



800-013

Series 800 Mighty Mouse Hermetic Receptacles with UN Mating Thread How to Order Information



C

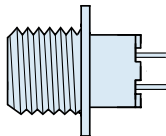
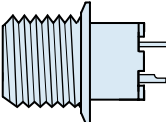
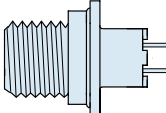
Series 800 Hermetic Receptacles feature 304L stainless steel shells, fused vitreous glass insulators and Alloy 52 iron alloy contacts.

1 X 10⁻⁷ cc/second maximum helium leak rate.

Three Shell Styles: solder mount, jam nut or square flange.

Solder Cup Contacts for wire attachment, or **PC Tail Contacts** for attachment to flexible or rigid circuits.

Series 800 Hermetic

HOW TO ORDER					
Sample Part Number					
800-013	-07	Z1	7-10	P	Z
Series	Shell Style	Shell Material / Finish	Shell Size- Insert Arrangement	Contact Type	Shell Key Position
800-013 Hermetic Receptacle	 -02 Square Flange	Z1 Stainless Steel / Passivated ZL Stainless Steel / Nickel Plated	See Page C-4 for Contact Arrangements	P Pin, Solder Cup	N Normal
	 -03 Solder Mount	*Titanium and Inconel® shell materials are available. Consult factory for ordering information.		C Pin, PC Tail	X Pos. X
	 -07 Jam Nut			S Socket, Solder Cup D Sockets, PC Tail	Y Pos. Y Z Pos. Z

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

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**Series 800 Mighty Mouse Hermetic Receptacles
with UN Mating Thread
Torque Values and Panel Cutouts**



Series 800
Mighty Mouse

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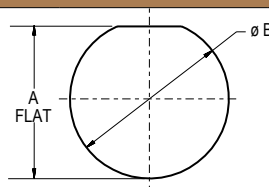
SERIES 800 RECOMMENDED TORQUE VALUES

Shell Size	Coupling Torque				Jam Nut				Backshell			
	In-Lbs.		N-m		In-Lbs.		N-m		In-Lbs.		N-m	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
5	13	17	1.5	1.9	20	25	2.2	2.8	13	17	1.5	1.9
6	18	22	2.0	2.5	20	25	2.2	2.8	18	22	2.0	2.5
7	20	25	2.3	2.8	20	25	2.2	2.8	30	40	3.4	4.5
8	30	40	3.4	4.5	20	25	2.2	2.8	30	40	3.4	4.5
9	30	40	3.4	4.5	25	30	2.8	3.3	35	45	4.0	5.1
10	35	45	4.0	5.1	25	30	2.8	3.3	35	45	4.0	5.1
12	35	45	4.0	5.1	25	30	2.8	3.3	35	45	4.0	5.1

HERMETIC LEAK RATE MOD CODES

Designator	Required Leak Rate
-585A	1 x 10 ⁻¹⁰ cc Helium per second
-585B	1 x 10 ⁻⁹ cc Helium per second
-585C	1 x 10 ⁻⁸ cc Helium per second

SERIES 800 PANEL CUTOUTS



Shell Size	A Flat		øB	
	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

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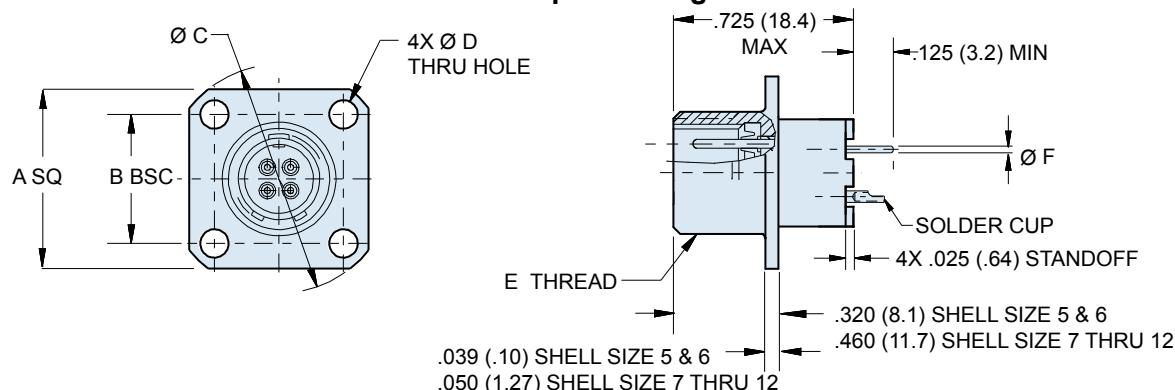
800-013-02 and 800-013-03

Series 800 Mighty Mouse Hermetic Receptacles

Square Flange Mount with UN Mating Thread

Connector Dimensions

800-013-02 Square Flange Dimensions



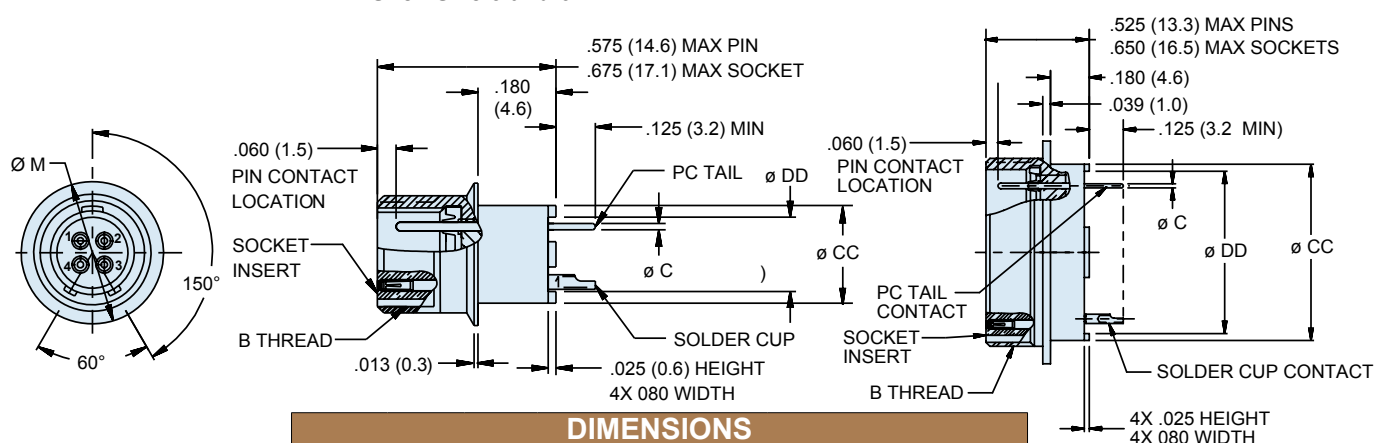
800-013-02 SQUARE FLANGE HERMETIC RECEPTACLE DIMENSIONS

Shell Size	A SQ		B BSC		Ø C		Ø D		E Threads Mating	Ø F PC TAIL DIA. ± .002 (0.05)
	In.	mm.	In.	mm.	In.	mm.	In. ± .005	mm. ± 0.13		
5	.527	13.39	.363	9.22	.680	17.27	.094	2.39	.3125-28 UN-2A	Size #23 .020 (0.51) Size #20 .026 (0.66) Size #16 .062 (1.57) Size #12 .094 (2.34)
6	.588	14.92	.423	10.74	.750	19.05	.096	2.44	.5000-32 UN-2A	
7	.650	16.51	.483	12.27	.830	21.08	.091	2.31	.4375-28 UNEF-2A	
8	.710	18.03	.542	13.77	.938	23.83	.130	3.30	.5000-32 UN-2A	
9	.938	23.83	.719	18.26	1.250	31.75			.5625-32 UN-2A	
10	.938	23.83	.719	18.26	1.250	31.75			.6250-32 UN-2A	
12	1.031	26.19	.812	20.62	1.375	34.93			.7500-28 UN-2A	

800-013-03 Solder Mount Dimensions

Shell Size 5 and 6

Shell Size 7 thru 12



DIMENSIONS

Shell Size	Ø A		B Threads	Ø C PC TAIL DIA. ± .002 (0.05)
	In.	mm.		
5	.400	10.16	.3125-28 UN-2A	Size #22 .020 (0.51) Size #20 .026 (0.66) Size #16 .062 (1.57) Size #12 .094 (2.34)
6	.455	11.56	.3750-28 UN-2A	
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	19.69	.6250-32 UN-2A	
12	.858	21.79	.7500-28 UN-2A	

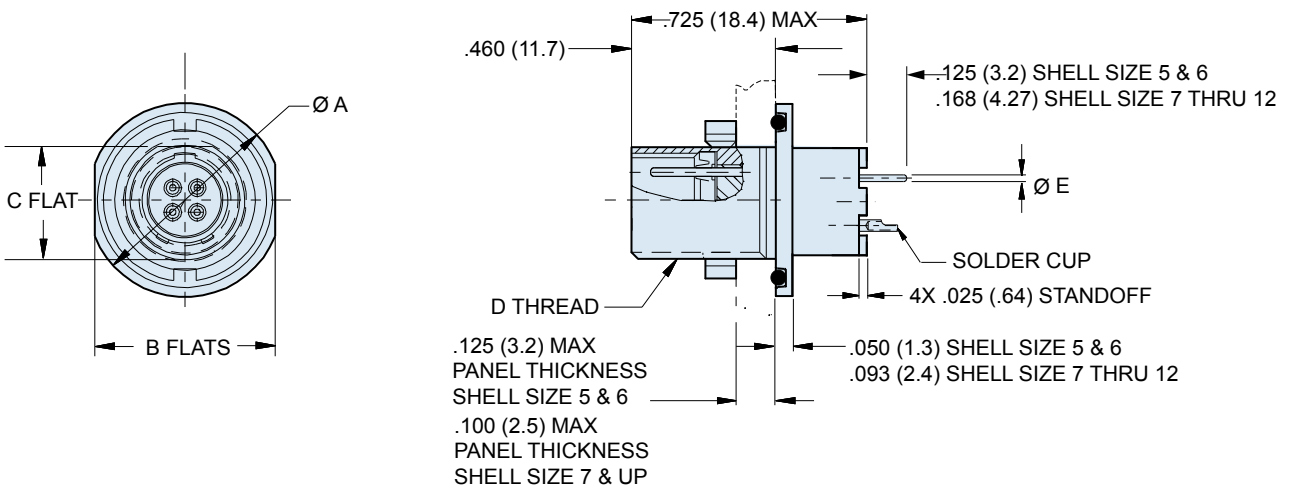
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800-013-07

Series 800 Mighty Mouse Hermetic Receptacles
Jam Nut Mount with UN Mating Thread
Hermetic Connector Dimensions



Series 800
Mighty Mouse

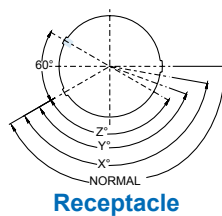
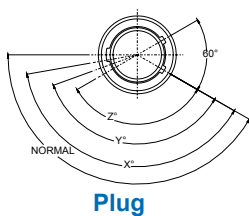


C

DIMENSIONS

Shell Size	Ø A		B FLATS		C		D Threads Mating	Ø E PC TAIL DIA. ± .002 (0.05)
	In.	mm.	In.	mm.	In.	mm.		
5	.541	13.74	.500	12.70	.285	7.24	.3125-28 UN-2A	Size #23 .020 (0.51) Size #20 .026 (0.66) Size #16 .062 (1.57) Size #12 .094 (2.34)
6	.610	15.49	.562	14.27	.352	8.94	.3750-28 UN-2A	
7	.670	17.02	.635	16.13	.411	10.44	.4375-28 UNEF-2A	
8	.775	19.69	.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	

SERIES 800 KEY POSITIONS



Key Position

Key Rotation

Normal (N)

150°

X

140°

Y

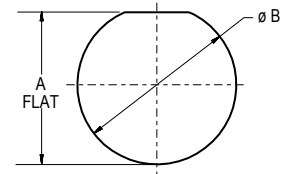
130°

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.

SERIES 800 PANEL CUTOUTS



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