63)	.700	17.78	.205	5.21
12	1.062	26.97	.986	25.04	.712	18.08	.7500-28 UN-2A	#12	.700	17.78	.205	5.21
								.092/.096 (2.34/2.44)	.700	17.78	.205	5.21

SERIES 800 KEY POSITIONS



Plug



Receptacle

Key Position

Normal (N)

X

Y

Z

Key Rotation

150°

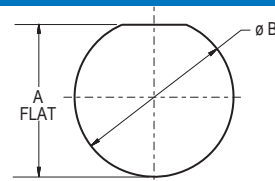
140°

130°

120°

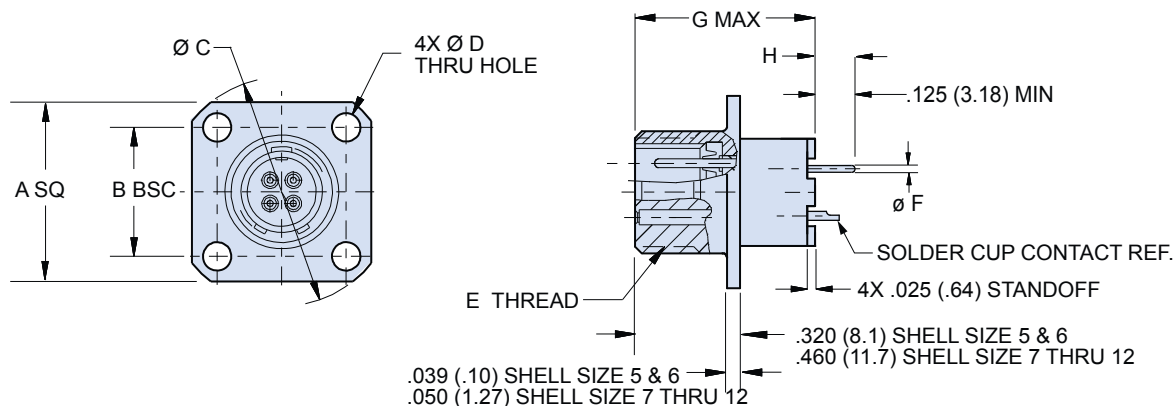
Shell size 5 and 6: master key is located at top dead center for normal (N) position. Shell size 7 thru 12: master key is rotated 90° from TDC for normal position.

SERIES 800 PANEL CUTOUTS



Shell Size	A Flat		$\varnothing B$	
	In.	mm.	In.	mm.
5	.302 / .298	7.67 / 7.57	.318	8.08
6	.365 / .361	9.27 / 9.17	.386	9.80
7	.424 / .420	10.77 / 10.67	.449	11.40
8	.486 / .482	12.34 / 12.24	.510	12.95
9	.543 / .539	13.79 / 13.69	.574	14.58
10	.617 / .613	15.67 / 15.57	.635	16.12
12	.725 / .721	18.42 / 18.31	.760	19.30

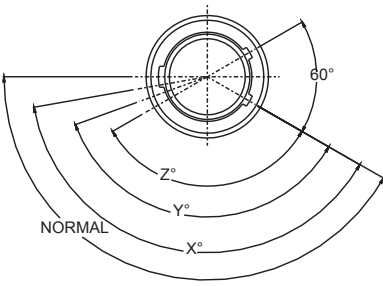
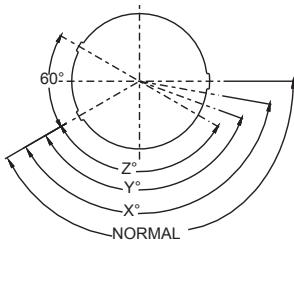
Series 800 "Mighty Mouse" with UN Mating Thread Printed Circuit Board Receptacle Dimensions Square Flange Receptacle 800-012-02



DIMENSIONS

Shell Size	A SQ		B		Ø C		Ø D		E Threads Mating	Ø F Tail Dia.	G Max		H	
	In.	mm.	In.	mm.	In.	mm.	± .005	± 0.13			In.	mm.	In.	mm.
5	.527	13.39	.363	9.22	.680	17.27	.094	2.39	.3125-28 UN-2A	#23	.725	18.42	.426	10.82
6	.588	14.92	.423	10.74	.750	19.05	.094	2.39	.3750-28 UN-2A	.018/.022 (0.46/0.56)	.725	18.42	.426	10.82
7	.650	16.51	.483	12.27	.830	21.08	.128	3.25	.4375-28 UNEF-2A	#20	.700	17.78	.255	6.48
8	.710	18.03	.542	13.77	.938	23.83	.128	3.25	.5000-32 UN-2A	.024/.028 (0.61/0.71)	.700	17.78	.255	6.48
9	.938	23.83	.719	18.26	1.250	31.75	.128	3.25	.5625-32 UN-2A	#16	.700	17.78	.255	6.48
10	.938	23.83	.719	18.26	1.250	31.75	.128	3.25	.6250-32 UN-2A	.060/.064 (1.52/1.63)	.700	17.78	.255	6.48
12	1.031	26.19	.812	20.62	1.375	34.93	.128	3.25	.7500-28 UN-2A	#12	.700	17.78	.255	6.48

SERIES 800 KEY POSITIONS

Key Position	Key Rotation		
Normal (N)	150°		
X	140°		
Y	130°		
Z	120°		
Shell size 5 and 6: master key is located at top dead center for normal (N) position. Shell size 7 thru 12: master key is rotated 90° from TDC.		Plug Key Position	Receptacle Key Position

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

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