

SECTION C SERIES 800 PRODUCT SELECTION GUIDE

Plugs

Page C-5

800-006, 800-007,
800-008, 800-009



Series 800 Plugs

Available with hex shaped or round, knurled coupling nuts. The integral shield termination platform accepts heat-shrink boots (ordered separately), or select accessory threads for use with a variety of strain relief and backshell accessory options.

Crimp Receptacles

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800-010, 800-011



Series 800 Receptacles for Insulated Wire

Jam nut, square flange and in-line versions make it easy to find a style for every application. The integral shield termination platform accepts heat-shrink boots (ordered separately), or select accessory threads for use with a variety of strain relief and backshell accessory options. Contacts are crimp-type and are packaged with the connector.

Solder Cup/PCB Receptacles

Page C-11

800-012, 800-040



Series 800 Receptacles With Solder Cup or PCB Termination

These panel mount connectors feature gold plated, factory-installed non-removable contacts. Choose printed circuit terminals for attachment to flex circuits or rigid boards, or choose solder cup contacts. Connectors are potted with epoxy for general purpose applications, or choose silicone-sealed, leak-tested versions for 1 meter water immersion.

Right Angle PCB Headers

Page C-14

800-032



Right Angle PCB Receptacles

Supplied with factory-installed, non-removable PC tail contacts for attachment to rigid boards or flex circuits. Epoxy-sealed. Includes threaded inserts for attachment to PC board.

Hermetic Receptacles

Page C-18

800-013



Series 800 Hermetic Receptacles

Need a miniaturized hermetic for a sealed box or instrument? These stainless steel, glass-sealed connectors are available with solder cup or PC tail contacts. Choose jam nut, square flange or solder mount versions. Contacts are gold plated iron alloy. 100% tested to meet 1×10^{-6} cc/sec helium leakage. Open face pressure rating 1000 PSI.

Cordsets

Page C-21

800-034, 800-041,
800-038, 800-039



Series 800 Cordsets

Specify overmolded cordsets for optimum convenience and performance. Select standard polyurethane-jacketed cable for general purpose applications, or choose low-smoke, zero halogen polyurethane for applications where toxic combustion products are restricted.

Protective Covers

Page C-25

667-184, 667-185



Series 800 Protective Covers

Thread-on metal covers provide a watertight seal and prevent damage. Select nylon cord or wire rope lanyards with a range of ring terminal diameters to fit just about any need.

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

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E-Mail: sales@glenair.com

01-JANUARY-2010

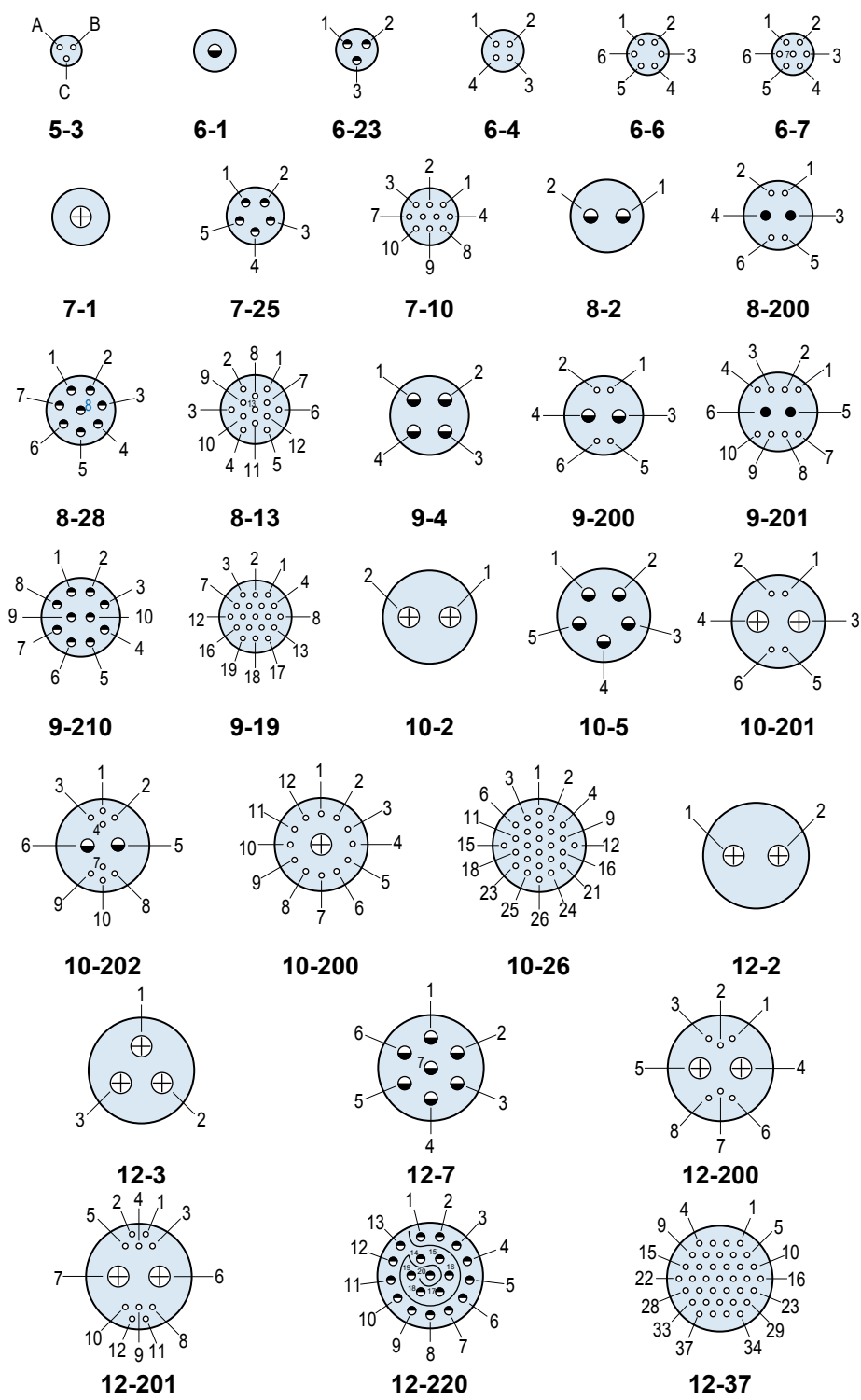


Series 800 Mighty Mouse with UN Mating Thread Contact Arrangements

CONTACT ARRANGEMENTS

Contact Arr.	No. of Contacts				
	#23	#20	#20HD	#16	#12
5-3	3				
6-1				1	
6-23			3		
6-4	4				
6-6	6				
6-7	7				
7-1					1
7-25			5		
7-10	10				
8-2				2	
8-28			8		
8-13	13				
8-200	4	2			
9-4				4	
9-210			10		
9-19	19				
9-200	4			2	
9-201	8	2			
10-2					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	
12-220			20		
12-37	37				
12-200	6				2
12-201	10				2

Mating Face View of Pin Connector (socket connector numbers are reversed)



Contact Legend
 #23 ◯ #20HD ◯ #20 ● #16 ⊕ #12 ⊕

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

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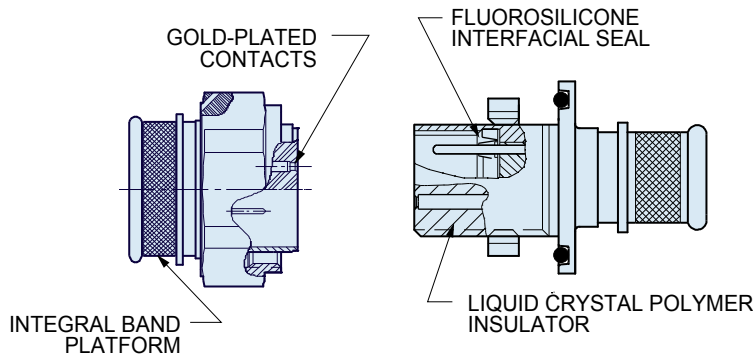
www.glenair.com

C-2

E-Mail: sales@glenair.com

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Series 800 Mighty Mouse with UN Mating Thread General Information



- Threaded Coupling Mechanism
- Crimp Rear Release Contacts
- Integral Band Platform
- Available with Size #12, #16, #20, #20HD and #23 Contacts
- Environmentally Sealed

Glenair's Original Mighty Mouse Offers Environmental Sealing and Rugged Design in a Lightweight, Ultraminiature Package

Series 800 connectors are intended for light and medium duty applications where size, weight and cost outweigh the need for heavier-duty Series 80 connectors. Terminate shielded cable directly to the integral band platform for excellent EMI protection. Originally used for aerospace sensors, these Series 800 connectors have proven to be a good solution for small form factor tactical equipment including keyboards, radios, ruggedized RPDA's and other dismounted soldier equipment. These connectors meet the requirements of MIL-STD-810 for immersion, vibration, sand and dust, shock, and corrosion resistance.



SPECIFICATIONS	
Current Rating	#23 5 A., #20 7.5 A., #16 13 A., #12 23 A.
Dielectric Withstanding Voltage	#23 500 VAC RMS, #20HD 750 VAC, #12 and #16 1800 VAC
Insulation Resistance	5000 megohms minimum
Operating Temperature	-55° C. to +150° C.
Shock	300 g.
Vibration	37 g.
Shielding Effectiveness	55 dB minimum from 100MHz to 1000MHz.
Durability	2000 mating cycles

MATERIALS AND FINISHES	
Shells, Jam Nuts	Aluminum alloy or stainless steel
Contacts	Copper alloy, 50 µinch gold plated
Insulators	Liquid crystal polymer (LCP)
Contact Retention Clip	Beryllium copper alloy
Interfacial Seal, O-rings, Wire Sealing Grommet	Fluorosilicone rubber

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

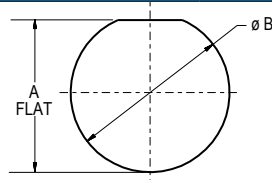
Series 800 Mighty Mouse with UN Mating Thread Connector Weights and Panel Cutouts

CONNECTOR WEIGHTS

Maximum Weight In Grams

Layout	Cable Plug	J/N Recep	
		Crimp Contacts	PCB Contacts
5-3P	3.6	2.5	2.5
5-3S	3.7	2.6	2.6
6-1P	4.3	3.2	3.2
6-1S	4.4	3.3	3.3
6-4P	4.8	3.7	3.9
6-4S	5.2	4.0	3.7
6-7P	4.8	3.6	3.7
6-7S	4.7	4.0	3.9
7-1P	5.7	4.7	4.4
7-1S	5.9	5.0	4.5
7-10P	6.9	5.7	5.1
7-10S	7.4	6.2	5.4
8-2P	7.4	6.2	6.2
8-2S	8.1	6.9	6.9
8-13P	6.7	5.5	5.5
8-13S	7.2	5.9	5.9
8-200P	7.7	6.5	6.5
8-200S	8.4	7.2	7.2
9-4P	8.7	7.4	6.7
9-4S	8.8	7.6	6.8
9-19P	10.5	9.2	7.7
9-19S	11.2	9.6	7.9
9-200P	8.3	6.8	6.2
9-200S	9.4	7.9	7.3
9-201P	8.4	6.9	6.3
9-201S	9.5	8.0	7.4
10-5P	9.7	9.9	12.2
10-5S	11.1	11.3	13.6
10-26P	7.9	8.1	10.5
10-26S	8.6	8.4	9.9
10-200P	8.8	9.0	11.3
10-200S	10.3	10.6	12.8
10-201P	9.1	9.4	11.7
10-201S	10.7	10.9	13.2
10-202P	8.8	9.0	11.2
10-202S	10.2	10.5	12.8
12-2P	10.5	10.1	11.6
12-2S	10.6	10.2	11.7
12-3P	10.7	10.3	11.8
12-3S	10.8	10.5	11.9
12-7P	14.3	13.8	15.3
12-7S	16.9	16.5	17.9
12-37P	12.5	12.1	13.5
12-37S	16.1	13.6	14.9
12-200P	13.2	12.8	14.2
12-200S	15.5	15.1	16.5
12-201P	13.3	12.9	14.3
12-201S	15.7	15.3	16.7

SERIES 800 PANEL CUTOUTS



Shell Size	A Flat		øB	
	In.	mm.	In.	mm.
5	.295/.299	7.49/7.59	.317/.327	8.05/8.30
6	.358/.362	9.09/9.19	.380/.390	9.65/9.91
7	.424/.428	10.77/10.87	.442/.452	11.23/11.48
8	.479/.483	12.16/12.26	.505/.515	12.83/13.08
9	.537/.541	13.64/13.74	.567/.577	14.40/14.66
10	.610/.614	15.49/15.59	.630/.640	16.00/16.26
12	.717/.721	18.21/18.31	.755/.765	19.18/19.43

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

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

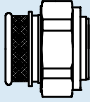
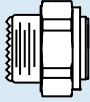
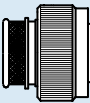
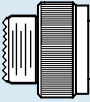
Series 800 Mighty Mouse with UN Mating Thread Plug Connector Ordering Information

800-006 Thru 800-009



Series 800 Plug Connector

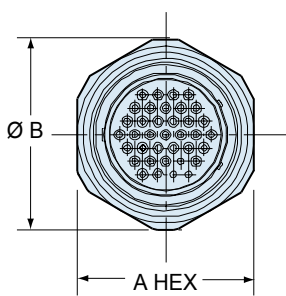
Glenair's smallest Mighty Mouse connector has compact size and rugged design for hostile environments. UN mating thread. Connector shells are machined aluminum or stainless steel. Supplied with crimp contacts, packaged separately. Terminate contacts with standard M2520 tools. Metal clips inside the connector body lock contact into place. Contacts are removable. Fluorosilicone seals and rear grommet protect connector from water ingress. Choose hex or knurled coupling nut. Terminate cable shield directly to connector body with BAND-IT strap, or choose rear accessory thread to attach optional cable clamp or backshell. Available in shell sizes 5 through 12 in 31 contact arrangements.

HOW TO ORDER					
Sample Part Number					
800-006	-06	M	7-10	P	Z
Series	Shell Style	Shell Material / Finish	Shell Size- Insert Arrangement	Contact Type	Shell Key Position
 800-006 Hex Plug with Banding Platform	-06 Standard Coupling Nut -16 Coupling Nut with Anti-Decoupling Wave Spring	C Aluminum / Black Anodize (Non-Conductive) RoHS Compliant	SEE CONTACT ARRANGEMENTS PAGE C-2	Connector supplied with contacts P Pin S Socket	N Normal X Pos. X Y Pos. Y
		M Aluminum / Electroless Nickel RoHS Compliant		Connector supplied without contacts A Pin Connector, less contacts B Socket Connector, less contacts	Z Pos. Z
		NF Aluminum / Cadmium with Olive Drab Chromate			
		ZN Aluminum / Zinc-Nickel with Olive Drab Chromate			
 800-007 Hex Plug with Accessory Thread		ZNU Aluminum / Zinc-Nickel with Black Chromate		Connectors with contacts are supplied with signal and/or power crimp contacts. These contacts are not installed. Coaxial contacts and non-standard signal contacts are ordered separately.	
 800-008 Knurled Round Plug with Band Platform		MT Aluminum / Nickel-PTFE RoHS Compliant			
 800-009 Knurled Round Plug with Accessory Thread		Z1 Stainless Steel / Passivated RoHS Compliant			

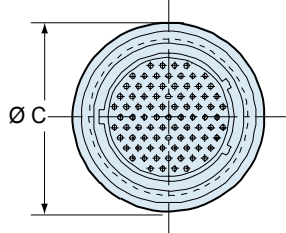
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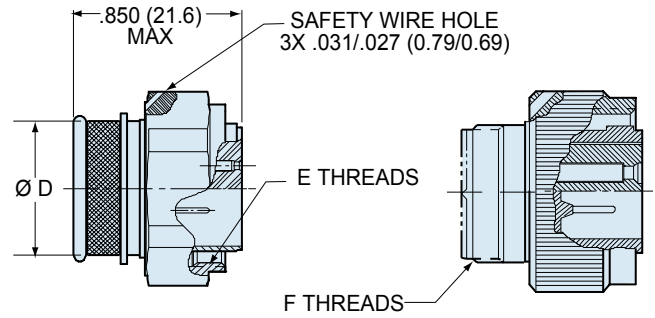
Series 800 Mighty Mouse with UN Mating Thread Plug Connector Dimensions 800-006 Thru 800-009



Hex Coupling Nut
800-006
800-007



Round Knurled Coupling Nut
800-008
800-009



Integral Band Platform
800-006
800-008

Accessory Threads
800-007
800-009

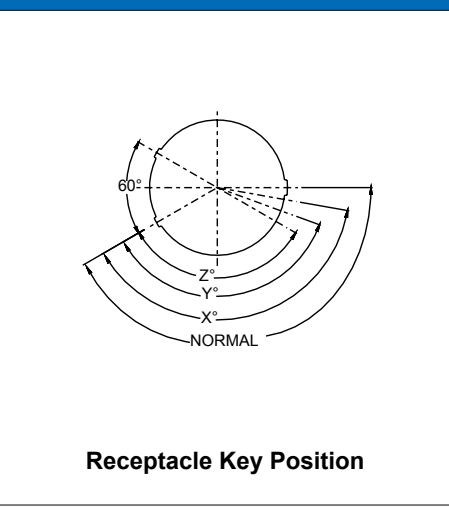
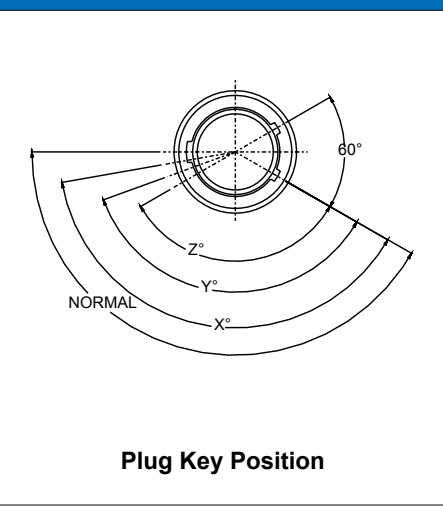
DIMENSIONS

Shell Size	A Hex Style 06		A Hex Style 16		Ø B Style 06		Ø B Style 16		Ø C Style 06		Ø C Style 16		Ø D		E Threads Coupling Nut	F Threads Accessory
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.		
5	.430	10.92	.495	12.57	.470	11.94	.540	13.72	.430	10.92	.490	12.45	.230	5.84	.3125-28 UN-2B	.250-32 UNEF-2A
6	.500	12.70	.563	14.30	.550	13.97	.620	15.75	.500	12.70	.560	14.22	.286	7.26	.3750-28 UN-2B	.3125-32 UNEF-2A
7	.625	15.88	.720	18.29	.680	17.27	.800	20.32	.620	15.75	.680	17.27	.390	9.91	.4375-28 UNEF-2B	.4375-28 UNEF-2A
8	.680	17.27	.743	18.87	.750	19.05	.830	21.08	.680	17.27	.750	19.05	.445	11.30	.5000-32 UN-2B	.5000-28 UNEF-2A
9	.750	19.05	.813	20.65	.830	21.08	.890	22.61	.750	19.05	.810	20.57	.500	12.70	.5625-32 UN-2B	.5625-24 UNEF-2A
10	.812	20.62	.875	22.23	.900	22.86	.960	24.38	.810	20.57	.880	23.35	.565	14.35	.6250-32 UN-2B	.6250-24 UNEF-2A
12	.875	22.23	.938	23.83	.970	24.64	1.030	26.16	.880	22.35	.940	23.88	.650	16.51	.7500-28 UN-2B	.6875-24 UNEF-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 for normal position.



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

Series 800 Mighty Mouse with UN Mating Thread Crimp Receptacle Ordering Information

800-010 and 800-011



In-Line



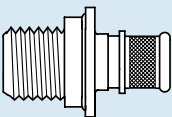
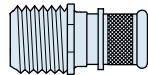
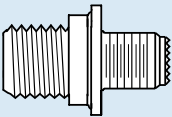
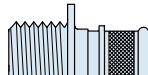
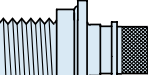
Rear Panel Jam Nut



Square Flange

Integral Band Platform for direct attachment of a cable shield using a **BAND-IT®** strap. Install a boot, or overmold onto the band platform. An accessory thread is available for attaching strain reliefs and backshells.

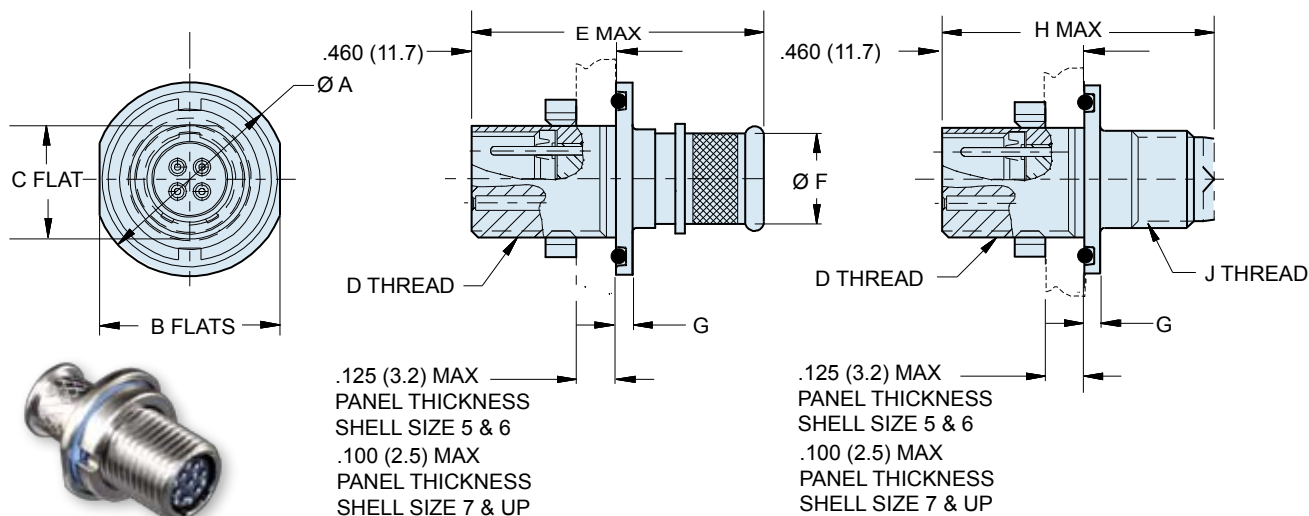
Three Shell Options: Jam nut with o-ring for rear panel mounting, square flange or in-line receptacle for free-hanging cables.

HOW TO ORDER					
Sample Part Number					
800-011	-01	M	6-4	P	N
Series	Shell Style	Shell Material / Finish	Shell Size- Insert Arrangement	Contact Type	Shell Key Position
 800-010 Receptacle with Banding Platform	 -01 In-Line	C Aluminum / Black Anodize (Non-Conductive) RoHS Compliant	SEE CONTACT ARRANGEMENTS PAGE C-2	Connector supplied with contacts P Pin	N Normal
		M Aluminum / Electroless Nickel RoHS Compliant		S Socket	X Pos. X
 800-011 Receptacle with Accessory Thread	 -02 Square Flange for Front or Rear Mounting	NF Aluminum / Cadmium with Olive Drab Chromate		Connector supplied without contacts A Pin Connector, less contacts	Y Pos. Y
		ZN Aluminum / Zinc-Nickel with Olive Drab Chromate		B Socket Connector, less contacts	Z Pos. Z
	 -07 Jam Nut for Rear Panel Mounting	ZNU Aluminum / Zinc-Nickel with Black Chromate	Connectors with contacts are supplied with signal and/or power crimp contacts. These contacts are not installed. Coaxial contacts and non-standard signal contacts are ordered separately.		
		MT Aluminum / Nickel-PTFE RoHS Compliant			
		Z1 Stainless Steel / Passivated RoHS Compliant			

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

Integral Band Platform 800-010-07

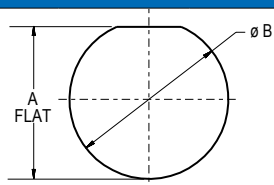
Accessory Thread 800-011-07



DIMENSIONS

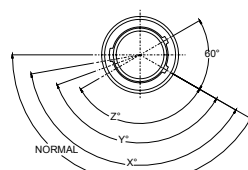
Shell Size	Ø A		B		C		D Threads Mating	E Max.		Ø F		Ø G		H Max.		J Threads Accessory
	In.	mm.	In.	mm.	In.	mm.		In.	mm.	In.	mm.	In.	mm.	In.	mm.	
5	.541	13.74	.500	12.70	.285	7.24	.3125-28 UN-2A	.875	22.22	.230	5.84	.051	1.30	.850	21.59	.250-32 UNEF-2A
6	.610	15.49	.562	14.27	.352	8.94	.3750-28 UN-2A	.875	22.22	.286	7.26	.051	1.30	.850	21.59	.3125-32 UNEF-2A
7	.670	17.02	.635	16.13	.411	10.44	.4375-28 UNEF-2A	.875	22.22	.390	9.91	.093	2.36	.850	21.59	.4375-28 UNEF-2A
8	.775	19.69	.735	18.67	.473	12.01	.5000-32 UN-2A	.875	22.22	.445	11.30	.093	2.36	.850	21.59	.5000-28 UNEF-2A
9	.875	22.23	.806	20.47	.530	13.46	.5625-32 UN-2A	.875	22.22	.500	12.70	.093	2.36	.850	21.59	.5625-24 UNEF-2A
10	.980	24.89	.940	23.88	.604	15.34	.6250-32 UN-2A	.875	22.22	.565	14.35	.093	2.36	.850	21.59	.6250-24 UNEF-2A
12	1.062	26.97	.986	25.04	.712	18.08	.7500-28 UN-2A	.875	22.22	.650	16.51	.093	2.36	.850	21.59	.6875-24 UNEF-2A

SERIES 800 PANEL CUTOUTS

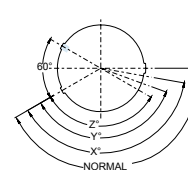


Shell Size	A Flat		Ø B	
	In.	mm.	In.	mm.
5	.295/.299	7.49/7.59	.317/.327	8.05/8.30
6	.358/.362	9.09/9.19	.380/.390	9.65/9.91
7	.424/.428	10.77/10.87	.442/.452	11.23/11.48
8	.479/.483	12.16/12.26	.505/.515	12.83/13.08
9	.537/.541	13.64/13.74	.567/.577	14.40/14.66
10	.610/.614	15.49/15.59	.630/.640	16.00/16.26
12	.717/.721	18.21/18.31	.755/.765	19.18/19.43

SERIES 800 KEY POSITIONS



Plug



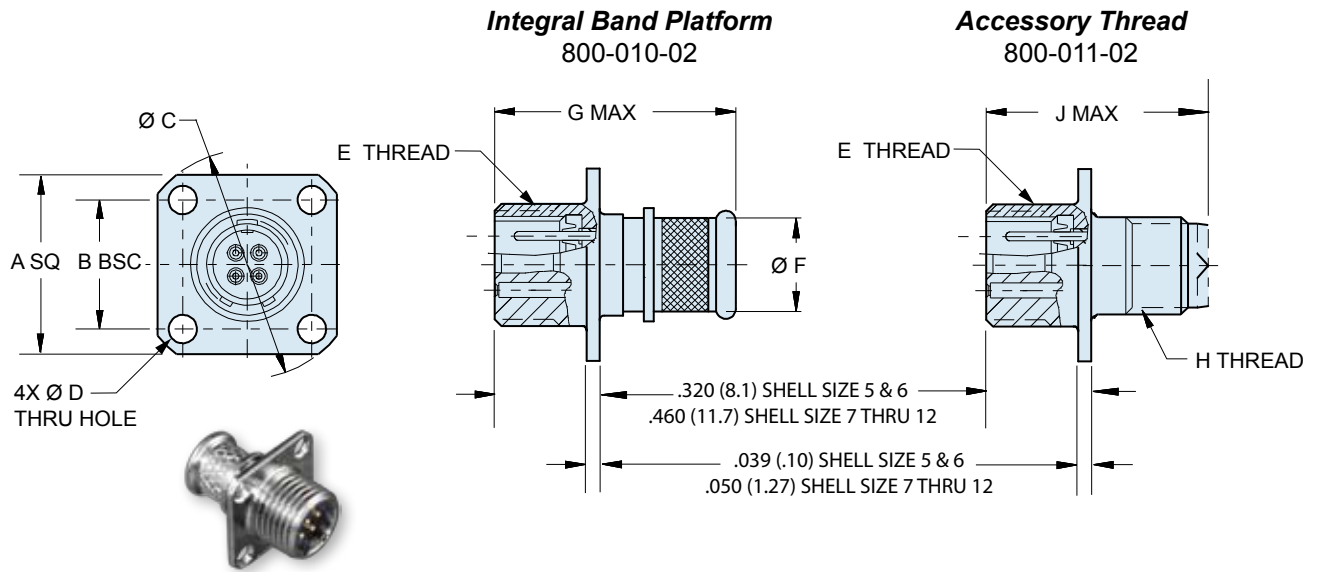
Receptacle

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.

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

Series 800 Mighty Mouse with UN Mating Thread Square Flange Crimp Receptacle Dimensions 800-010-02 and 800-011-02



DIMENSIONS

Shell Size	A SQ		B		Ø C		Ø D		E Threads Mating	Ø F		G Max.		H Threads Accessory		J Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.		In.	mm.	In.	mm.	In.	mm.	In.	mm.
5	.527	13.39	.363	9.22	.680	17.27	.094	2.39	.3125-28 UN-2A	.230	5.84	.750	19.05	.250-32 UNEF-2A	.725	18.42	
6	.588	14.92	.423	10.74	.750	19.05	.094	2.39	.3750-28 UN-2A	.286	7.26	.750	19.05	.3125-32 UNEF-2A	.725	18.42	
7	.650	16.51	.483	12.27	.830	21.08	.128	3.25	.4375-28 UNEF-2A	.390	9.91	.825	20.96	.4375-28 UNEF-2A	.800	20.32	
8	.710	18.03	.542	13.77	.938	23.83	.128	3.25	.5000-32 UN-2A	.445	11.30	.825	20.96	.5000-28 UNEF-2A	.800	20.32	
9	.938	23.83	.719	18.26	1.250	31.75	.128	3.25	.5625-32 UN-2A	.500	12.70	.825	20.96	.5625-24 UNEF-2A	.800	20.32	
10	.938	23.83	.719	18.26	1.250	31.75	.128	3.25	.6250-32 UN-2A	.565	14.35	.825	20.96	.6250-24 UNEF-2A	.800	20.32	
12	1.031	26.19	.812	20.62	1.375	34.93	.128	3.25	.7500-28 UN-2A	.650	16.51	.825	20.96	.6875-24 UNEF-2A	.800	20.32	

SERIES 800 KEY POSITIONS

Key Position	Key Rotation		
Normal (N)	150°	<p style="text-align: center;">Plug Key Position</p>	<p style="text-align: center;">Receptacle Key Position</p>
X	140°		
Y	130°		
Z	120°		
<p>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.</p>			

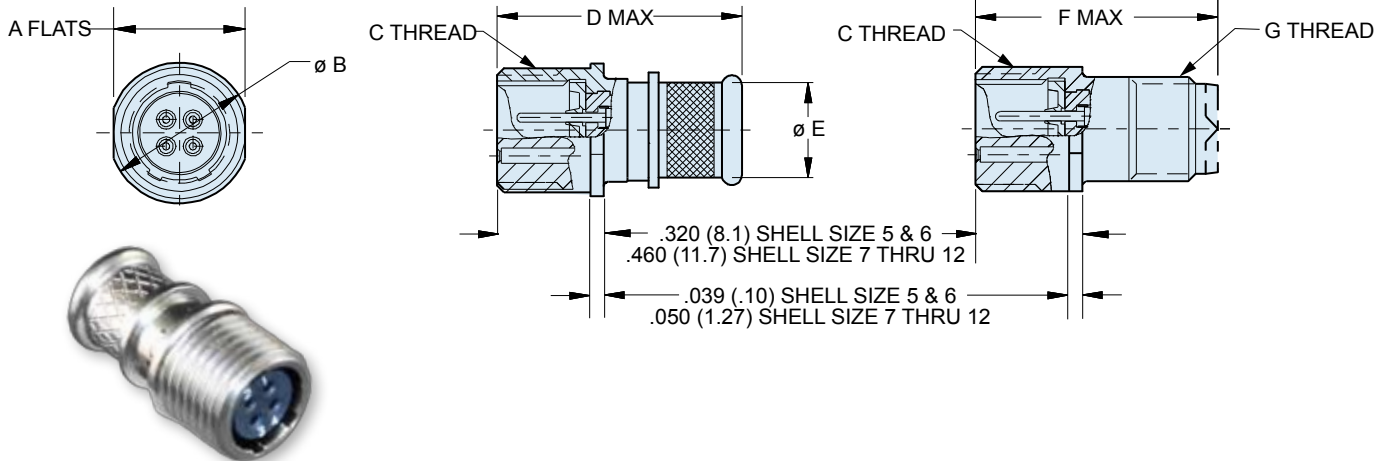
Dimensions in inches (millimeters) and are subject to change without notice.

Series 800 Mighty Mouse with UN Mating Thread In-Line Crimp Receptacle Dimensions

800-010-01 and 800-011-01

Integral Band Platform 800-010-01

Accessory Thread 800-011-01



DIMENSIONS

Shell Size	A		Ø B		C Threads Mating	D Max.		Ø E		F Max.		G Threads Accessory
	In.	mm.	In.	mm.		In.	mm.	In.	mm.	In.	mm.	
5	.312	7.92	.355	9.02	.3125-28 UN-2A	.750	19.05	.230	5.84	.725	18.42	.250-32 UNEF-2A
6	.375	9.53	.400	10.16	.3750-28 UN-2A	.750	19.05	.286	7.26	.725	18.42	.3125-32 UNEF-2A
7	.445	11.30	.490	12.45	.4375-28 UNEF-2A	.825	20.96	.390	9.91	.800	20.32	.4375-28 UNEF-2A
8	.550	13.97	.600	15.24	.5000-32 UN-2A	.825	20.96	.445	11.30	.800	20.32	.5000-28 UNEF-2A
9	.613	15.57	.663	16.84	.5625-32 UN-2A	.825	20.96	.500	12.70	.800	20.32	.5625-24 UNEF-2A
10	.675	17.15	.725	18.42	.6250-32 UN-2A	.825	20.96	.565	14.35	.800	20.32	.6250-24 UNEF-2A
12	.800	20.32	.850	21.59	.7500-28 UN-2A	.825	20.96	.650	16.51	.800	20.32	.6875-24 UNEF-2A

SERIES 800 KEY POSITIONS

Key Position	Key Rotation		
Normal (N)	150°	<p>Plug Key Position</p>	<p>Receptacle Key Position</p>
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 for normal position.			

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

Series 800 Mighty Mouse with UN Mating Thread Printed Circuit Board Receptacle Ordering Info

800-012-02 and 800-012-07

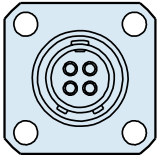


Series 800 PCB Receptacle

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

Water Immersion, Unmated

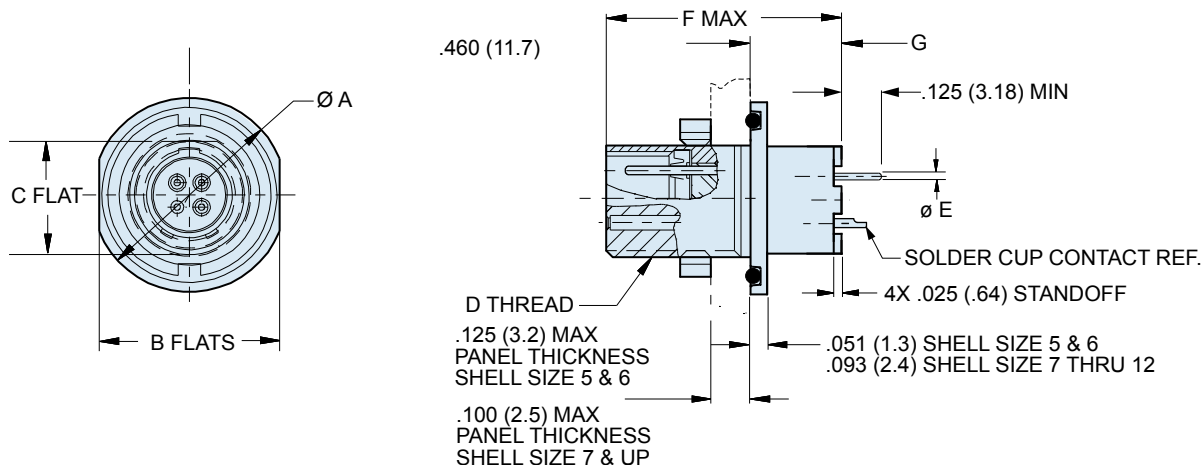
Specify **800-012** connectors for applications where open face water immersion is not a requirement. For MIL-STD-810 Method 512G immersion requirements, specify **800-040** watertight connectors. These 800-040 connectors are specially sealed ("MOD-518") and are 100% tested to maintain a helium leak rate of 1×10^{-4} cc/second at one atmosphere pressure differential from -40C to +70C.

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 Receptacle for Solder Cup or PCB Termination, with Standard Epoxy Potting	 -02 Square Flange	C Aluminum / Black Anodize (Non-Conductive) RoHS Compliant M Aluminum / Electroless Nickel RoHS Compliant	SEE CONTACT ARRANGEMENTS PAGE C-2	P Pin S Socket	N Normal X Pos. X

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

Series 800 Mighty Mouse with UN Mating Thread Printed Circuit Board Receptacle Dimensions

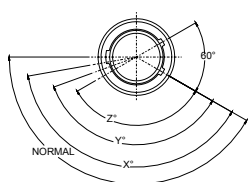
Jam Nut Receptacle 800-012-07



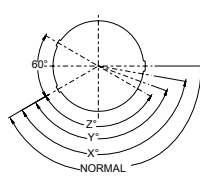
DIMENSIONS

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

SERIES 800 KEY POSITIONS



Plug



Receptacle

Key Position

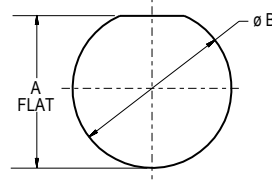
Normal (N)
X
Y
Z

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.

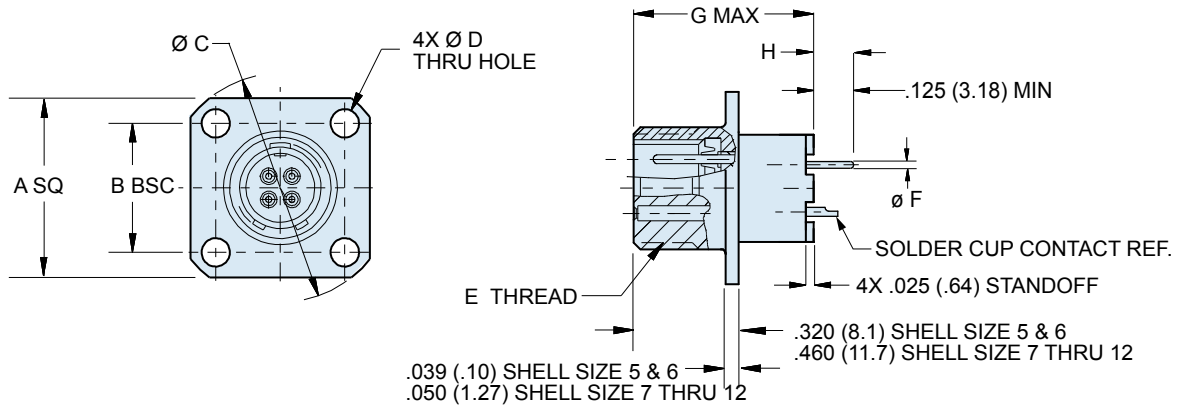
SERIES 800 PANEL CUTOUTS



Shell Size	A Flat		Ø B	
	In.	mm.	In.	mm.
5	.295/.299	7.49/7.59	.317/.327	8.05/8.30
6	.358/.362	9.09/9.19	.380/.390	9.65/9.91
7	.424/.428	10.77/10.87	.442/.452	11.23/11.48
8	.479/.483	12.16/12.26	.505/.515	12.83/13.08
9	.537/.541	13.64/13.74	.567/.577	14.40/14.66
10	.610/.614	15.49/15.59	.630/.640	16.00/16.26
12	.717/.721	18.21/18.31	.755/.765	19.18/19.43

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

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		$\varnothing C$		$\varnothing D$		E Threads Mating	$\varnothing F$ Tail Dia.	G Max		H			
	In.	mm.	In.	mm.	In.	mm.	± .005	± 0.13			In.	mm.	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	.092/.096 (2.34/2.44)	.700	17.78	.255	6.48	

SERIES 800 KEY POSITIONS

Key Position	Key Rotation		
Normal (N)	150°	<p>Plug Key Position</p>	<p>Receptacle Key Position</p>
X	140°		
Y	130°		
Z	120°		
<p>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.</p>			

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

Series 800 Mighty Mouse with UN Mating Thread Right Angle PCB Receptacle Headers

800-032-07

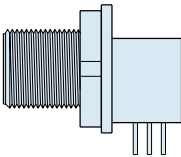


800-032 right angle I/O headers feature gold-plated size #23 contacts. UN mating thread, and aluminum or stainless steel shells. Rubber seal protects mated connectors from water ingress. 5 amp current rating, 500 VAC voltage rating. Contacts are factory-installed and are non-removable. Thermoplastic rear housing has #2-56 threaded inserts for attaching to circuit board with customer-supplied mounting screws. Connectors attach to chassis or panel with low-profile jam nut and O-ring. Available in six contact arrangements, these right angle headers are ideal for hostile environment 100/1000BASE-T Ethernet applications where commercial-grade RJ-45 jacks are not advised.

Right Angle PCB Receptacle

HOW TO ORDER SERIES 800 RIGHT ANGLE PCB RECEPTACLES

Sample Part Number

800-032	-07	M	7-10	P	Z
Series	Shell Style	Shell Material / Finish	Shell Size- Insert Arrangement	Contact Type	Shell Key Position
800-032 PCB Receptacle	 -07 Jam Nut	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	5-3 3 #23 6-4 4 #23 6-7 7 #23 7-10 10 #23 8-13 13 #23 9-19 19 #23	P Pin S Socket	N Normal X Pos. X Y Pos. Y Z Pos. Z

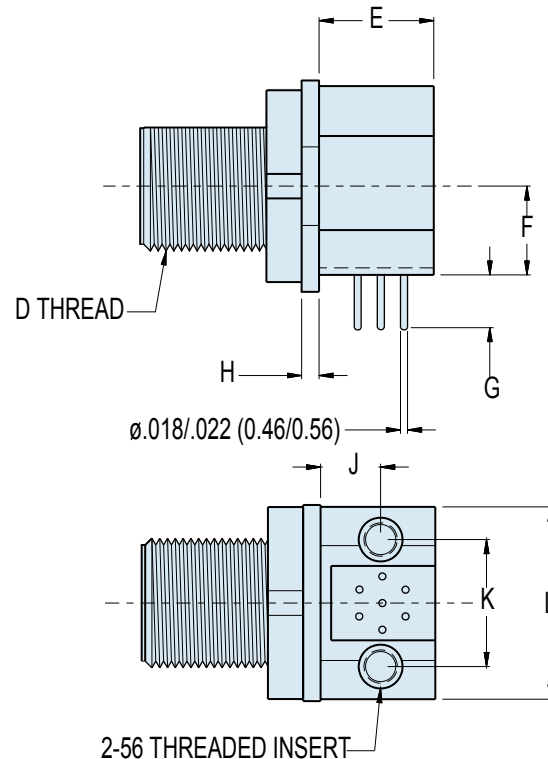
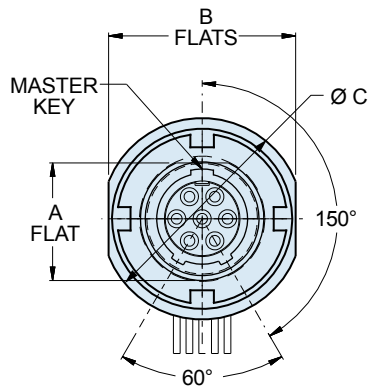
Dimensions in inches (millimeters) and are subject to change without notice.

Series 800 Mighty Mouse with UN Mating Thread Right Angle PCB Receptacle Headers

800-032-07



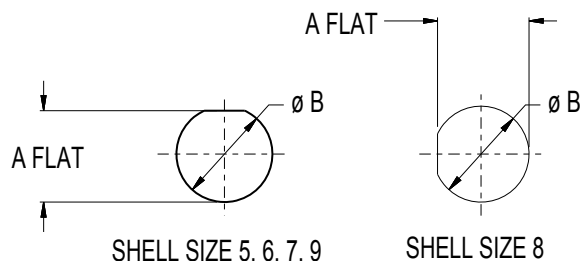
Series 800



DIMENSIONS

Shell Size	A		B		Ø C		D Threads	E		F		G		H		J		K		L	
	In.	mm.	In.	mm.	In.	mm.		In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
5-3	.289	7.34	.498	12.65	.538	13.67	.3125-28 UN-2A	.260	6.60	.235	5.97	.257	6.53	.050	1.27	.165	4.19	.310	7.87	.486	12.34
6-4	.355	9.02	.560	14.22	.605	15.37	.3750-28 UN-2A	.330	8.38	.232	5.89	.285	7.24	.050	1.27	.224	5.69	.385	9.78	.580	14.73
6-7	.355	9.02	.560	14.22	.605	15.37	.3750-28 UN-2A	.350	8.89	.232	5.89	.285	7.24	.050	1.27	.187	4.75	.408	10.36	.580	14.73
7-10	.414	10.52	.640	16.26	.665	16.89	.4375-28 UNEF-2A	.350	8.89	.325	8.26	.285	7.24	.092	2.34	.170	4.32	.452	11.48	.640	16.26
8-13	.475	12.07	.730	18.54	.770	19.56	.5000-32 UN-2A	.490	12.45	.330	8.38	.285	7.24	.092	2.34	.230	5.84	.490	12.45	.680	17.27
9-19	.532	13.51	.805	20.45	.875	22.23	.5625-32 UN-2A	.490	12.45	.360	9.14	.275	6.99	.092	2.34	.342	8.69	.600	15.24	.800	20.32

PANEL CUTOUTS FOR RIGHT ANGLE PCB HEADERS



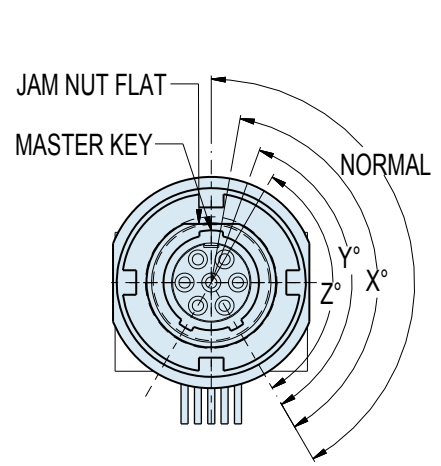
RECOMMENDED PANEL CUTOUT

Shell Size	A Flat		ØB	
	In.	mm.	In.	mm.
5	.294	7.47	.322	8.18
6	.360	9.14	.386	9.80
7	.419	10.64	.449	11.40
8	.481	12.22	.510	12.95
9	.538	13.67	.574	14.58

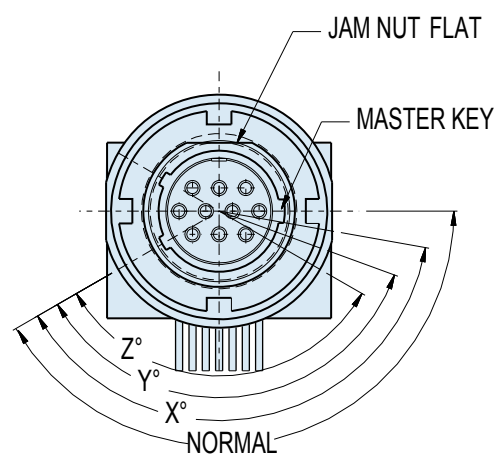
Dimensions in inches (millimeters) and are subject to change without notice.

FACE VIEWS OF RIGHT ANGLE PCB HEADERS

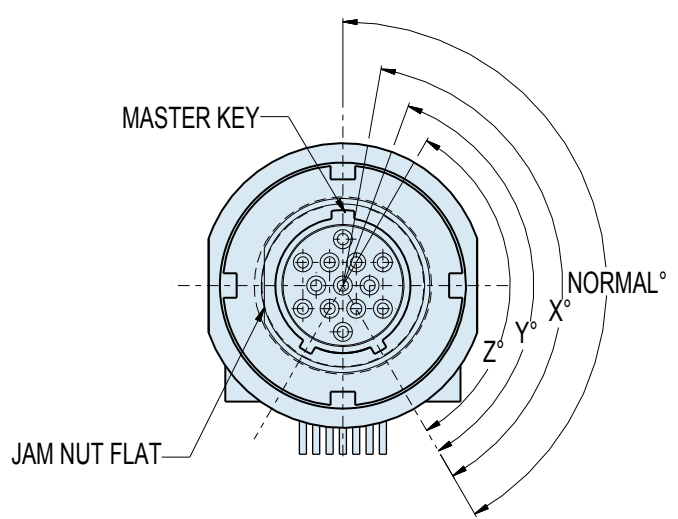
KEY POSITIONS	
Key Position	Key Rotation
Normal (N)	150°
X	140°
Y	130°
Z	120°



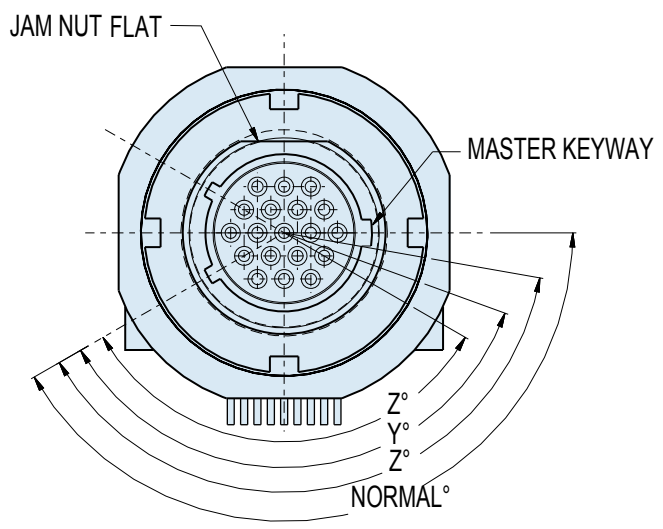
JAM NUT FLAT AND KEYWAY LOCATIONS
SHELL SIZE 5 AND 6
SOCKET FACE SHOWN



JAM NUT FLAT AND KEYWAY LOCATIONS
SHELL SIZE 7 10 POSITION
SOCKET FACE SHOWN



JAM NUT FLAT AND KEYWAY LOCATIONS
SHELL SIZE 8 13 POSITION
SOCKET FACE SHOWN



JAM NUT FLAT AND KEYWAY LOCATIONS
SHELL SIZE 9 19 POSITION
SOCKET FACE SHOWN

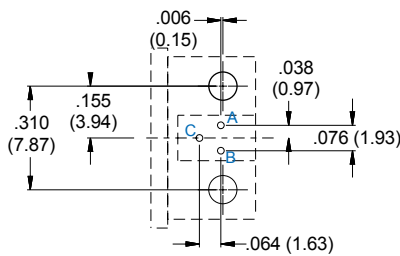
Dimensions in inches (millimeters) and are subject to change without notice.

Series 800 Mighty Mouse with UN Mating Thread Right Angle PCB Receptacle Headers 800-032 PCB Mounting Footprints

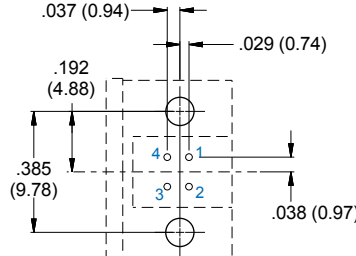


RIGHT ANGLE PCB FOOTPRINTS: PIN CONNECTORS

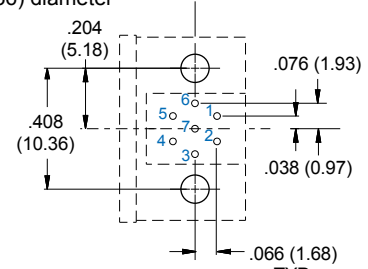
Patterns shown are for component mounting side of PCB.
Contacts are .022 (0.56) max. diameter, mounting holes are .093 (2.36) diameter



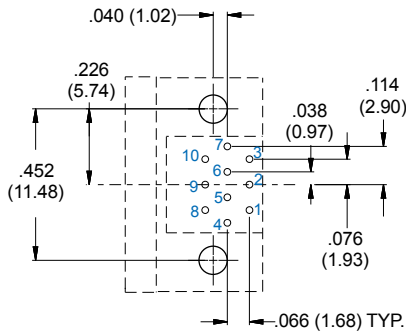
5-3P



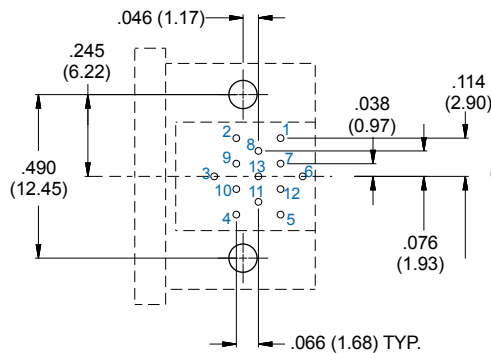
6-4P



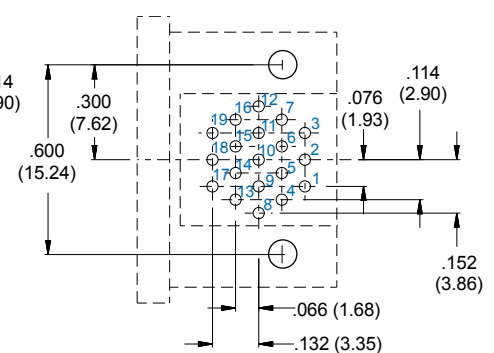
6-7P



7-10P



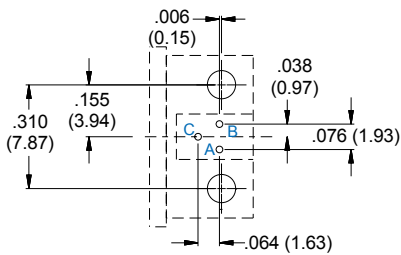
8-13P



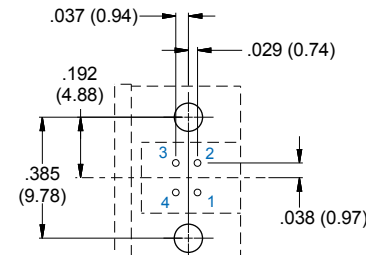
9-19P

RIGHT ANGLE PCB FOOTPRINTS: SOCKET CONNECTORS

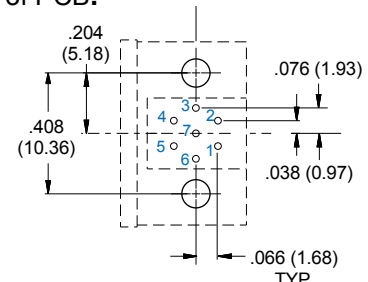
Patterns shown are for component mounting side of PCB.



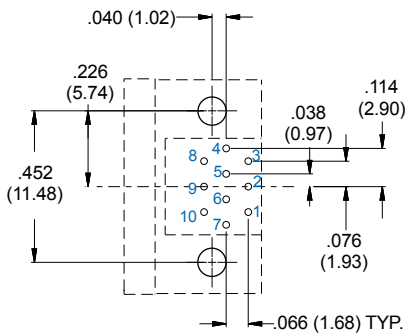
5-3S



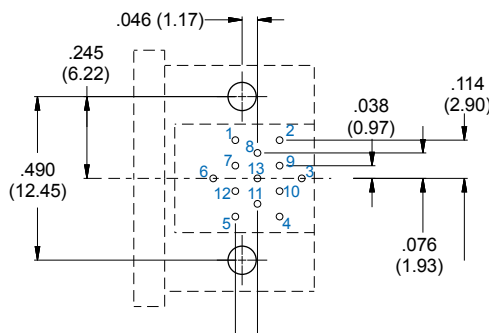
6-4S



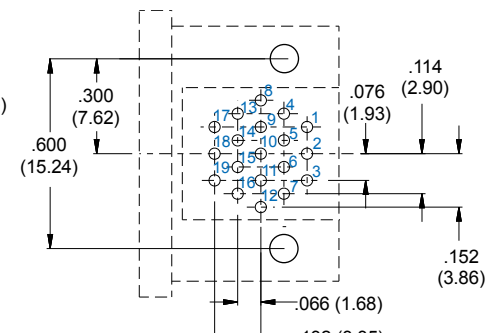
6-7S



7-10S



8-13S



9-19S

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

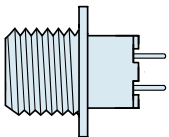
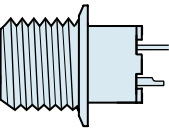
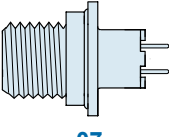


Series 800 Hermetic

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 1×10^{-7} cc/second maximum leak rate. 1000 psi open face (unmated) pressure rating. 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 31 contact arrangements from shell size 5 to 12. Contact sizes 12, 16, 20, 20HD and 23.

HOW TO ORDER

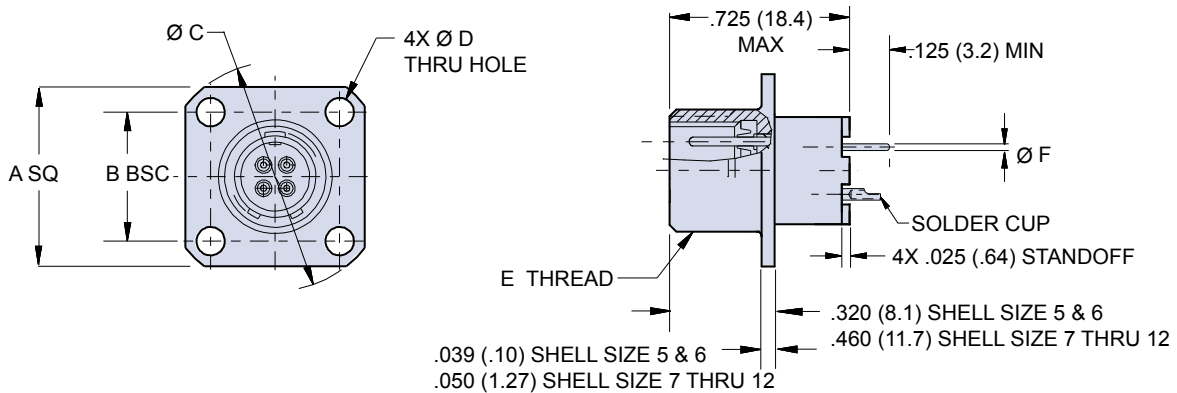
Sample Part Number

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 CONTACT ARRANGEMENTS PAGE C-2	P Pin, Solder Cup C Pin, PC Tail S Socket, Solder Cup D Sockets, PC Tail	N Normal X Pos. X Y Pos. Y Z Pos. Z
	 -03 Solder Mount				
	 -07 Jam Nut				

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

Series 800 Mighty Mouse with UN Mating Thread Hermetic Connector Dimensions

800-013-02 and 800-013-03



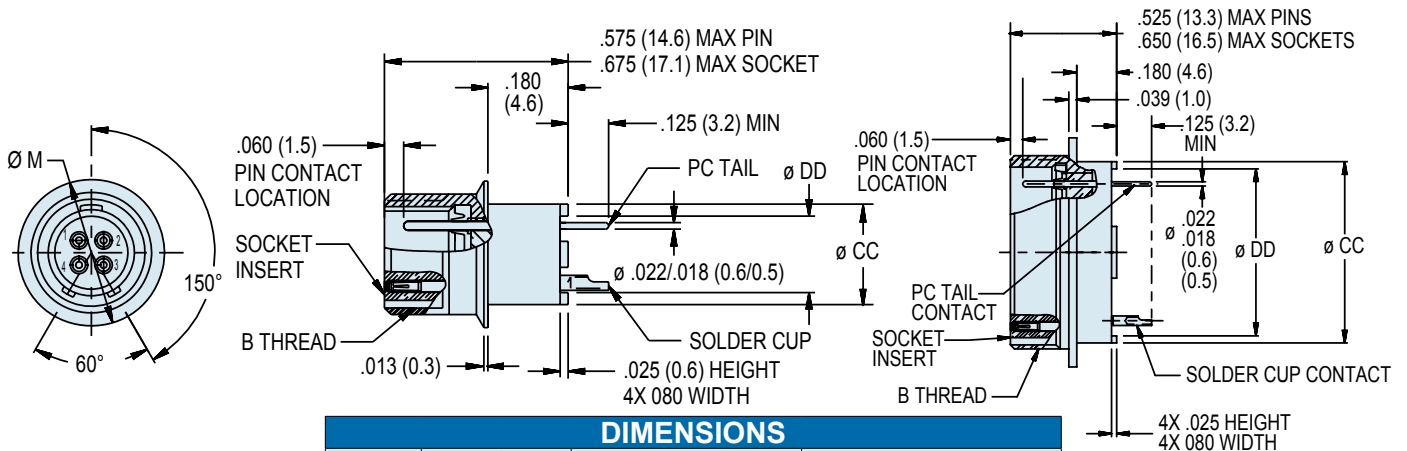
800-013-02 SQUARE FLANGE HERMETIC RECEPTACLE DIMENSIONS

Shell Size	A SQ		B		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 #22 .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	.094	2.39	.3750-28 UN-2A	
7	.650	16.51	.483	12.27	.830	21.08	.130	3.30	.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	.130	3.30	.5625-32 UN-2A	
10	.938	23.83	.719	18.26	1.250	31.75	.130	3.30	.6250-32 UN-2A	
12	1.031	26.19	.812	20.62	1.375	34.93	.130	3.30	.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	

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

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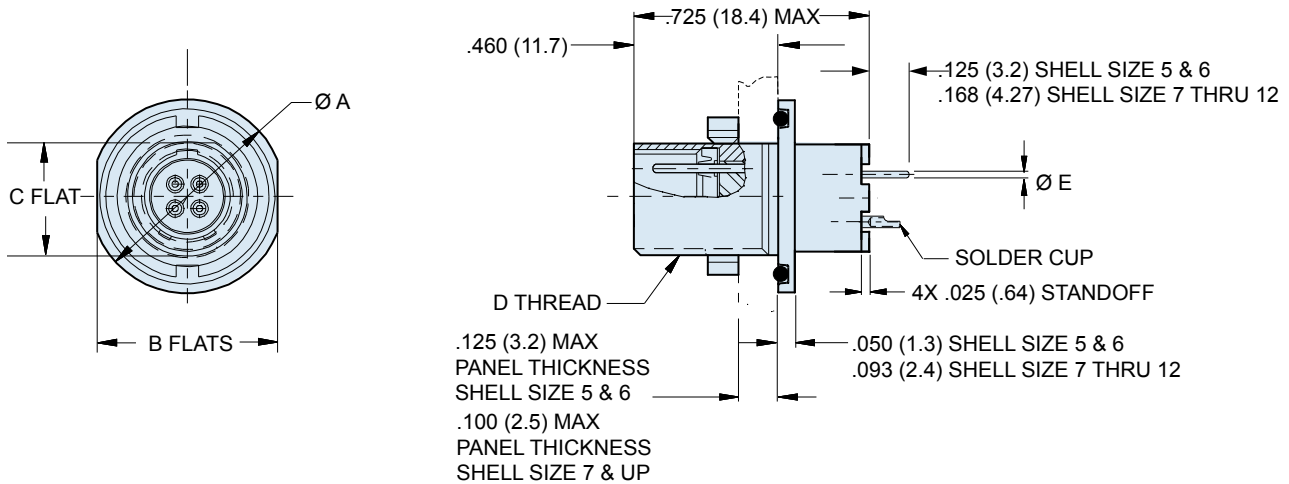
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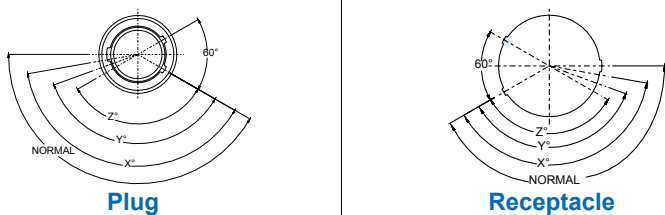
Series 800 Mighty Mouse with UN Mating Thread Hermetic Connector Dimensions

800-013-07 Jam Nut



DIMENSIONS								
Shell Size	Ø A		Ø B		C		D Threads Mating	Ø E ± .002 (0.05)
	In.	mm.	In.	mm.	In.	mm.		
5	.541	13.74	.500	12.70	.285	7.24	.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	.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	

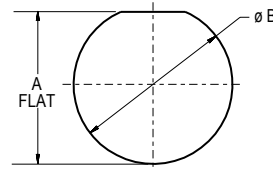
SERIES 800 KEY POSITIONS



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



Shell Size	A Flat		Ø B	
	In.	mm.	In.	mm.
5	.295/.299	7.49/7.59	.317/.327	8.05/8.30
6	.358/.362	9.09/9.19	.380/.390	9.65/9.91
7	.424/.428	10.77/10.87	.442/.452	11.23/11.48
8	.479/.483	12.16/12.26	.505/.515	12.83/13.08
9	.537/.541	13.64/13.74	.567/.577	14.40/14.66
10	.610/.614	15.49/15.59	.630/.640	16.00/16.26
12	.717/.721	18.21/18.31	.755/.765	19.18/19.43

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

Series 800 Mighty Mouse with UN Mating Thread Overmolded Cordsets

800-034



Series 800



Abrasion-Resistant Polyurethane Jacket provides cold temperature flexibility and high strength. Low smoke/zero halogen material meets requirements for low toxicity.

90% Tinned Copper Braid is terminated directly to connector with stainless steel **BAND-IT®** strap.

Watertight Overmold provides strain relief and protection.

C

Series 800 Harsh Environment Shielded Cordsets

These overmolded cordsets withstand abrasion and chemical exposure. Low smoke zero halogen jacket reduces the amount of toxic and corrosive gasses emitted during combustion. Cable construction features silver coated stranded conductors with TFE insulation, tinned copper braid shield and extruded polyurethane jacket. Choose single-ended pigtails or double-ended "back-to-back" versions. Braid shield is attached directly to connector with **BAND-IT®** straps. Semi-rigid polyamide overmold provides strain relief and environmental sealing.

Series 801 cordsets are now available with size #20HD, #16 and #12 contacts. Ordering information is found on the following pages.

HARSH ENVIRONMENT CORDSET SPECIFICATIONS

Cable Jacket Material	Thermoplastic Polyurethane, Black, Low-Smoke, Zero-Halogen
Cable Shield	Tin-Coated Copper Braid, 90% Minimum Coverage
Conductors	Silver Coated Stranded Wire, TFE Insulated, Per M22759/11
BAND-IT® Shield Termination Band	Stainless Steel
Current Rating	#23 5 Amps, #20HD 7.5 Amps, #16 13 Amps, #12 23 Amps
Test Voltage (Dielectric Withstanding Voltage)	#23 500 VAC, #20HD 750 VAC, #16 and #12 1800 VAC Sea Level
Insulation Resistance	200 megohms minimum
Operating Temperature	-30° C. to +105° C.
Solvent Resistance, Polyamide Overmold	Excellent Resistance to Most Solvents, Fuels, and Oils; Poor Resistance to Strong Acids and Bipolar Solvents (Alcohol)
Shielding Effectiveness	50 dB minimum from 100MHz to 1000MHz.
Cable jacket Flammability and Toxicity	Toxicity Index 3.9 per NES 713 Oxygen Index 28% per ASTM D-2863 Smoke Index 24 per NES 711

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01-JANUARY-2010

Series 800 Mighty Mouse with UN Mating Thread Overmolded Cordsets

800-034 and 800-041

SERIES 800 CORDSETS WITH #23 CONTACTS

Sample Part Number									
800-034	-A	C	K	2	M	8-13	N	N	-36
Series	End A Connector	End B Connector	Plug Style	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
800-034 Overmolded Cordset, with Size #16 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	K Round Knurled Coupling Nut	2 #22 AWG	M Aluminum / Electroless Nickel	5-3 6-4	P Metal Protective Covers Included	N Normal	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	KL Round Knurled Coupling Nut, Self-Locking	4 #24 AWG	NF Aluminum / Cadmium with OD Chromate	6-6 6-7	N No Covers Supplied	X Pos. X	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts	H Hex Coupling Nut		UCR Aluminum / Zinc- Cobalt with Black Chromate	7-10 8-13		Y Pos. Y	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts	HL Hex Coupling Nut, Self- Locking		ZNU Aluminum / Zinc- Nickel with Black Chromate	9-19 10-26		Z Pos. Z	
	-N Receptacle, with Female Socket Contacts	N No Connector (Single-Ended)	N Receptacle Cable		MT Aluminum / Nickel- PTFE	12-37			

SERIES 800 CORDSETS WITH #20HD CONTACTS

Sample Part Number									
800-041	-A	C	K	0	M	8-28	N	N	-36
Series	End A Connector	End B Connector	Plug Style	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
800-041 Overmolded Cordset, with Size #16 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	K Round Knurled Coupling Nut	0 #20 AWG	M Aluminum / Electroless Nickel	6-23 7-25	P Metal Protective Covers Included	N Normal	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	KL Round Knurled Coupling Nut, Self-Locking	2 #22 AWG	NF Aluminum / Cadmium with OD Chromate	8-28 9-210 12-220	N No Covers Supplied	X Pos. X	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts	H Hex Coupling Nut		UCR Aluminum / Zinc- Cobalt with Black Chromate			Y Pos. Y	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts	HL Hex Coupling Nut, Self- Locking		ZNU Aluminum / Zinc- Nickel with Black Chromate			Z Pos. Z	
	-N Receptacle, with Female Socket Contacts	N No Connector (Single-Ended)	N Receptacle Cable		MT Aluminum / Nickel- PTFE				

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03-JUNE-2010

**Series 800 Mighty Mouse with UN Mating Thread
Overmolded Cordsets
800-038 AND 800-039**



Series 800

SERIES 800 CORDSETS WITH #16 POWER CONTACTS

Sample Part Number									
800-038	-A	C	K	6	M	8-2	N	N	-36
Series	End A Connector	End B Connector	Plug Style	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
800-038 Overmolded Cordset, with Size #16 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	K Round Knurled Coupling Nut	6 #16 AWG	M Aluminum / Electroless Nickel	6-1 8-2	P Metal Protective Covers Included	N Normal	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	KL Round Knurled Coupling Nut, Self-Locking	8 #18 AWG	NF Aluminum / Cadmium with OD Chromate	9-4 10-5 12-7	N No Covers Supplied	X Pos. X	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts	H Hex Coupling Nut		UCR Aluminum / Zinc-Cobalt with Black Chromate			Y Pos. Y	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts	HL Hex Coupling Nut, Self-Locking		ZNU Aluminum / Zinc-Nickel with Black Chromate			Z Pos. Z	
	N Receptacle, with Female Socket Contacts	N No Connector (Single-Ended)	N Receptacle Cable		MT Aluminum / Nickel-PTFE				
					Z1 Stainless Steel / Passivated				

SERIES 800 CORDSETS WITH #12 POWER CONTACTS

Sample Part Number									
800-039	-A	C	K	4	M	10-2	N	N	-36
Series	End A Connector	End B Connector	Plug Style	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
800-039 Overmolded Cordset, with Size #12 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	K Round Knurled Coupling Nut	2 #12 AWG	M Aluminum / Electroless Nickel	7-1 10-2	P Metal Protective Covers Included	N Normal	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	KL Round Knurled Coupling Nut, Self-Locking	4 #14 AWG	NF Aluminum / Cadmium with OD Chromate	12-2 12-3	N No Covers Supplied	X Pos. X	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts	H Hex Coupling Nut		UCR Aluminum / Zinc-Cobalt with Black Chromate			Y Pos. Y	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts	HL Hex Coupling Nut, Self-Locking		ZNU Aluminum / Zinc-Nickel with Black Chromate			Z Pos. Z	
	N Receptacle, with Female Socket Contacts	N No Connector (Single-Ended)	N Receptacle Cable		MT Aluminum / Nickel-PTFE				
					Z1 Stainless Steel / Passivated				

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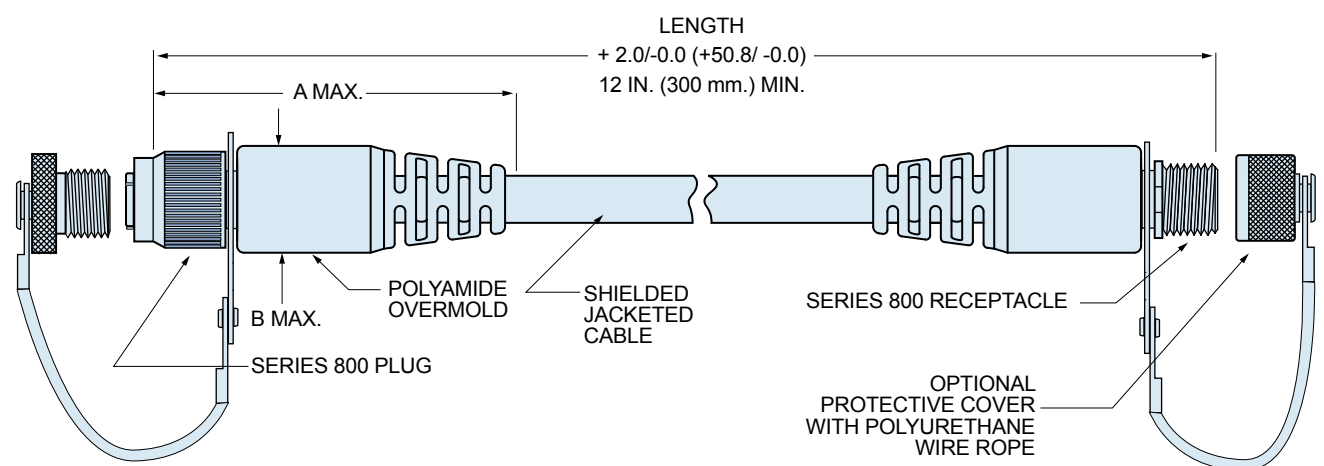
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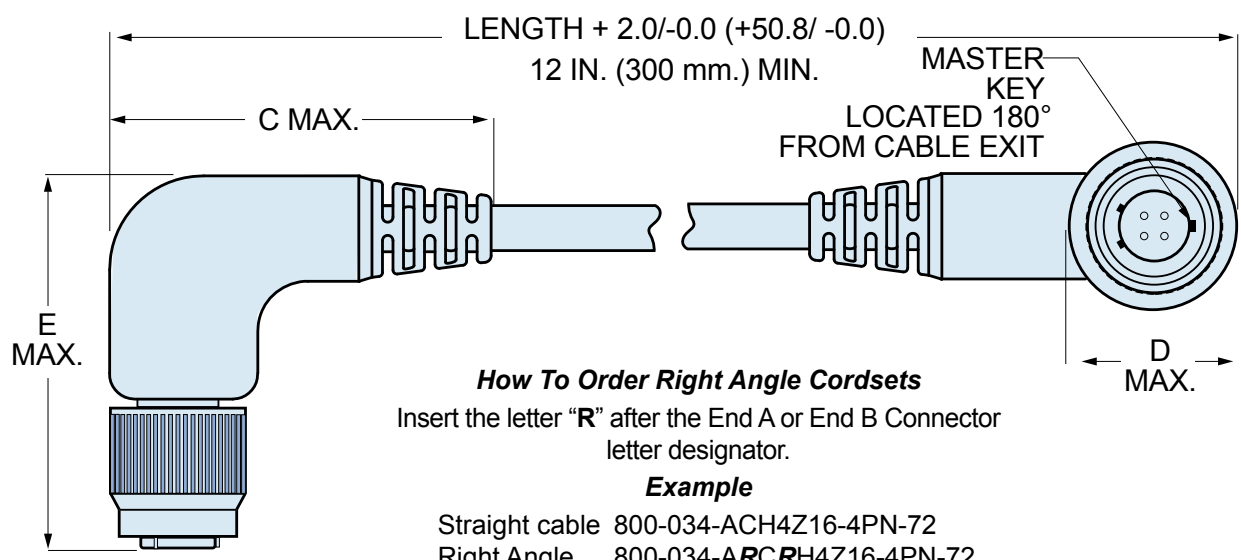


Series 800 Mighty Mouse with UN Mating Thread Overmolded Cordsets

Dimensions



RIGHT ANGLE CORDSETS



How To Order Right Angle Cordsets
 Insert the letter "R" after the End A or End B Connector letter designator.
Example
 Straight cable 800-034-ACH4Z16-4PN-72
 Right Angle 800-034-ARCRH4Z16-4PN-72

DIMENSIONS										
Shell Size	A Max.		B Max.		C Max.		D Max.		E Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
5	2.15	54.61	0.6	15.24	1.5	38.1	0.6	15.24	1.85	46.99
6	2.15	54.61	0.6	15.24	1.5	38.1	0.6	15.24	1.85	46.99
7	2.15	54.61	0.7	17.78	1.5	38.1	0.7	17.78	2.05	52.07
8	2.25	57.15	0.75	19.05	1.6	40.64	0.75	19.05	2.15	54.61
9	2.55	64.77	0.85	21.59	1.9	48.26	0.85	21.59	2.35	59.69
10	2.55	64.77	0.85	21.59	1.9	48.26	0.85	21.59	2.35	59.69
12	2.85	72.39	1.1	27.94	2.2	55.88	1.1	27.94	2.85	72.39

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Series 800 Mighty Mouse with UN Mating Thread Metal Protective Covers

667-184 and 667-185



Receptacle Cover

Protective covers fit Series 800 plug and receptacle connectors. Aluminum or stainless steel. Silicone rubber gasket protects connector from contamination and water ingress. Attach to panel or cable with a variety of lanyards and fittings. Lanyard styles include braided nylon rope, stainless steel wire or sash chain. Stainless steel wire available with flexible, rugged polyurethane coating or Teflon sleeving for high temperature requirements.

HOW TO ORDER SERIES 800 PROTECTIVE COVERS

Sample Part Number					
667-184	-M	G	9	04	-6
Series	Shell Material/ Finish	Attachment Type	Shell Size	Attachment Code	Attachment Length in Inches
 667-184 Protective Cover for use with Series 800 Plugs	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	G Nylon Rope H SST Wire Rope, Teflon® Jacket N No Attachment S SST Sash Chain SK Nylon Rope With Slip Knot T SST Wire Rope, No Jacket U SST Wire Rope, Polyurethane Jacket "SST" = Stainless Steel	5 6 7 8 9 10 12	Omit for attachment Types N (No Attachment) and SK (Slip Knot)	Omit for attachment Type N (No Attachment) Example "-6" equals six inch length
				 Small Ring	
 667-185 Protective Cover for use with Series 800 Receptacles	(Continued from previous row)	(Continued from previous row)	(Continued from previous row)	 Large Ring	(Continued from previous row)
				 Split Ring	

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



Series 800 Mighty Mouse with UN Mating Thread Metal Protective Covers

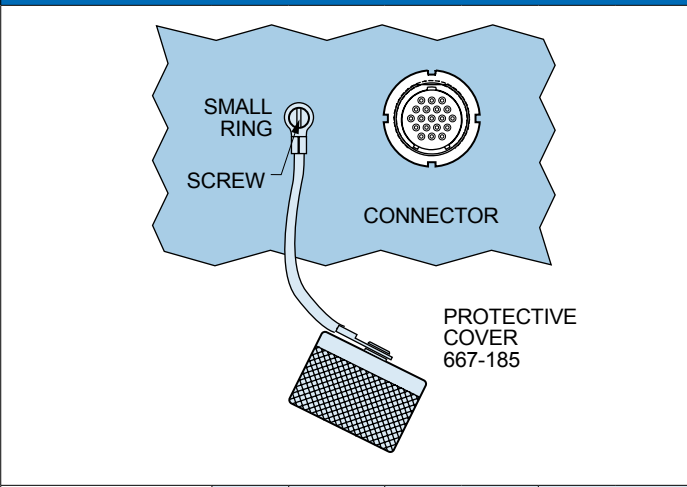
667-184 and 667-185

Attaching a 667-185 Receptacle Cover to a Rear Panel Mounted Jam Nut Receptacle



Solid Ring	Dia. Code	Shell Size	Ring I.D.		Ring O.D.	
			In.	mm.	In.	mm.
			± .010	±0.25	± .015	± 0.38
14	5, 6	.385	9.78	.510	12.95	
15	7	.445	11.30	.565	14.35	
16	8	.570	14.48	.685	17.40	
17	9	.635	16.13	.760	19.30	
18	10	.695	17.65	.820	20.82	
19	12	.885	22.48	1.010	25.65	

Attaching a 667-185 Receptacle Cover to a Panel With a Screw



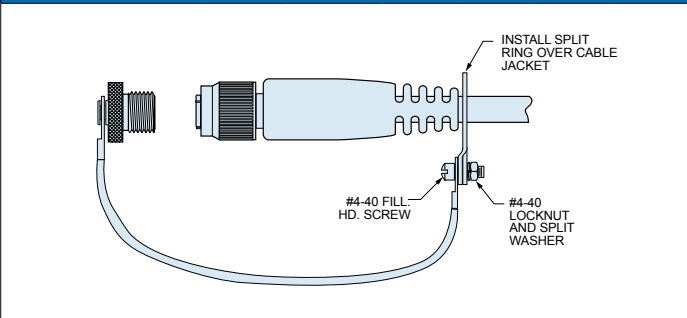
Small Ring for Attaching Receptacle Covers to a Panel with a Screw	Dia. Code	Screw Size	Ring I.D.		Ring O.D.	
			In.	mm.	In.	mm.
			±.005	±0.13	Max.	Max.
01	#4, M3	.126	3.20	.31	7.9	
02	#6	.145	3.68	.31	7.9	
04	#8, M4	.188	4.78	.31	7.9	
06	#10	.197	5.00	.31	7.9	

Attaching a Cover to a Cable Assembly With a Solid Ring



Solid Ring	Dia. Code	Shell Size	Ring I.D.		Ring O.D.	
			In.	mm.	In.	mm.
			± .010	±0.25	± .015	± 0.38
14	5, 6	.385	9.78	.510	12.95	
15	7	.445	11.30	.565	14.35	
16	8, 9	.570	14.48	.685	17.40	
18	10, 13	.695	17.65	.820	20.82	
20	16, 17	1.070	27.17	1.195	30.35	

Attaching a Cover to a Cable Using a Split Ring or Slip Knot



Large Split Ring for Attaching Covers to Cables	Dia. Code	Max. Cable Dia. (in.)	Ring Diameter			
			Min. ID		Max. OD	
			In.	mm.	In.	mm.
50	.410	.420	10.67	.580	14.73	
52	.470	.480	12.19	.640	16.26	
54	.625	.635	16.13	.796	20.22	
56	.735	.745	18.92	.905	22.99	
58	.875	.885	22.48	1.046	26.57	
60	1.000	1.010	25.65	1.171	29.74	
64	1.115	1.125	28.58	1.285	32.64	
68	1.335	1.345	34.16	1.505	38.23	

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

Series 800 Mighty Mouse with UN Mating Thread Metal Protective Cover Dimensions

667-184 and 667-185



667-184 Plug Cover








667-185 Receptacle Cover

Shell Size	A Max.		B	C
	In.	mm.		
5	.462	11.73	.3125-28 UN-2A	.3125-28 UN-2B
6	.525	10.80	.3750-28 UN-2A	.3750-28 UN-2B
7	.588	14.94	.4375-28 UNEF-2A	.4375-28 UNEF-2B
8	.650	16.51	.5000-32 UN-2A	.5000-32 UN-2B
9	.713	18.11	.5625-32 UN-2A	.5625-32 UN-2B
10	.838	21.29	.6250-32 UN-2A	.6250-32 UN-2B
12	.900	22.86	.7500-28 UN-2A	.7500-28 UN-2B

MATERIALS AND FINISHES

Cover	Aluminum alloy per ASTM B211, or stainless steel per AMS-QQ-S-763
Gasket	Silicone rubber
Wire, Hardware	Stainless steel, passivated

LANYARD OPTIONS

 Nylon Rope	-55° to +100°C., black, very flexible, very good abrasion resistance, good resistance to fuels, .120" (3mm) diameter
 Polyurethane Coated Wire Rope	Black polyurethane over stainless steel rope, -55° to +125°C., very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter
 Teflon® Jacketed Wire Rope	Translucent FEP jacket over stainless steel, -55° to +200°C., fair flexibility, good abrasion resistance, .100" diameter
 Sash Chain	Stainless steel, #8 chain, .240" (6mm)
 Slip Knot (SK) for Attaching Covers to Cable	55° to +100°C., black, very flexible, very good abrasion resistance, good resistance to fuels, .120" (3mm) diameter. Length includes .5" (13mm) diameter loop.

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

SERIES 80

INTEGRAL BAND PORCH

**Another Series 80 Mighty Mouse
Innovation—the Integral Band Porch—
Reduces Connector Package Size and
Weight and Eliminates the Cost and
Complexity of Add-On Accessories**



Glenair[®]

**Series 801 Mighty Mouse
Double-Start ACME Threads**
Table of Contents and Product Selection Guide



SERIES 801 DOUBLE-START PRODUCT SELECTION GUIDE

Plugs

Page D-6

801-007, 801-008



Series 801 Plugs

These connectors are supplied with crimp contacts. Two styles are available: integral band platform for direct attachment of the cable shield, or choose accessory threads for attachment of backshells or strain reliefs.

Crimp Receptacles

Page D-8

801-009, 801-010



Series 801 Crimp Receptacles

Jam nut, square flange and in-line versions. Integral shield termination platform or accessory threads. Contacts are crimp-type, and are packaged with the connector.

Solder Cup/PCB Receptacles

Page D-11

800-011, 801-033



Series 801 Receptacles With Solder Cup or PCB Termination

These panel mount connectors feature non-removable contacts. Choose printed circuit terminals solder cup contacts. Connectors are potted with epoxy for general purpose applications, or choose silicone-sealed, leak-tested versions for 1 meter water immersion.

Right Angle PCB Headers

Page D-14

801-023



Series 801 Right Angle PCB Receptacles

Supplied with factory-installed, non-removable PC tail contacts for attachment to rigid boards or flex circuits. Epoxy-sealed, stainless steel threaded inserts.

Hermetic Receptacles

Page D-17

801-012



Series 801 Hermetic Receptacles

These stainless steel, glass-sealed connectors are available with solder cup or PC tail contacts. Choose jam nut, square flange or solder mount versions. Contacts are gold plated iron alloy. 100% tested to meet 1 X 10⁻⁶ cc/sec helium leakage. Open face pressure rating 1000 PSI.

Sav-Con®

Page D-21

801-017



Series 801 Sav-Con® Connector Savers

Protect expensive test equipment and cables with Glenair Sav-Con® connector savers. These plug/receptacle adapters feature non-removable contacts and a ratcheting coupling mechanism to prevent loosening under vibration.

Cordsets

Page D-23

801-026, 801-031,
801-032, 801-034



Series 801 Cordsets

Specify overmolded cordsets for optimum convenience and performance. Low smoke/zero halogen polyurethane jackets provide excellent all-weather cable protection.

Metal Covers

Page D-27

667-217, 667-218



Series 801 Metal Protective Covers

Thread-on metal covers provide a watertight seal and prevent damage. Select nylon cord or wire rope lanyards with a range of ring terminal diameters to fit just about any need.

Rubber Covers

Page D-30

809-190, 809-191



Series 801 Rubber Protective Covers

Splashproof rubber covers are ideal for tactical applications. These friction-fit neoprene caps attach to cable or chassis with nylon rope.

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



Series 801 Mighty Mouse Double-Start ACME Threads Contact Arrangements

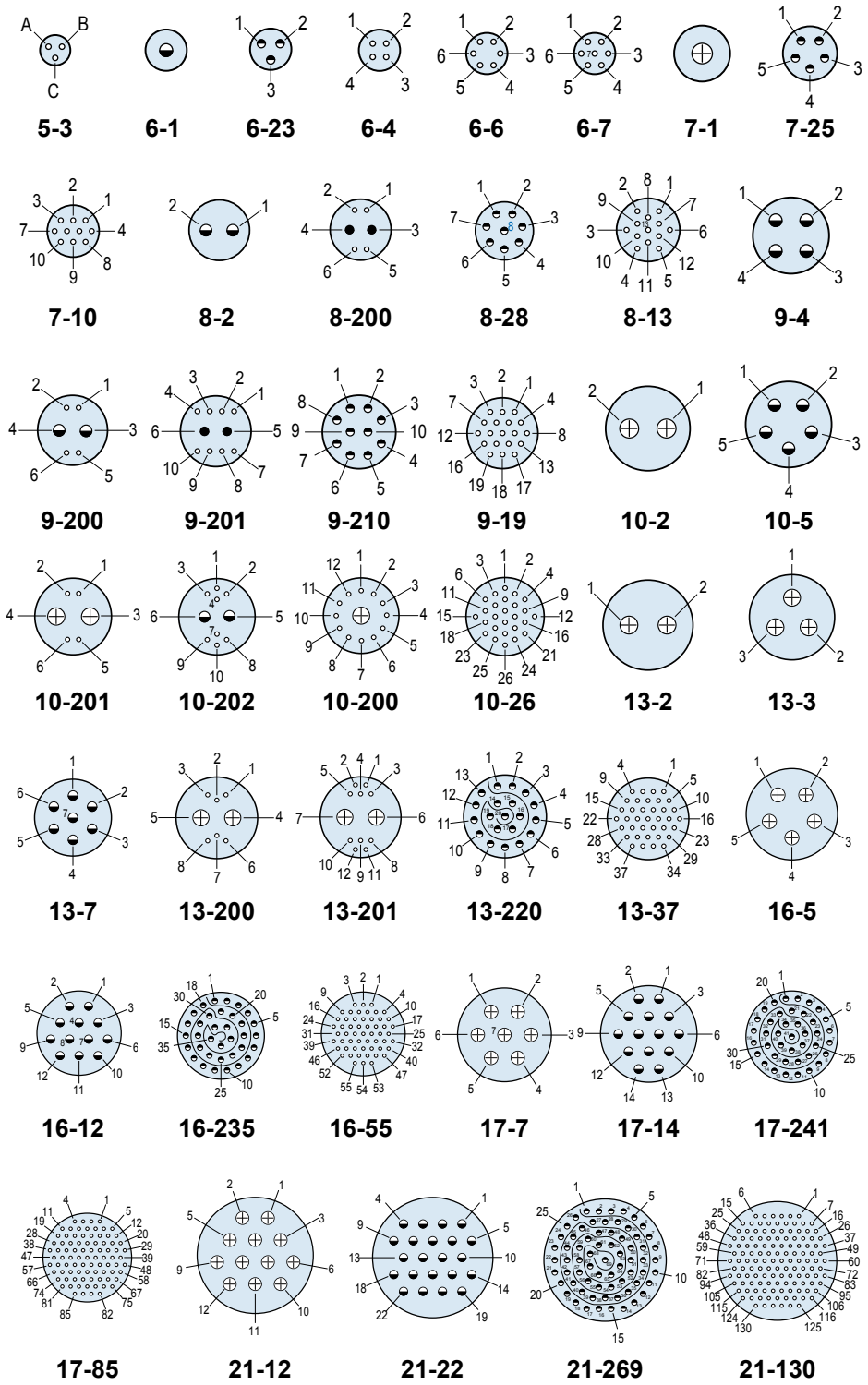
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CONTACT ARRANGEMENTS

Contact Arr.	No. of Contacts				
	#23	#20	#20HD	#16	#12
5-3	3				
6-1				1	
6-23			3		
6-4	4				
6-6	6				
6-7	7				
7-1					1
7-25			5		
7-10	10				
8-2				2	
8-28			8		
8-13	13				
8-200	4	2			
9-4				4	
9-210			10		
9-19	19				
9-200	4			2	
9-201	8	2			
10-2					2
10-5				5	
10-26	26				
10-200	12				1
10-201	4				2
10-202	8			2	
13-2					2
13-3					3
13-7				7	
13-220			20		
13-37	37				
13-200	6				2
13-201	10				2
16-5					5
16-12				12	
16-235			35		
16-55	55				
17-7					7
17-14				14	
17-241			41		
17-85	85				
21-12					12
21-22				22	
21-269			69		
21-130	130				

Mating Face View of Pin Connector
(socket connector numbers are reversed)

Contact Legend
#23⊙ #20HD⊙ #20● #16⊙ #12⊕



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

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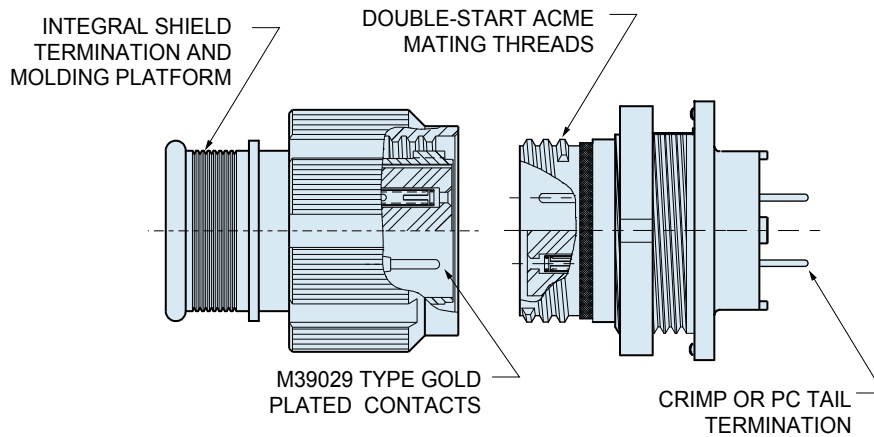
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D-2

E-Mail: sales@glenair.com

01-JANUARY-2010

**Series 801 Mighty Mouse
Double-Start ACME Threads**
General information



- Double-Start ACME Thread with anti-decoupling spring or ratchet
- Crimp Rear Release Contacts
- Integral Band Platform
- Available with Size #12, #16, #20, #20HD and #23 Contacts
- Environmentally Sealed

Glenair's Series 801 Mighty Mouse Offers Mil-Spec Performance in a Lightweight, Ultraminiature Package

The 801 Series Mighty Mouse is ideal for use in high-density packaging applications where traditional military circular connectors are too large or too heavy. The double-start threads provide full mating in 1½ turns, and the plug features an anti-decoupling spring for vibration resistance. The unique integral molding/band platform allows direct shield attachment and cable overmolding. Receptacles are available with printed circuit board contacts. Plugs have anti-decoupling wave spring, or specify ratchet mechanism for added security.



SPECIFICATIONS	
Current Rating	#23 5 AMPS, #20HD 7.5 A., #16 13 A., #12 23 A.
Dielectric Withstanding Voltage	#23 500 VAC RMS, #20HD 750 VAC, #12 and #16 1800 VAC
Insulation Resistance	5000 megohms minimum
Operating Temperature	-65° C. to +150° C.
Shock	300 g.
Vibration	37 g.
Shielding Effectiveness	55 dB minimum from 100MHz to 1000MHz.
Durability	2000 mating cycles
See Series 80 General Information for complete performance specs.	

MATERIALS AND FINISHES	
Shells, Jam Nuts	Aluminum alloy or stainless steel
Contacts	Copper alloy, 50 µInch gold plated
Insulators	Liquid crystal polymer (LCP)
Contact Retention Clip	Beryllium copper alloy
Interfacial Seal, O-rings, Wire Sealing Grommet	Fluorosilicone rubber
See Series 80 General Information for complete material and finish specs.	

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



Series 801

D38999

Series 801 Connectors Offer Up To 71% Weight Savings and 52% Size Reduction When Compared to D38999 Series III Connectors.

The [Comparison Tables](#) on this page show the actual weight and size reductions that can be achieved by using Glenair Series 801 connectors instead of MIL-DTL-38999 Series III.

WEIGHT COMPARISON: SERIES 801 VS. D38999 SERIES III

Series 801 Layout	Number of Contacts	D38999 Layout	Number of Contacts	Series 801	D38999 Aluminum	% Weight Savings	D38999 Composite	% Weight Savings
5-3	3	9-98	3	7.9	25.3	69%	19.9	60%
6-7	7	9-35	6	9.8	26.3	63%	19.9	51%
9-19	19	13-35	22	18.8	50.7	63%	38.5	51%
13-37	37	15-35	37	36.0	72.1	50%	57.4	37%
16-55	55	17-35	55	49.8	81.6	39%	65.6	24%
17-85	85	21-35	79	54.3	119.7	55%	99.1	45%
21-130	130	25-35	128	68.7	159.3	57%	136.6	50%

Weights shown include contacts and represent a mated pair of plug and jam nut receptacle. Weights are in grams. D38999 weights are based on published data from a leading manufacturer.

SIZE COMPARISON: SERIES 801 VS. D38999 SERIES III

Series 801 Layout	Number of Contacts	D38999 Layout	Number of Contacts	Cable Plug Diameter					Jam Nut Receptacle Diameter				
				Series 801		D38999		% Reduction	Series 801		D38999		% Reduction
				In.	mm.	In.	mm.		In.	mm.	In.	mm.	
5-3	3	9-98	3	.540	13.72	.859	21.82	37%	.575	14.61	1.204	30.58	52%
6-7	7	9-35	6	.600	15.24	.859	21.82	30%	.635	16.13	1.204	30.58	47%
9-19	19	13-35	22	.810	20.57	1.156	29.36	30%	.830	21.08	1.516	38.51	45%
13-37	37	15-35	37	1.050	26.67	1.281	32.54	18%	1.078	27.38	1.641	41.68	34%
16-55	55	17-35	55	1.240	31.50	1.406	35.71	12%	1.264	32.11	1.766	44.86	28%
17-85	85	21-35	79	1.300	33.02	1.641	41.68	21%	1.325	33.66	2.078	52.78	36%
21-130	130	25-35	128	1.550	39.37	1.890	48.01	18%	1.625	41.28	2.323	59.00	30%

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

**Series 801 Mighty Mouse
Double-Start ACME Threads
Connector Weights**



SERIES 801 CONNECTOR WEIGHTS

Contact Arr.	Cable Plug	J/N Recep Crimp	J/N Recep PCB	Sq. Flange Recep Crimp	Sq. Flange Recep PCB
5-3P	4.4	3.4	3.6	2.0	2.2
5-3S	4.5	3.5	3.7	2.0	2.4
6-1P	5.6	4.3	4.6	2.7	2.9
6-1S	5.9	4.6	4.9	3.0	3.2
6-4P	5.6	4.3	4.6	2.7	2.9
6-4S	5.8	4.5	4.7	2.8	3.0
6-7P	5.4	4.1	4.6	2.9	3.4
6-7S	5.6	4.4	4.7	3.2	3.5
7-1P	7.8	6.5	7.2	4.5	5.2
7-1S	8.3	7.0	7.7	5.0	5.7
7-10P	7.6	6.3	7.7	4.3	5.0
7-10S	8.0	6.7	7.0	4.7	5.2
8-2P	8.9	7.7	7.2	5.6	6.8
8-2S	9.6	8.4	8.7	6.3	7.5
8-13P	8.3	7.1	9.4	5.0	6.2
8-13S	8.9	7.6	8.1	5.6	6.5
8-200P	9.2	8.0	8.5	5.9	7.1
8-200S	9.8	8.6	9.0	6.5	7.7
9-4P	10.9	8.7	10.7	7.6	8.6
9-4S	11.8	10.6	11.6	8.5	9.5
9-19P	10.1	7.9	9.2	5.8	7.1
9-19S	10.9	8.7	9.7	6.6	7.6
9-200P	10.4	9.2	10.2	7.1	8.1
9-200S	11.4	10.2	11.2	8.1	9.1
9-201P	9.6	8.4	9.4	6.6	7.6
9-201S	11.5	10.3	11.3	8.2	9.2
10-5P	15.8	12.6	13.5	14.1	12.8
10-5S	17.1	13.9	14.8	15.4	14.1
10-26P	14.2	11.0	11.9	12.5	8.7
10-26S	15.3	12.1	12.5	16.7	9.2
10-200	15.0	11.8	12.7	13.3	10.0
10-200	16.3	13.1	14.0	14.6	11.3
10-201P	15.3	12.1	13.3	13.6	10.3

Contact Arr.	Cable Plug	J/N Recep Crimp	J/N Recep PCB	Sq. Flange Recep Crimp	Sq. Flange Recep PCB
10-201S	16.7	13.5	14.4	15.0	11.7
10-202P	14.9	11.7	12.6	13.2	9.9
10-202S	16.3	13.1	14.0	14.6	11.3
13-2P	18.9	17.2	17.2	17.2	15.1
13-2S	20.4	18.7	18.7	18.7	16.6
13-3P	19.8	18.1	18.1	18.1	16.0
13-3S	21.4	19.7	19.7	19.7	17.6
13-7P	20.0	18.3	18.3	18.3	16.2
13-7S	22.4	20.7	20.7	20.7	18.6
13-37P	18.4	16.7	16.7	16.7	14.6
13-37S	19.9	17.6	17.6	17.6	15.5
13-200P	19.0	17.3	17.3	17.3	15.2
13-200S	21.1	19.4	19.4	19.4	17.3
13-201P	19.1	17.4	17.4	17.4	15.3
13-201S	21.3	19.6	19.6	19.6	17.5
16-5P	28.5	22.6	24.4	25.4	23.0
16-5S	31.2	25.3	28.1	28.1	25.7
16-12P	29.2	23.3	26.1	26.1	23.7
16-12S	32.5	26.6	29.4	29.4	27.0
16-55P	26.5	20.6	24.3	24.3	21.9
16-55S	29.2	23.3	26.1	26.1	23.7
17-7P	29.8	27.0	29.4	29.4	25.2
17-7S	33.0	30.2	32.6	32.6	28.4
17-14P	32.6	29.8	32.2	32.2	28.0
17-14S	32.3	29.5	31.9	31.9	27.7
17-85P	28.1	23.2	29.0	29.0	25.3
17-85S	31.0	26.2	30.6	30.6	26.4
21-12P	35.0	31.4	34.4	26.4	31.4
21-12S	39.6	36.0	39.0	31.0	36.0
21-22P	37.3	33.7	36.7	28.7	33.7
21-22S	43.6	40.0	43.0	35.0	40.0
21-130P	32.9	29.3	32.3	24.3	29.3
21-130S	39.4	35.8	38.8	30.8	35.8

Maximum connector weight in grams.

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



Series 801 Mighty Mouse Double-Start ACME Threads Plug Connector Ordering Information

801-007 and 801-008



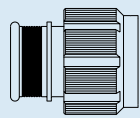
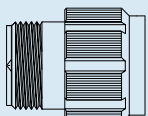
Series 801 Plug Connector

Glenair's Series 801 Mighty Mouse connector features a double-start modified stub ACME mating thread for improved protection against cross-mating and thread damage. Connector shells are machined aluminum or stainless steel. Supplied with crimp contacts, packaged separately. Terminate contacts with standard M22520 tools. Metal clips inside the connector body lock contact into place. Contacts are removable. Fluorosilicone seals and rear grommet protect connector from water ingress. Choose hex or knurled coupling nut. Terminate cable shield directly to connector body with BAND-IT strap, or choose rear accessory thread to attach optional cable clamp or backshell. Available in shell sizes 5 through 21 in 43 contact arrangements.

D

HOW TO ORDER

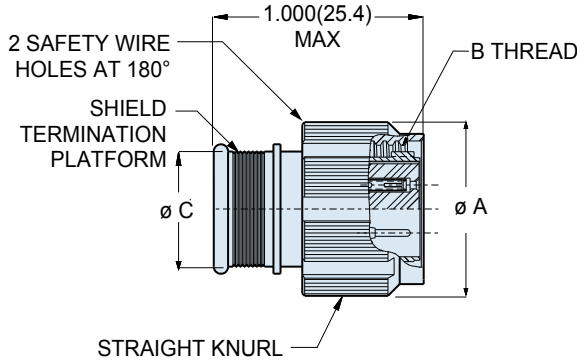
Sample Part Number

801-007	-16	M	7-10	P	A
Series	Shell Style	Shell Material / Finish	Shell Size- Insert Arrangement	Contact Type	Shell Key Position
 <p>801-007 Banding Platform</p>  <p>801-008 Rear Accessory Thread</p>	<p>-16 Plug with Anti-Decoupling Spring</p> <p>-26 Self-Locking Plug with Ratchet Mechanism (the "Clicker")</p>	<p>C Aluminum / Black Anodize (Non-Conductive) RoHS Compliant</p> <p>M Aluminum / Electroless Nickel RoHS Compliant</p> <p>NF Aluminum / Cadmium with Olive Drab Chromate</p> <p>ZN Aluminum / Zinc-Nickel with Olive Drab Chromate</p> <p>ZNU Aluminum / Zinc-Nickel with Black Chromate</p> <p>MT Aluminum / Nickel-PTFE RoHS Compliant</p> <p>Z1 Stainless Steel / Passivated RoHS Compliant</p>	<p>SEE CONTACT ARRANGEMENTS PAGE D-2</p>	<p>Connector supplied with contacts</p> <p>P Pin</p> <p>S Socket</p> <p>Connector supplied without contacts</p> <p>A Pin</p> <p>B Socket Connector</p> <p>Connectors with contacts are supplied with signal and/or power crimp contacts. These contacts are not installed.</p> <p>Coaxial contacts and non-standard signal contacts are ordered separately.</p>	<p>A Normal</p> <p>Alternate Key Positions:</p> <p>B C D E F</p>

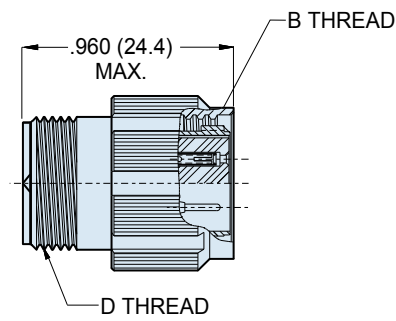
Dimensions in inches (millimeters) and are subject to change without notice.

Series 801 Mighty Mouse Double-Start ACME Threads Plug Connector Dimensions

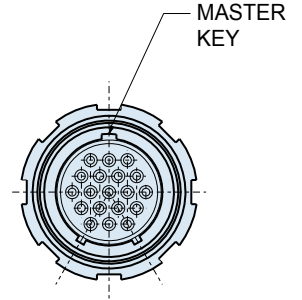
801-007 and 801-008



Integral Band Platform
801-007



Accessory Thread
801-008



DIMENSIONS								
Shell Size	Style 16		Style 26		B Thread	Ø C		D Thread UNEF-2A
	Ø A		Ø A			In.	mm.	
	In.	mm.	In.	mm.				
5	.540	13.72	.640	16.26	.3125-.05P-1L-2B	.245	6.22	.250-32
6	.600	15.24	.700	17.78	.375-.05P-1L-2B	.290	7.37	.3125-32
7	.680	17.27	.780	19.81	.4375-.05P-1L-2B	.390	9.91	.4375-28
8	.750	19.05	.850	21.59	.5000-.05P-1L-2B	.445	11.30	.5000-28
9	.810	20.57	.910	23.11	.5625-.05P-1L-2B	.500	12.70	.5625-24
10	.880	22.35	.980	24.89	.6250-.05P-1L-2B	.560	14.22	.6250-24
13	1.050	26.67	1.150	29.21	.8125-.1P-.2L-2B	.650	16.51	.6875-24
16	1.240	31.50	1.340	34.04	1.000-.1P-.2L-2B	.805	20.45	.9375-20
17	1.300	33.02	1.400	35.56	1.062-.1P-.2L-2B	.850	21.59	.9375-20
21	1.550	39.37	1.650	41.91	1.3125-.1P-.2L-2B	1.110	28.19	1.1875-18

PLUG KEY POSITIONS		
	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

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



Series 801 Mighty Mouse Double-Start ACME Threads Crimp Receptacle Connector Ordering Information
801-009 and 801-010



In-Line
Shell Style 01



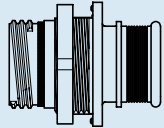
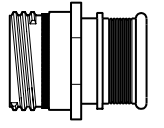
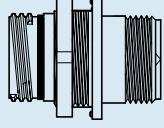
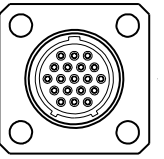
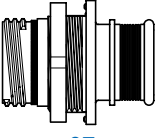
Rear Panel Jam Nut Mount
Shell Style 07



Square Flange Mount
Shell Style 02

HOW TO ORDER

Sample Part Number

801-010	-02	Z1	16-55	S	A
Series	Shell Style	Shell Material / Finish	Shell Size- Insert Arrangement	Contact Type	Shell Key Position
 801-009 Receptacle with Banding Platform	 -01 In-Line For Free-Hanging Cables	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 D-2	Connector supplied with contacts P Pin S Socket Connector supplied without contacts A Pin B Socket Connector Connectors with contacts are supplied with signal and/or power crimp contacts. These contacts are not installed. Coaxial contacts and non-standard signal contacts are ordered separately.	A Normal Alternate Key Positions: B C D E F
 801-010 Receptacle with Accessory Thread	 -02 Square Flange For Front or Rear Mounting	(Same as above)	(Same as above)	(Same as above)	(Same as above)
	 -07 Jam Nut For Rear Panel Mounting	(Same as above)	(Same as above)	(Same as above)	(Same as above)

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

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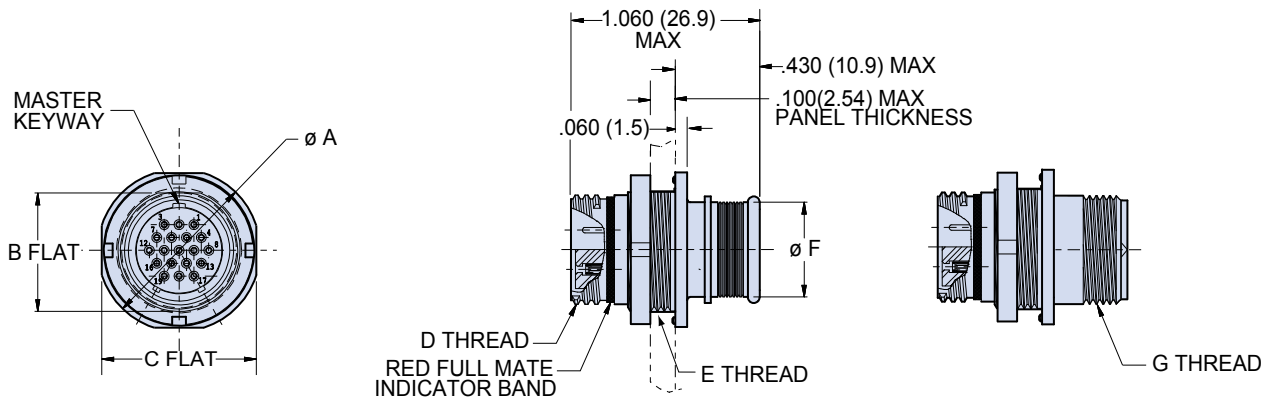
01-JANUARY-2010

Series 801 Mighty Mouse Double-Start ACME Threads Jam Nut Receptacle Connector Dimensions

801-009-07 and 801-010-07



Series 801



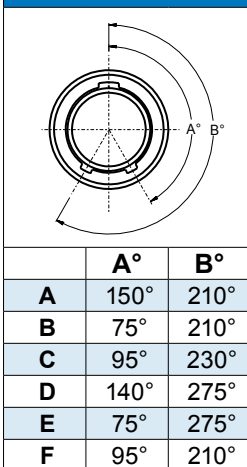
Integral Band Platform
801-009-07

Accessory Thread
801-010-07

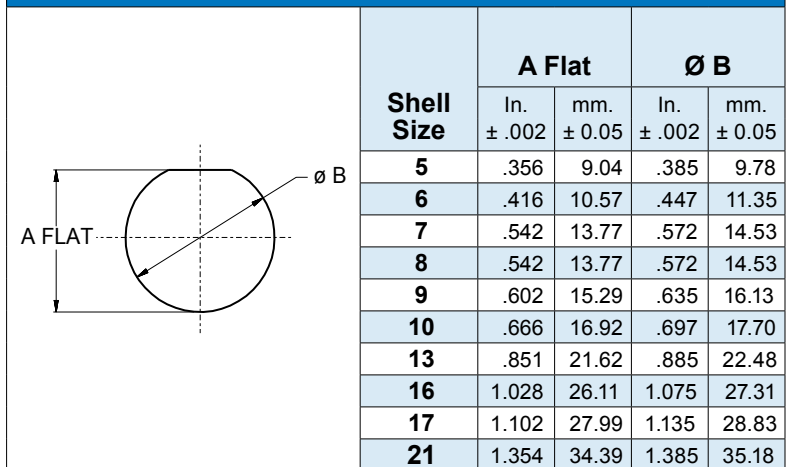
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DIMENSIONS											
Shell Size	Ø A		B Flat		C Flat		D Thread	E Thread UN-2A	Ø F		G Thread UN-2A
	In.	mm.	In.	mm.	In.	mm.			In.	mm.	
5	.575	14.61	.350	8.89	.545	13.84	.3125-.05P-.1L-2A	.375-28	.245	6.22	.250-32
6	.635	16.13	.410	10.41	.595	15.11	.375-.05P-.1L-2A	.4375-28	.290	7.37	.3125-32
7	.755	19.18	.536	13.61	.723	18.36	.4375-.05P-.1L-2A	.5625-32	.390	9.91	.4375-28
8	.755	19.18	.536	13.61	.723	18.36	.5000-.05P-.1L-2A	.5625-32	.445	11.30	.5000-28
9	.830	21.08	.596	15.14	.790	20.07	.5625-.05P-.1L-2A	.625-28	.500	12.70	.5625-24
10	.890	22.61	.658	16.71	.855	21.72	.6250-.05P-.1L-2A	.6875-28	.560	14.22	.6250-24
13	1.078	27.38	.845	21.46	1.044	26.52	.8125-.1P-.2L-2A	.875-28	.650	16.51	.6875-24
16	1.264	32.11	1.022	25.96	1.230	31.24	1.000-.1P-.2L-2A	1.0625-20	.805	20.45	.9375-20
17	1.325	33.66	1.096	27.84	1.290	32.77	1.062-.1P-.2L-2A	1.125-28	.850	21.59	.9375-20
21	1.625	41.28	1.345	34.16	1.577	40.06	1.3125-.1P-.2L-2A	1.375-28	1.110	28.19	1.1875-18

KEY POSITIONS



SERIES 801 JAM NUT PANEL CUTOUT



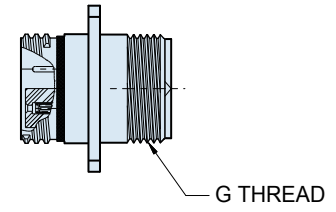
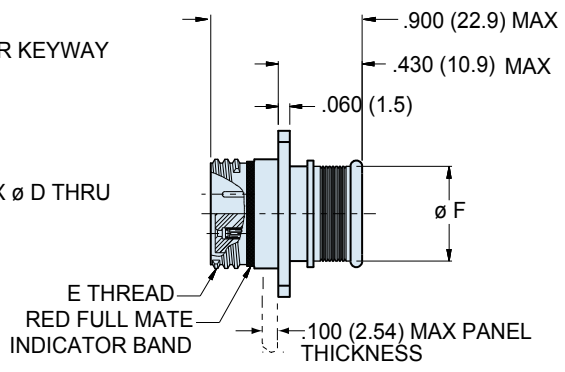
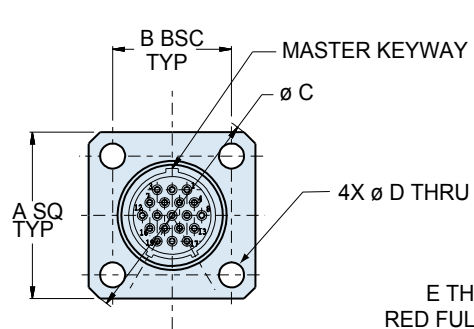
Dimensions in inches (millimeters) and are subject to change without notice.



Series 801 Mighty Mouse Double-Start ACME Threads Square Flange Receptacle Connector Dimensions

801-009-02 and 801-010-02

D



Integral Band Platform
801-009-02

Accessory Thread
801-010-02

DIMENSIONS

Shell Size	A		B BSC		ø C		ø D		E Thread	ø F		G Thread UNEF-2A
	In.	mm.	In.	mm.	In.	mm.	±			In.	mm.	
							.003	.08				
5	.530	13.46	.363	9.22	.680	17.27	.093	2.36	.3125-.05P-.1L-2A	.245	6.22	.250-32
6	.590	14.99	.423	10.74	.750	19.05	.093	2.36	.375-.05P-.1L-2A	.290	7.37	.3125-32
7	.650	16.51	.483	12.27	.850	21.59	.093	2.36	.4375-.05P-.1L-2A	.390	9.91	.4375-28
8	.712	18.08	.545	13.84	.938	23.83	.093	2.36	.5000-.05P-.1L-2A	.445	11.30	.5000-28
9	.850	21.59	.607	15.42	1.125	28.58	.128	3.25	.5625-.05P-.1L-2A	.500	12.70	.5625-24
10	.890	22.61	.670	17.02	1.188	30.18	.128	2.25	.6250-.05P-.1L-2A	.560	14.22	.6250-24
13	1.030	26.16	.812	20.62	1.375	34.93	.128	3.25	.8125-.1P-.2L-2A	.650	16.51	.6875-24
16	1.219	30.96	.981	24.92	1.625	41.28	.128	3.25	1.000-.1P-.2L-2A	.805	20.45	.9375-20
17	1.280	32.51	1.060	26.92	1.700	43.18	.128	3.25	1.062-.1P-.2L-2A	.850	21.59	.9375-20
21	1.430	36.32	1.205	30.61	1.938	49.23	.128	3.25	1.3125-.1P-.2L-2A	1.110	28.19	1.1875-18

SERIES 801 PANEL CUTOUT

Shell Size	ø A		ø B		ø C	
	In.	mm.	In.	mm.	In.	mm.
	5	.330	8.38	.363	9.22	.093
6	.390	9.91	.423	10.74	.093	2.36
7	.450	11.43	.483	12.27	.093	2.36
8	.510	12.95	.545	13.84	.093	2.36
9	.575	14.61	.607	15.42	.128	3.25
10	.640	16.26	.670	17.02	.128	3.25
13	.825	20.96	.812	20.65	.128	3.25
16	1.015	25.78	.981	24.92	.128	3.25
17	1.075	27.31	1.060	26.92	.128	3.25
21	1.325	33.66	1.205	30.61	.128	3.25

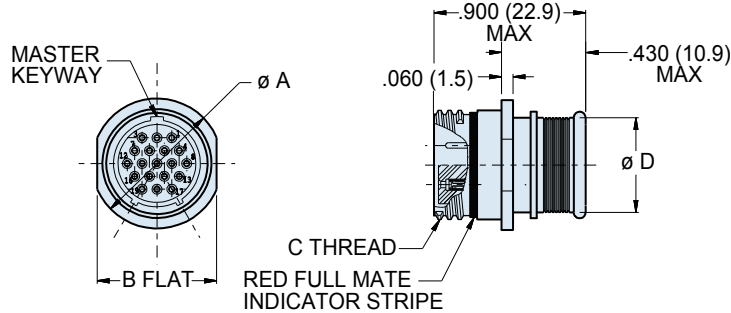
KEY POSITIONS

	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

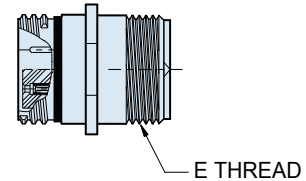
Dimensions in inches (millimeters) and are subject to change without notice.

Series 801 Mighty Mouse Double-Start ACME Threads In-Line Receptacle Connector Dimensions

801-009-01 and 801-010-01



Integral Band Platform
801-009-01



Accessory Thread
801-010-01

DIMENSIONS

Shell Size	Ø A		B Flat		C Thread	Ø D		E Thread UNEF-2A
	In.	mm.	In.	mm.		In.	mm.	
5	.355	9.02	.325	8.13	.3125-.05P-.1L-2A	.245	6.22	.250-32
6	.415	10.54	.385	9.78	.375-.05P-.1L-2A	.290	7.37	.3125-32
7	.480	12.19	.445	11.30	.4375-.05P-1L2A	.390	9.91	.4375-28
8	.540	13.72	.510	12.95	.5000-.05P-1L2A	.445	11.30	.5000-28
9	.605	15.37	.575	14.61	.5625-.05P-.1L-2A	.500	12.70	.5625-24
10	.665	16.89	.635	16.13	.6250-.05P-1L2A	.560	14.22	.6250-24
13	.855	21.72	.825	20.96	.8125-.1P-.2L-2a	.650	16.51	.6875-24
16	1.040	26.42	1.010	25.65	1.000-.1P-.2L-2A	.805	20.44	.9375-20
17	1.110	28.19	1.070	27.18	1.062-.1P-.2L-2A	.850	21.59	.9375-20
21	1.405	35.69	1.385	35.18	1.3125-.1P-.2L-2A	1.110	28.19	1.1875-18

KEY POSITIONS

	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

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



**Series 801 Printed
Circuit Board Receptacle**

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

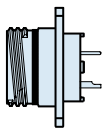
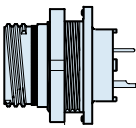
Water Immersion, Unmated

Specify **801-011** connectors for applications where open face water immersion is not a requirement. For MIL-STD-810 Method 512G immersion requirements, specify **801-033** watertight connectors. These 801-033 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.

D

HOW TO ORDER

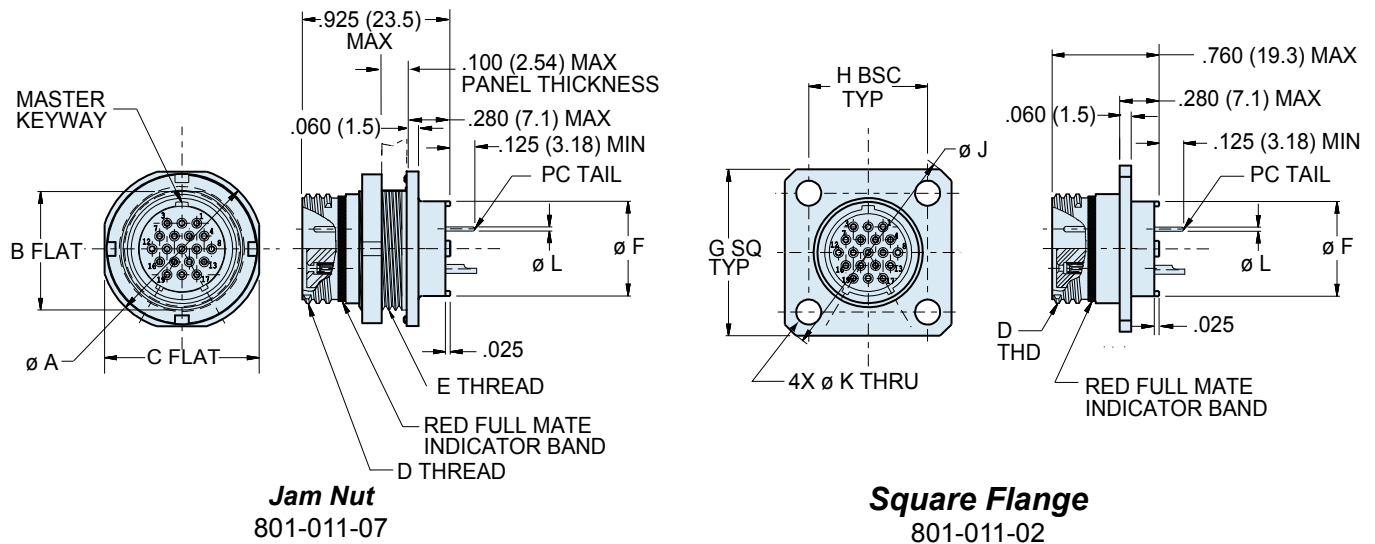
Sample Part Number

801-011	-07	M	7-10	P	A
Series	Shell Style	Shell Material / Finish	Shell Size- Insert Arrangement	Contact Type	Key Position
<p>801-011 Receptacle for Solder Cup or PCB Termination, with Standard Epoxy Potting</p>	 <p>-02 Square Flange</p>	<p>C Aluminum / Black Anodize (Non-Conductive) RoHS Compliant</p> <p>M Aluminum / Electroless Nickel RoHS Compliant</p> <p>NF Aluminum / Cadmium with Olive Drab Chromate</p> <p>ZN Aluminum / Zinc-Nickel with Olive Drab Chromate</p> <p>ZNU Aluminum / Zinc-Nickel with Black Chromate</p> <p>MT Aluminum / Nickel-PTFE RoHS Compliant</p> <p>Z1 Stainless Steel / Passivated RoHS Compliant</p>	<p>SEE CONTACT ARRANGEMENTS PAGE D-2</p>	<p>P Pin, PC Tail</p> <p>S Socket, PC Tail</p> <p>E Pin, Solder Cup</p> <p>F Socket, Solder Cup</p>	<p>A Normal</p> <p>Alternate Key Positions: B C D E F</p>
<p>801-033 Receptacle for Solder Cup or PCB Termination, With Special "MOD-518" Sealing For Open Face (unmated) Water Immersion Requirements. 100% Leak Tested.</p>	 <p>-07 Jam Nut</p>				

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

Series 801 Mighty Mouse Double-Start ACME Threads Jam Nut and Square Flange Connector Dimensions

801-011 and 801-033



Jam Nut
801-011-07

Square Flange
801-011-02

DIMENSIONS

Shell Size	Ø A		B Flat		C Flat		D Thread	E Thread UN-2A	Ø F		G Sq.		H BSC		Ø J		Ø K		Ø L Tail Dia.
	In.	mm.	In.	mm.	In.	mm.			In.	mm.	In.	mm.	In.	mm.	In.	mm.	±.003	±0.08	
5	.575	14.61	.350	8.89	.545	13.84	.3125-.05P-.1L-2A	.3750-28	.244	6.20	.530	13.46	.363	9.22	.680	17.27	.093	2.36	#23 .018/.022 (0.46/0.56)
6	.635	16.13	.410	10.41	.595	15.11	.375-.05P-.1L-2A	.4375-28	.330	8.38	.590	14.99	.423	10.74	.750	19.05	.093	2.36	
7	.755	19.18	.536	13.61	.723	18.36	.4375-.05P-1L2A	.5625-32	.432	10.97	.650	16.51	.483	12.27	.850	21.59	.093	2.36	
8	.755	19.18	.563	14.30	.723	18.36	.5000-.05P-.1L-2A	.5625-32	.493	12.52	.712	18.08	.545	13.84	.938	23.83	.093	2.36	#16 .060/.064 (1.52/1.63)
9	.830	21.08	.596	15.14	.790	20.07	.5625-.05P-.1L-2A	.6250-28	.551	14.00	.850	21.59	.607	15.42	1.125	28.58	.128	3.25	
10	.890	22.61	.658	16.71	.855	21.72	.6250-.05P-.1L-2A	.6875-28	.620	15.75	.890	22.61	.670	17.02	1.188	30.18	.128	3.25	
13	1.078	27.38	.845	21.46	1.044	26.52	.8125-.1P-.2L-2a	.875-28	.703	17.86	1.030	26.16	.812	20.62	1.375	34.93	.128	3.25	#12 .092/.096 (2.34/2.44)
16	1.264	32.11	1.022	25.96	1.230	31.24	1.000-.1P-.2L-2A	1.0625-20	.863	21.92	1.219	30.96	.981	24.92	1.625	41.28	.128	3.25	
17	1.325	33.66	1.096	27.84	1.290	32.77	1.062-.1P-.2L-2A	1.125-28	.912	23.16	1.280	32.51	1.060	26.92	1.700	43.18	.128	3.25	
21	1.625	41.28	1.345	34.16	1.577	40.06	1.3125-.1P-.2L-2A	1.375-28	1.170	29.72	1.565	39.75	1.322	33.58	2.100	53.34	.128	3.25	

PANEL CUTOUT

Shell Size	Ø A		Ø B		Ø C		D Flat		Ø E	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
5	.330	8.38	.363	9.22	.093	2.36	.356	9.04	.385	9.78
6	.390	9.91	.423	10.74	.093	2.36	.416	10.57	.447	11.35
7	.450	11.43	.483	12.27	.093	2.36	.542	13.77	.572	14.53
8	.510	12.95	.545	13.84	.093	2.36	.542	13.77	.572	14.53
9	.575	14.61	.607	15.42	.128	3.25	.602	15.29	.635	16.13
10	.640	16.26	.670	17.02	.128	3.25	.666	16.92	.697	17.70
13	.825	20.96	.812	20.65	.128	3.25	.851	21.62	.885	22.48
16	1.015	25.78	.981	24.92	.128	3.25	1.028	26.11	1.075	27.31
17	1.075	27.31	1.060	26.92	.128	3.25	1.102	27.99	1.135	28.83
21	1.330	33.78	1.322	33.58	.128	3.25	1.354	34.39	1.385	35.18

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



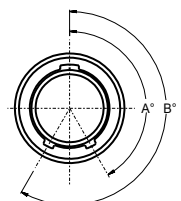
Glenair's right angle 801-023 connectors offer military grade performance in a small, lightweight package. These connectors are rated for MIL-STD-810 Method 512 immersion. High temperature thermoplastic housing withstands soldering temperatures. Stainless steel threaded inserts simplify attachment to printed circuit board.

- **Double-Start ACME Thread**
- **Right Angle Contacts**
- **High Temperature Housing**
- **Threaded Inserts**
- **Environmentally Sealed**

Series 801 Right Angle PCB Receptacle

HOW TO ORDER

Sample Part Number

801-023	-07	M	7-10	P	A																					
Series	Shell Style	Shell Material / Finish	Shell Size- Insert Arrangement	Contact Type	Shell Key Position																					
801-023 PCB Receptacle for Right Angle PC Board	-07 Jam Nut	C Aluminum / Black Anodize (Non-Conductive) RoHS Compliant	No. of Arrangement Contacts	P Pin S Socket	A Normal B Pos. B C Pos. C D Pos. D E Pos. E F Pos. F																					
		M Aluminum / Electroless Nickel RoHS Compliant	5-3 3 <hr/> 6-4 4 <hr/> 6-7 7 <hr/> 7-10 10 <hr/> 8-13 13 <hr/> 9-19 19																							
		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																								
					 <table border="1"> <thead> <tr> <th></th> <th>A°</th> <th>B°</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>150°</td> <td>210°</td> </tr> <tr> <td>B</td> <td>75°</td> <td>210°</td> </tr> <tr> <td>C</td> <td>95°</td> <td>230°</td> </tr> <tr> <td>D</td> <td>140°</td> <td>275°</td> </tr> <tr> <td>E</td> <td>75°</td> <td>275°</td> </tr> <tr> <td>F</td> <td>95°</td> <td>210°</td> </tr> </tbody> </table>		A°	B°	A	150°	210°	B	75°	210°	C	95°	230°	D	140°	275°	E	75°	275°	F	95°	210°
	A°	B°																								
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D	140°	275°																								
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F	95°	210°																								

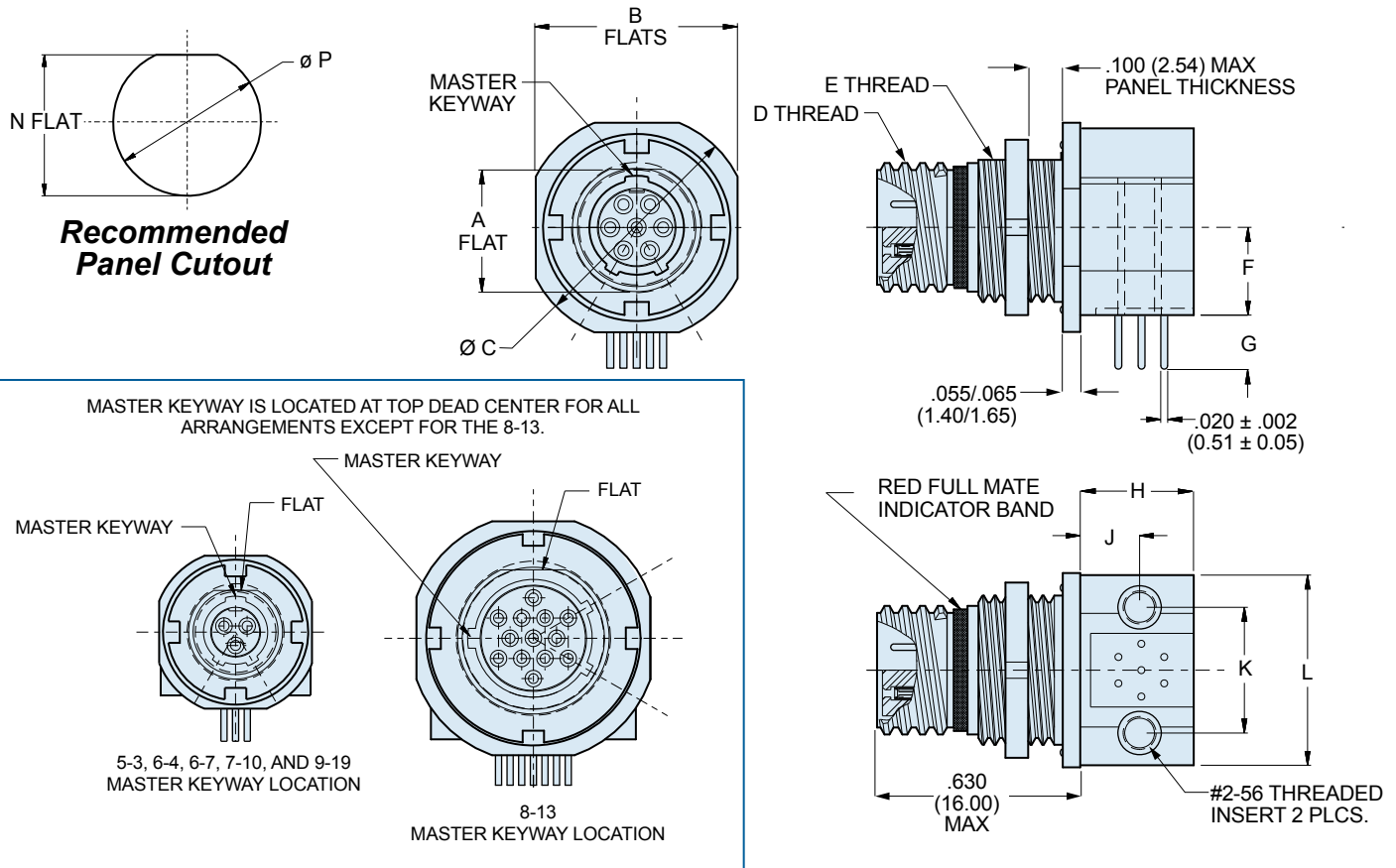
Dimensions in inches (millimeters) and are subject to change without notice.

Series 801 Mighty Mouse Double-Start ACME Threads Jam Nut Connector Dimensions

801-023-07



Series 801



DIMENSIONS

Shell Size/ Contact Arr.	A		B		$\varnothing C$		D Thread	E Thread	F		G	
	In.	mm.	In.	mm.	In.	mm.			In.	mm.	In.	mm.
	$\pm .005$	± 0.13							$\pm .035$	± 0.89		
5-3	.350	8.89	.545	13.84	.580	14.73	.3125-.05P-.1L-2A	.375-28 UN-2A	.225	5.72	.275	6.99
6-4	.410	10.41	.602	15.29	.635	16.13	.3750-.05P-.1L-DS-2A	.4375-28 UNEF-2A	.225	5.72	.292	7.42
6-7	.410	10.41	.602	15.29	.635	16.13	.3750-.05P-.1L-DS-2A	.4375-28 UNEF-2A	.225	5.72	.265	6.73
7-10	.536	13.61	.723	18.36	.755	19.18	.4375-.05P-.1L-DS-2A	.5625-32 UN-2A	.296	7.52	.273	6.93
8-13	.536	13.61	.723	18.36	.755	19.18	.5000-.05P-.1L-DS-2A	.5625-32 UN-2A	.319	8.10	.316	8.03
9-19	.595	15.11	.790	20.01	.830	21.08	.5625-.05P-.1L-DS-2A	.6250-28 UN-2A	.360	9.14	.275	6.99
Shell Size/ Contact Arr.	H		J		K		L		N		P	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
	$\pm .002$	± 0.05	$\pm .005$	± 0.13								
5-3	.260	6.60	.165	4.19	.310	7.87	.490	14.45	.357	9.07	.385	9.78
6-4	.345	8.76	.224	5.69	.385	9.78	.589	15.19	.418	10.62	.448	11.37
6-7	.345	8.76	.187	4.75	.408	10.36	.589	15.19	.418	10.62	.448	11.37
7-10	.345	8.76	.170	4.32	.452	11.48	.710	18.03	.544	13.82	.573	14.55
8-13	.490	12.45	.230	5.84	.490	12.45	.710	18.03	.544	13.82	.573	14.55
9-19	.490	12.45	.342	8.69	.600	15.24	.800	20.32	.603	15.32	.635	16.13

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

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01-JANUARY-2010

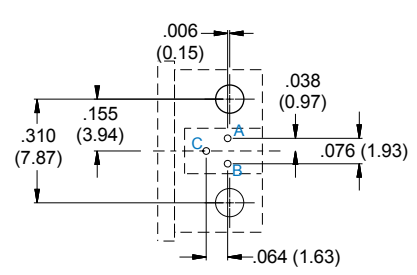


Series 801 Mighty Mouse Double-Start ACME Threads Right Angle PCB Receptacles 801-023 PCB Footprints

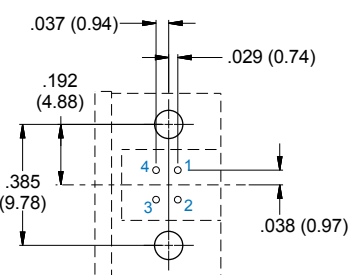
RIGHT ANGLE PCB FOOTPRINTS: PIN CONNECTORS

Patterns shown are for component mounting side of PCB.

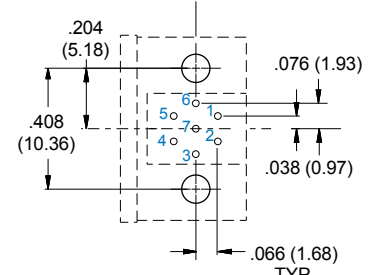
Contacts are .022 (0.56) max. diameter, mounting holes are .093 (2.36) diameter



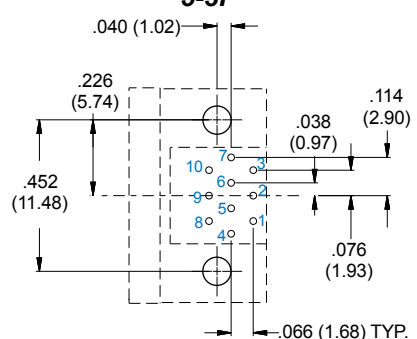
5-3P



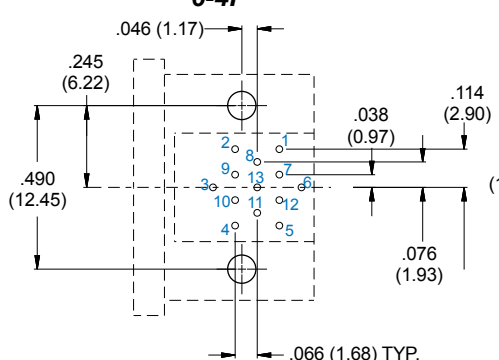
6-4P



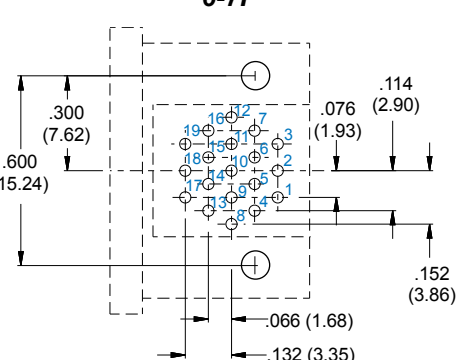
6-7P



7-10P



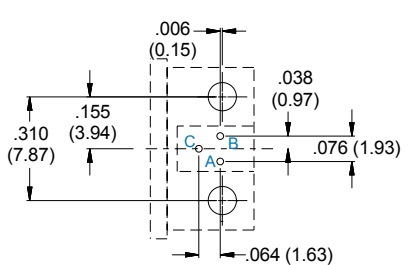
8-13P



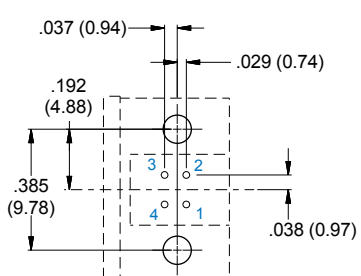
9-19P

RIGHT ANGLE PCB FOOTPRINTS: SOCKET CONNECTORS

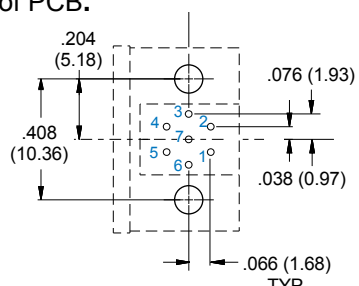
Patterns shown are for component mounting side of PCB.



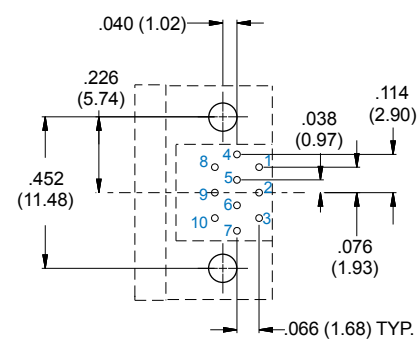
5-3S



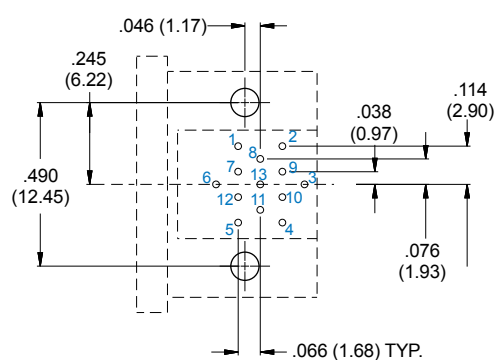
6-4S



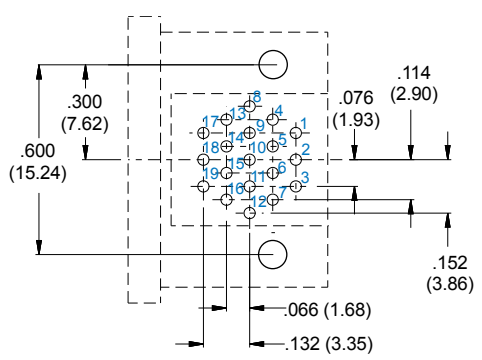
6-7S



7-10S



8-13S



9-19S

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

Series 801 Mighty Mouse Double-Start ACME Threads Hermetic Receptacle Ordering Information

801-012



Series 801



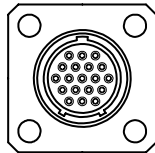
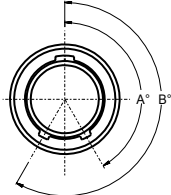
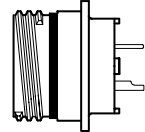
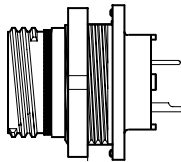
Series 801 Solder Mount Hermetic

Series 801 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 or **PC Tail Contacts** for attachment to flexible or rigid circuits or rigid boards.

HOW TO ORDER																										
Sample Part Number																										
801-012	-03	Z1	7-10	P	A																					
Series	Shell Style	Shell Material / Finish	Shell Size/Insert Arrangement	Contact Type	Shell Key Position																					
801-012 Hermetic Receptacles with Printed Circuit Board Contacts or Solder Cup Contacts	 -02 Square Flange	Z1 Stainless Steel / Passivated ZB Stainless Steel with Olive Drab Cadmium Finish	SEE CONTACT ARRANGEMENTS PAGE D-2	P Pin, Solder Cup C Pin, PC Tail S Socket, Solder Cup D Socket, PC Tail	A Normal B Pos. B C Pos. C D Pos. D E Pos. E F Pos. F  <table border="1"> <thead> <tr> <th></th> <th>A°</th> <th>B°</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>150°</td> <td>210°</td> </tr> <tr> <td>B</td> <td>75°</td> <td>210°</td> </tr> <tr> <td>C</td> <td>95°</td> <td>230°</td> </tr> <tr> <td>D</td> <td>140°</td> <td>275°</td> </tr> <tr> <td>E</td> <td>75°</td> <td>275°</td> </tr> <tr> <td>F</td> <td>95°</td> <td>210°</td> </tr> </tbody> </table>		A°	B°	A	150°	210°	B	75°	210°	C	95°	230°	D	140°	275°	E	75°	275°	F	95°	210°
						A°	B°																			
	A					150°	210°																			
B	75°	210°																								
C	95°	230°																								
D	140°	275°																								
E	75°	275°																								
F	95°	210°																								
 -03 Solder Mount	 -07 Jam Nut																									

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

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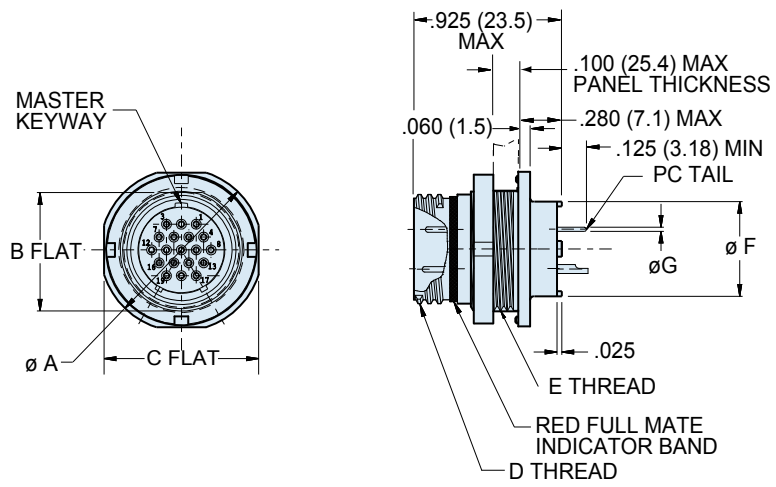
7 FEBRUARY - 2012



Series 801 Mighty Mouse Double-Start ACME Threads Hermetic Jam Nut Connector Dimensions

801-012-07

D



DIMENSIONS

Shell Size	Ø A		B Flat		C Flat		D Thread	E Thread UN-2A	Ø F		Ø G Tail Dia.
	In.	mm.	In.	mm.	In.	mm.			In.	mm.	
5	.575	14.61	.350	8.89	.545	13.84	.3125-.05P-.1L-2A	.375-28	.244	6.20	#23
6	.635	16.13	.410	10.41	.595	15.11	.375-.05P-.1L-2A	.4375-28	.330	8.38	.018/.022 (0.46/0.56)
7	.755	19.18	.536	13.61	.723	18.36	.4375-.05P-1L2A	.5625-32	.432	10.97	#20
8	.755	19.18	.536	13.61	.723	18.36	.5000-.05P-1L-2A	.5625-32	.493	12.52	.024/.028 (0.61/0.71)
9	.830	21.08	.596	15.14	.790	20.07	.5625-.05P-.1L-2A	.625-28	.551	14.00	#16
10	.890	22.61	.658	16.71	.855	21.72	.6250-.05P-1L-2A	.6875-28	.620	15.75	.060/.064 (1.52/1.63)
13	1.078	27.38	.845	21.46	1.044	26.52	.8125-.1P-.2L-2a	.875-28	.703	17.86	#12
16	1.264	32.11	1.022	25.96	1.230	31.24	1.000-.1P-.2L-2A	1.0625-20	.863	21.92	.092/.096 (2.34/2.44)
17	1.325	33.66	1.096	27.84	1.290	32.77	1.062-.1P-.2L-2A	1.125-28	.912	23.16	
21	1.625	41.28	1.345	34.16	1.577	40.06	1.3125-.1P-.2L-2A	1.375-28	1.170	29.72	

KEY POSITIONS

	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

SERIES 801 JAM NUT PANEL CUTOUT

Shell Size	A Flat		Ø B	
	In. ± .002	mm. ± 0.05	In. ± .002	mm. ± 0.05
5	.356	9.04	.385	9.78
6	.416	10.57	.447	11.35
7	.542	13.77	.572	14.53
8	.542	13.77	.572	14.53
9	.602	15.29	.635	16.13
10	.666	16.92	.697	17.70
13	.851	21.62	.885	22.48
16	1.028	26.11	1.075	27.31
17	1.102	27.99	1.135	28.83
21	1.354	34.39	1.385	35.18

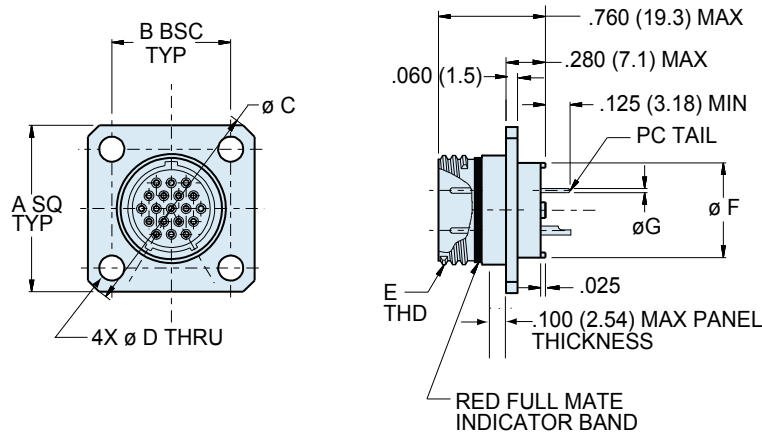
Dimensions in inches (millimeters) and are subject to change without notice.

Series 801 Mighty Mouse Double-Start ACME Threads Hermetic Square Flange Connector Dimensions

801-012-02



Series 801



DIMENSIONS

Shell Size	A		B BSC		Ø C		Ø D		E Thread	Ø F		Ø G Tail Dia
	In.	mm.	In.	mm.	In.	mm.	In. ±.003	mm. ± 0.08		In.	mm.	
5	.530	13.46	.363	9.22	.680	17.27	.093	2.36	.3125-.05P-1L-2A	.244	6.20	#23
6	.590	14.99	.423	10.74	.750	19.05	.093	2.36	.375-.05P-1L-2A	.330	8.38	.018/.022 (0.46/0.56)
7	.650	16.51	.483	12.27	.850	21.59	.093	2.36	.4375-.05P-1L2A	.432	10.97	#20
8	.712	18.08	.545	13.84	.938	23.83	.093	2.36	.5000-.05P-1L2A	.493	12.52	.024/.028 (0.61/0.71)
9	.850	21.59	.607	15.42	1.125	28.58	.128	3.25	.5625-.05P-1L-2A	.551	14.00	#16
10	.890	22.61	.670	17.02	1.188	30.18	.128	3.25	.6250-.05P-1L2A	.620	15.75	.060/.064 (1.52/1.63)
13	1.030	26.16	.812	20.62	1.375	34.93	.128	3.25	.8125-.1P-.2L-2A	.703	17.86	#12
16	1.219	31.96	.981	24.92	1.625	41.28	.128	3.25	1.000-.1P-.2L-2A	.863	21.92	.092/.096 (2.34/2.44)
17	1.280	32.51	1.060	26.92	1.700	43.18	.128	3.25	1.062-.1P-.2L-2A	.912	23.16	
21	1.430	36.32	1.205	30.61	1.938	49.23	.128	3.25	1.3125-.1P-.2L-2A	1.170	29.72	

SERIES 801 PANEL CUTOUT

Shell Size	Ø A		Ø B		Ø C	
	In.	mm.	In.	mm.	In.	mm.
5	.330	8.38	.363	9.22	.093	2.36
6	.390	9.91	.423	10.74	.093	2.36
7	.450	11.43	.483	12.27	.093	2.36
8	.510	12.95	.545	13.84	.093	2.36
9	.575	14.61	.607	15.42	.128	3.25
10	.640	16.26	.670	17.02	.128	3.25
13	.825	20.96	.812	20.65	.128	3.25
16	1.015	25.78	.981	24.92	.128	3.25
17	1.075	27.31	1.060	26.92	.128	3.25
21	1.325	33.66	1.205	30.61	.128	3.25

KEY POSITIONS

	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

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

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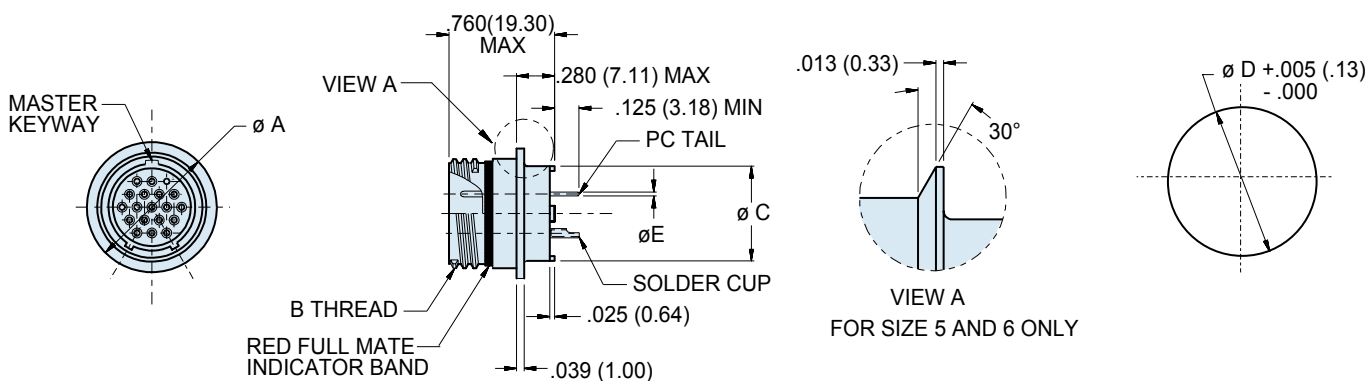
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**Series 801 Mighty Mouse Double-Start ACME Threads
Hermetic Solder Mount Connector Dimensions**
801-012-03

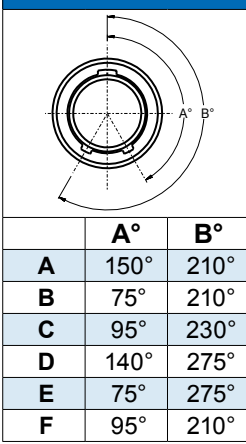


Solder Mount Hermetic
801-012-03

D

DIMENSIONS								
Shell Size	Ø A		B Thread	Ø C		Ø D Panel Cutout		Ø E Tail Dia.
	In.	mm.		In.	mm.	In.	mm.	
5	.395	10.03	.3125-.05P-.1L-2A	.244	6.20	.319	8.10	#23
6	.455	11.56	.375-.05P-.1L-2A	.330	8.38	.376	9.55	.018/.022 (0.46/0.56)
7	.520	13.21	.4375-.05P-1L-2A	.432	11.97	.438	11.13	#20
8	.580	14.73	.5000-.05P-1L-2A	.493	12.52	.438	11.13	.024/.028 (0.61/0.71)
9	.645	16.38	.5625-.05P-.1L-2A	.551	14.00	.563	14.30	#16
10	.705	18.01	.6250-.05P-1L-2A	.620	15.75	.438	11.13	.060/.064 (1.52/1.63)
13	.895	22.73	.8125-.1P-.2L-2A	.703	17.86	.814	20.68	#12
16	1.080	27.43	1.000-.1P-.2L-2A	.863	21.92	1.007	25.58	.092/.096 (2.34/2.44)
17	1.145	29.08	1.062-.1P-.2L-2A	.912	23.16	1.067	27.10	
21	1.395	35.43	1.3125-.1P-.2L-2A	1.170	29.72	1.320	33.53	

KEY POSITIONS



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

Series 801 Mighty Mouse Double-Start ACME Threads Sav-Con® Connector Saver Ordering Information

801-017



Series 801



801-017 Sav-Con®

Glenair Sav-Con® Connector Savers are designed to protect connectors that are subject to repeated mating and unmating cycles. Sav-Con® Connector Savers prevent costly repair or replacement of expensive connectors while preserving the quality and integrity of the connector by absorbing connect and disconnect abuse.

Protect Equipment

Equipment connectors that are mated frequently during manufacturing, test, check-out phases and environmental test programs can be protected by Glenair Sav-Con® Connector Savers.

Prolong the Service Life of Test Cables

Glenair Sav-Con® Connector Savers mated to test-cable connectors take the punishment of repetitive matings and unmatings.

HOW TO ORDER SERIES 801 SAV-CON® CONNECTORS

Sample Part Number

801-017	Z1	13-37	P	A
Series	Shell Material / Finish	Shell Size- Insert Arrangement	Contact Type	Shell Key Position
801-017 Series 801 Connector Saver	<p>C Aluminum / Black Anodize (Non-Conductive) RoHS Compliant</p> <p>M Aluminum / Electroless Nickel RoHS Compliant</p> <p>NF Aluminum / Cadmium with Olive Drab Chromate</p> <p>ZN Aluminum / Zinc-Nickel with Olive Drab Chromate</p> <p>ZNU Aluminum / Zinc-Nickel with Black Chromate</p> <p>MT Aluminum / Nickel-PTFE RoHS Compliant</p> <p>Z1 Stainless Steel / Passivated RoHS Compliant</p>	SEE CONTACT ARRANGEMENTS PAGE D-2	<p>P Pin Contact on Plug Side, Socket Contact on Receptacle Side</p> <p>S Socket Contact on Plug Side, Pin Contact on Receptacle Side</p>	<p>A Position A (Normal)</p> <p>B Position B</p> <p>C Position C</p> <p>D Position D</p>

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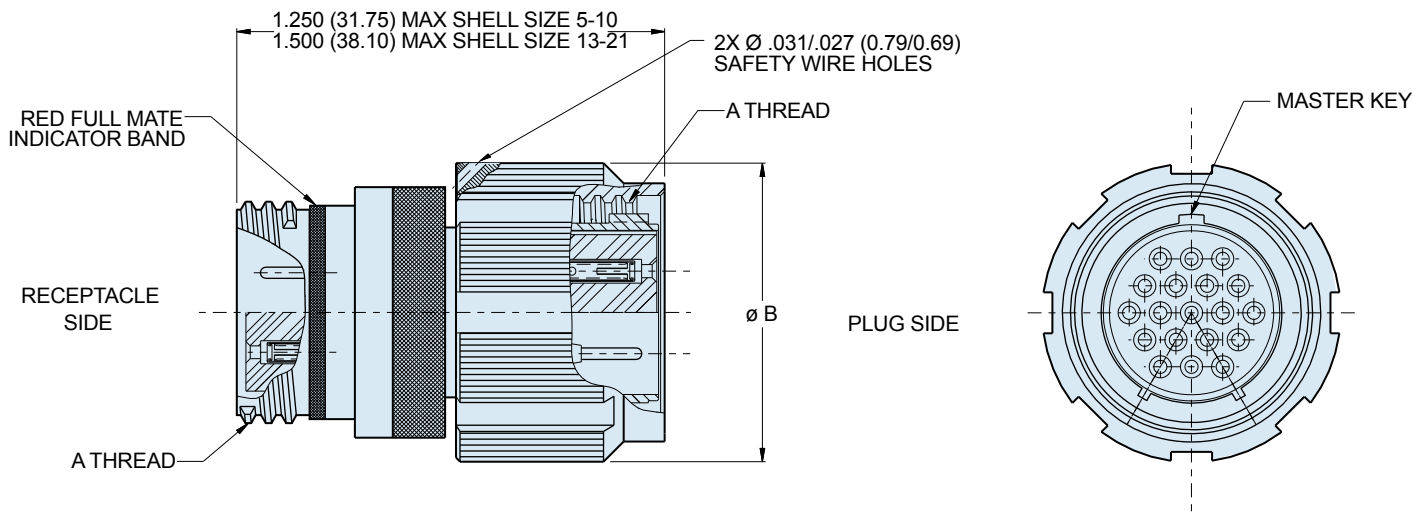
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DIMENSIONS

Shell Size	A Threads	Ø B	
		In.	mm.
5	.3125-.05P-.1L-2	.540	13.72
6	.375-.05P-.1L-2	.600	15.24
7	.4375-.05P-.1L-2	.680	17.27
8	.5000-.05P-.1L-2	.750	19.05
9	.5625-.05P-.1L-2	.810	20.57
10	.6250-.05P-.1L-2	.880	22.35
13	.8125-.1P-.2L-2	1.050	26.67
16	1.000-.1P-.2L-2	1.240	31.50
17	1.062-.1P-.2L-2	1.300	33.02
21	1.3125-.1P-.2L-2	1.550	39.37

SPECIFICATIONS

Current Rating	#23 5 AMPS, #20HD 7.5 A., #16 13 A., #12 23 A.
Dielectric Withstanding Voltage	#23 500 VAC RMS, #20HD 750 VAC, #12 and #16 1800 VAC
Insulation Resistance	5000 megohms minimum
Operating Temperature	-55° C. to +150° C.
Shock	300 g.
Vibration	37 g.
Shielding Effectiveness	55 dB minimum from 100MHz to 1000MHz.
Magnetic Permeability	2.0 µ maximum
Durability	2000 mating cycles

MATERIALS AND FINISHES

Shells, Jam Nuts	Aluminum alloy or stainless steel
Contacts	Copper alloy, 50 µInch gold plated
Insulators	Liquid crystal polymer (LCP)
Seal	Fluorosilicone rubber
See Series 80 General Information for complete material and finish specs.	

SERIES 801 KEY POSITIONS

PLUG	RECEPTACLE	
Key Position	Key Rotation	
	A	B
Normal (A)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°

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

Series 801 Mighty Mouse Double-Start ACME Threads Overmolded Cordset Ordering Information

801-026



Overmolded Cordset

Abrasion-Resistant Polyurethane Jacket provides cold temperature flexibility and high strength. Low smoke/zero halogen material meets requirements for low toxicity.

90% Tinned Copper Braid is terminated directly to connector with stainless steel **BAND-IT®** strap.

Watertight Overmold provides strain relief and protection.

Series 801 Harsh Environment Shielded Cordsets

These overmolded cordsets withstand abrasion and chemical exposure. Low smoke zero halogen jacket reduces the amount of toxic and corrosive gasses emitted during combustion. Cable construction features silver coated stranded conductors with TFE insulation, tinned copper braid shield and extruded polyurethane jacket. Choose single-ended pigtails or double-ended "back-to-back" versions. Braid shield is attached directly to connector with **BAND-IT®** straps. Semi-rigid polyamide overmold provides strain relief and environmental sealing.

Series 801 cordsets are now available with size #20HD, #16 and #12 contacts. Ordering information is found on the following pages.

HARSH ENVIRONMENT CORDSET SPECIFICATIONS

Cable Jacket Material	Thermoplastic Polyurethane, Black, Low-Smoke, Zero-Halogen
Cable Shield	Tin-Coated Copper Braid, 90% Minimum Coverage
Conductors	Silver Coated Stranded Wire, TFE Insulated, Per M22759/11
BAND-IT® Shield Termination Band	Stainless Steel
Current Rating	#23 5 Amps, #20HD 7.5 Amps, #16 13 Amps, #12 23 Amps
Test Voltage (Dielectric Withstanding Voltage)	#23 500 VAC, #20HD 750 VAC, #16 and #12 1800 VAC Sea Level
Insulation Resistance	200 megohms minimum
Operating Temperature	-30° C. to +105° C.
Solvent Resistance, Polyamide Overmold	Excellent Resistance to Most Solvents, Fuels, and Oils; Poor Resistance to Strong Acids and Bipolar Solvents (Alcohol)
Shielding Effectiveness	50 dB minimum from 100MHz to 1000MHz.
Cable jacket Flammability and Toxicity	Toxicity Index 3.9 per NES 713 Oxygen Index 28% per ASTM D-2863 Smoke Index 24 per NES 711

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



Series 801 Mighty Mouse Double-Start ACME Threads Overmolded Cordset Ordering Information

801-026 and 801-034

SERIES 801 CORDSETS WITH #23 SIGNAL CONTACTS

Sample Part Number								
801-026	-A	C	4	M	7-10	N	A	-36
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
801-026 Overmolded Cordset, with size #23 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	#22 AWG	M Aluminum / Electroless Nickel	5-3	P Metal Protective Covers Included	A Normal	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	4 #24 AWG	NF Aluminum / Cadmium with Olive Drab Chromate	6-4 6-7 7-10	N No Covers Supplied	B Pos. B	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts		ZNU Aluminum / Zinc-Nickel with Black Chromate	8-13 9-19		C Pos. C	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts		MT Aluminum / Nickel-PTFE	10-26 13-37		D Pos. D	
				Z1 Stainless Steel / Passivated	16-55 17-85		E Pos. E	
			N No Connector (Single-Ended)				F Pos. F	

SERIES 801 CORDSETS WITH #20HD SIGNAL CONTACTS

Sample Part Number								
801-034	-A	C	0	M	7-25	N	A	-36
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
801-034 Overmolded Cordset, with size #20HD Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	#20 AWG	M Aluminum / Electroless Nickel	6-23	P Metal Protective Covers Included	A Normal	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	2 #22 AWG	NF Aluminum / Cadmium with Olive Drab Chromate	7-25 8-28 9-210	N No Covers Supplied	B Pos. B	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts		ZNU Aluminum / Zinc-Nickel with Black Chromate	13-220 16-235		C Pos. C	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts		MT Aluminum / Nickel-PTFE	17-241		D Pos. D	
				Z1 Stainless Steel / Passivated			E Pos. E	
			N No Connector (Single-Ended)				F Pos. F	

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**Series 801 Mighty Mouse Double-Start ACME Threads
Overmolded Cordset Ordering Information**
801-031 and 801-032



SERIES 801 CORDSETS WITH #16 POWER CONTACTS

Sample Part Number								
801-031	-C	D	6	Z1	13-7	P	A	-72
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
801-031 Overmolded Cordset, with Size #16 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	6 #16 AWG	M Aluminum / Electroless Nickel	6-1	P Metal Protective Covers Included N No Covers Supplied	A Normal	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	8 #18 AWG	NF Aluminum / Cadmium with Olive Drab Chromate	8-2		B Pos. B	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts		ZNU Aluminum / Zinc-Nickel with Black Chromate	9-4		C Pos. C	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts		MT Aluminum / Nickel-PTFE	10-5		D Pos. D	
		N No Connector (Single-Ended)		Z1 Stainless Steel / Passivated	13-7		E Pos. E	
					16-12		F Pos. F	
					17-14			

SERIES 801 CORDSETS WITH #12 POWER CONTACTS

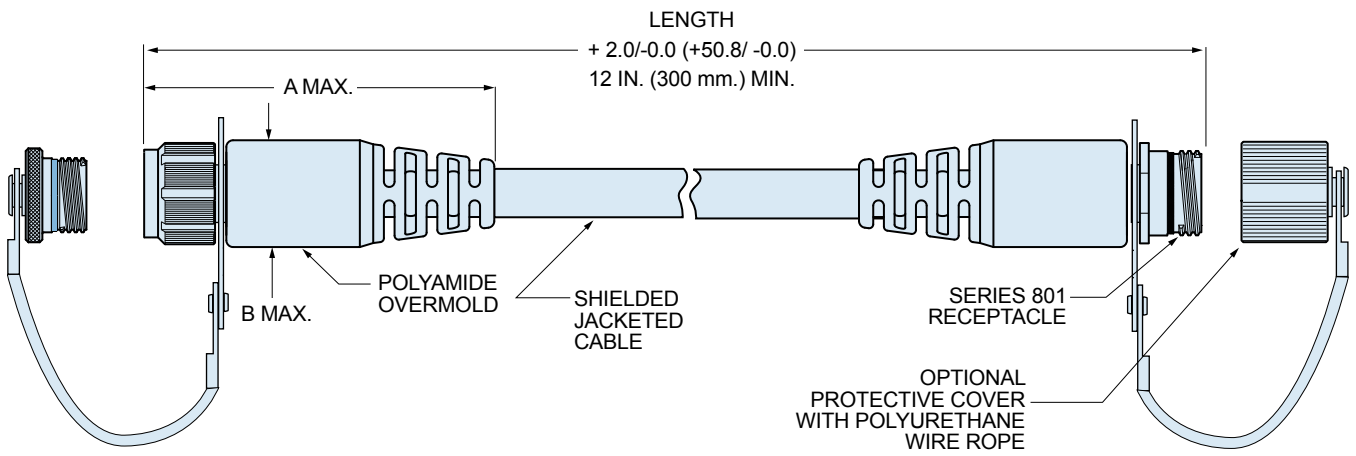
Sample Part Number								
801-032	-B	N	2	NF	17-7	N	A	-48
Series	End A Connector	End B Connector	Wire Size	Shell Material / Finish	Insert Arr.	Protective Cover	Shell Key Pos.	Length
801-032 Overmolded Cordset, with Size #12 Contacts	-A Plug, with Male Pin Contacts	A Plug, with Male Pin Contacts	2 #12 AWG	M Aluminum / Electroless Nickel	7-1	P Metal Protective Covers Included N No Covers Supplied	A Normal	Overall Length In Inches 12 Inch Min.
	-B Plug, with Female Socket Contacts	B Plug, with Female Socket Contacts	4 #14 AWG	NF Aluminum / Cadmium with Olive Drab Chromate	10-2		B Pos. B	
	-C Receptacle, with Male Pin Contacts	C Receptacle, with Male Pin Contacts		ZNU Aluminum / Zinc-Nickel with Black Chromate	13-2		C Pos. C	
	-D Receptacle, with Female Socket Contacts	D Receptacle, with Female Socket Contacts		MT Aluminum / Nickel-PTFE	13-3		D Pos. D	
		N No Connector (Single-Ended)		Z1 Stainless Steel / Passivated	16-5		E Pos. E	
					17-7		F Pos. F	

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

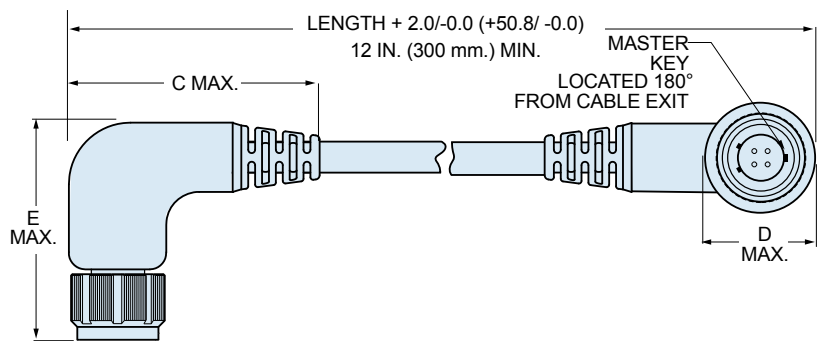


Series 801 Mighty Mouse Double-Start ACME Threads Overmolded Cordset Dimensions

D



RIGHT ANGLE CORDSETS



How To Order Right Angle Cordsets
 Insert the letter "R" after the End A or End B Connector letter designator.

Example

- Straight cable 801-026-AC4Z16-4PA-72
- Right Angle 801-026-ARCR4Z16-4PA-72

DIMENSIONS										
Shell Size	A Max.		B Max.		C Max.		D Max.		E Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
5	2.2	55.88	0.6	15.24	1.5	38.1	0.6	15.24	1.9	48.26
6	2.2	55.88	0.6	15.24	1.5	38.1	0.6	15.24	1.9	48.26
7	2.2	55.88	0.7	17.78	1.5	38.1	0.7	17.78	2.1	53.34
8	2.3	58.42	0.75	19.05	1.6	40.64	0.75	19.05	2.2	55.88
9	2.6	66.04	0.85	21.59	1.9	48.26	0.85	21.59	2.4	60.96
10	2.6	66.04	0.85	21.59	1.9	48.26	0.85	21.59	2.4	60.96
13	2.9	73.66	1.1	27.94	2.2	55.88	1.1	27.94	2.9	73.66
16	3.2	81.28	1.3	33.02	2.5	63.5	1.3	33.02	3.3	83.82
17	3.7	93.98	1.4	35.56	3.0	76.2	1.4	35.56	3.5	88.90

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

Series 801 Mighty Mouse Double-Start ACME Threads Metal Protective Cover Ordering Information

667-217 and 667-218



Series 801



Protect Connectors From Damage

Machined aluminum covers have rubber gaskets for a watertight fit.

Stainless Steel Fittings and Rings Choose small diameter eye fittings for panel attachment. Larger rings fit under the jam nut or over cable jackets. Split rings can be installed on fully assembled cables.

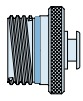
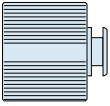

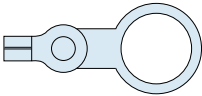
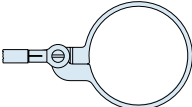
Polyurethane-Coated SST Wire Rope

offers high strength, excellent abrasion resistance and good flexibility. Or, choose Teflon® jacket for high temperature exposure.

Braided Nylon Rope provides excellent flexibility and good abrasion resistance, and can be ordered with slip knot fittings for easy installation on any size cable.

HOW TO ORDER

Sample Part Number

667-217	-M	-G	9	04	-6	
Series	Shell Material / Finish	Attachment Type	Shell Size	Attachment Code	Attachment Length in Inches	
 <p>667-217 Protective Cover for use with Series 801 Plugs</p>  <p>667-218 Protective Cover for use with Series 801 Receptacles</p>	<p>C Aluminum / Black Anodize (Non-Conductive) RoHS Compliant</p> <p>M Aluminum / Electroless Nickel RoHS Compliant</p> <p>NF Aluminum / Cadmium with Olive Drab Chromate</p> <p>ZN Aluminum / Zinc-Nickel with Olive Drab Chromate</p> <p>ZNU Aluminum / Zinc-Nickel with Black Chromate</p> <p>MT Aluminum / Nickel-PTFE RoHS Compliant</p> <p>Z1 Stainless Steel / Passivated RoHS Compliant</p>	<p>-G Nylon Rope</p> <p>-H SST Wire Rope, Teflon® Jacket</p> <p>-N No Attachment</p> <p>-S SST Sash Chain</p> <p>-SK Nylon Rope With Slip Knot</p> <p>-T SST Wire Rope, No Jacket</p> <p>-U SST Wire Rope, Polyurethane Jacket</p> <p>"SST" = Stainless Steel</p>	<p>5</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p> <p>13</p> <p>16</p> <p>17</p> <p>21</p>	<p>Omit for attachment Types N (No Attachment) and SK (Slip Knot)</p>	<p>Omit for attachment Type N (No Attachment) Example "-6" equals six inch length</p>	
				 <p>Small Ring</p>		<p>01 - .126 (3.20) I.D.</p> <p>02 - .145 (3.68) I.D.</p> <p>04 - .188 (4.78) I.D.</p> <p>06 - .197 (5.00) I.D.</p>
				 <p>Large Ring</p>		<p>14 - .385 (9.78) I.D.</p> <p>15 - .445 (11.30) I.D.</p> <p>16 - .570 (14.48) I.D.</p> <p>17 - .635 (16.13) I.D.</p> <p>18 - .695 (17.65) I.D.</p> <p>19 - .885 (22.48) I.D.</p> <p>20 - 1.070 (27.17) I.D.</p> <p>21 - 1.135 (28.83) I.D.</p> <p>22 - 1.210 (30.73) I.D.</p> <p>23 - 1.275 (32.39) I.D.</p> <p>24 - 1.375 (34.94) I.D.</p>
				 <p>Split Ring</p>		<p>50 - .420 (10.67) I.D.</p> <p>52 - .480 (12.19) I.D.</p> <p>54 - .635 (16.13) I.D.</p> <p>56 - .745 (18.92) I.D.</p> <p>58 - .885 (22.48) I.D.</p> <p>60 - 1.010 (25.65) I.D.</p> <p>64 - 1.125 (28.58) I.D.</p> <p>68 - 1.345 (34.16) I.D.</p>

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

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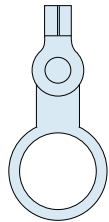
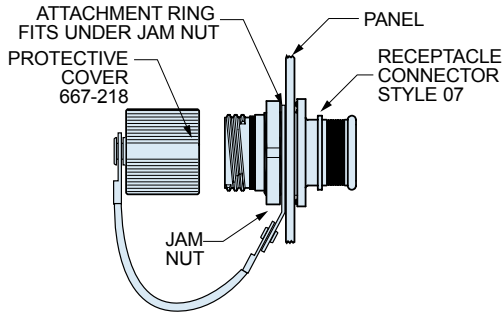
01-JANUARY-2010



Series 801 Mighty Mouse Double-Start ACME Threads Metal Protective Cover Dimensions

667-217 and 667-218

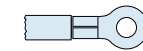
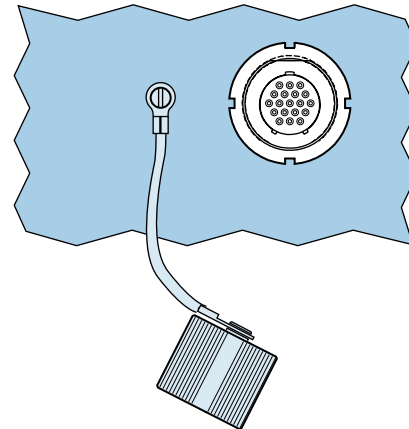
Attaching a 667-218 Receptacle Cover to a Rear Panel Mounted Jam Nut Receptacle



Solid Ring

Dia. Code	Shell Size	Ring I.D.		Ring O.D.	
		In.	mm.	In.	mm.
		± .010	±0.25	± .015	± 0.38
14	5	.385	9.78	.510	12.95
15	6	.445	11.30	.565	14.35
16	7, 8	.570	14.48	.685	17.40
17	9	.635	16.13	.760	19.30
18	10	.695	17.65	.820	20.82
19	13	.885	22.48	1.010	25.65
20	16	1.070	27.17	1.195	30.35
21	17	1.135	28.83	1.250	31.75
24	21	1.375	34.93	1.490	37.85

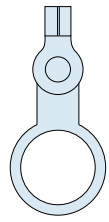
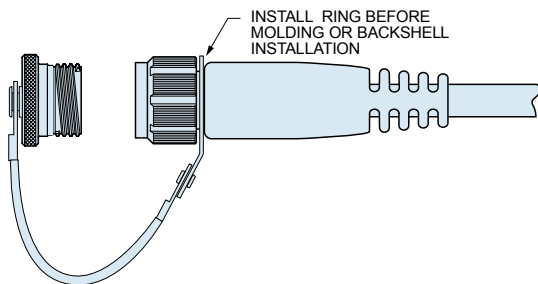
Attaching a Cover to a Panel With a Screw



Small Ring for Attaching Receptacle Covers to a Panel with a Screw

Dia. Code	Screw Size	Ring I.D.		Ring O.D.	
		In.	mm.	In.	mm.
		±.005	±0.13	Max.	Max.
01	#4, M3	.126	3.20	.31	7.9
02	#6	.145	3.68	.31	7.9
04	#8, M4	.188	4.78	.31	7.9
06	#10	.197	5.00	.31	7.9

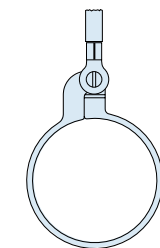
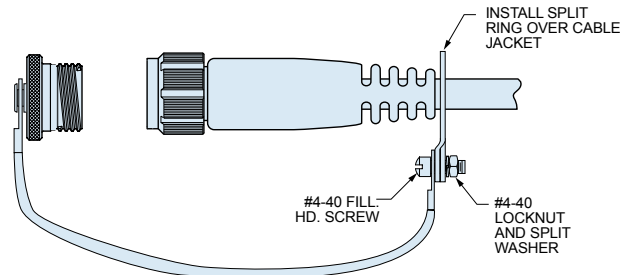
Attaching a Cover to a Cable Assembly With a Solid Ring



Solid Ring

Dia. Code	Shell Size	Ring I.D.		Ring O.D.	
		In.	mm.	In.	mm.
		± .010	±0.25	± .015	± 0.38
14	5,6	.385	9.78	.510	12.95
15	7	.445	11.30	.565	14.35
16	8, 9	.570	14.48	.685	17.40
18	10, 13	.695	17.65	.820	20.82
20	16, 17	1.070	27.17	1.195	30.35
22	21	1.210	30.73	1.312	33.32

Attaching a Cover to a Cable Using a Split Ring



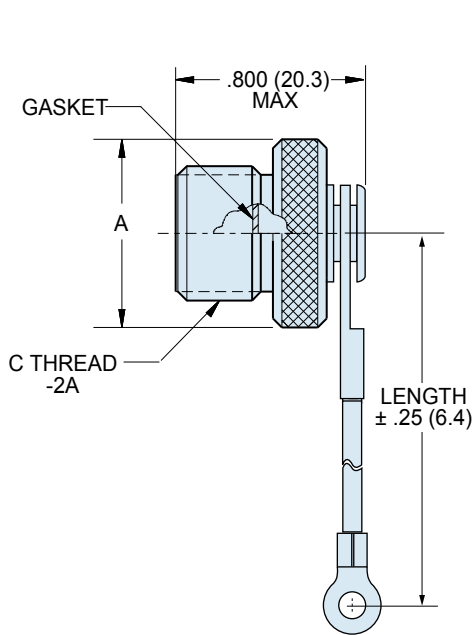
Large Split Ring for Attaching Covers to Cables

Dia. Code	Max. Cable Dia. (in.)	Ring Diameter			
		Min. ID		Max. OD	
		In.	mm.	In.	mm.
50	.410	.420	10.67	.580	14.73
52	.470	.480	12.19	.640	16.26
54	.625	.635	16.13	.796	20.22
56	.735	.745	18.92	.905	22.99
58	.875	.885	22.48	1.046	26.57
60	1.000	1.010	25.65	1.171	29.74
64	1.115	1.125	28.58	1.285	32.64
68	1.335	1.345	34.16	1.505	38.23

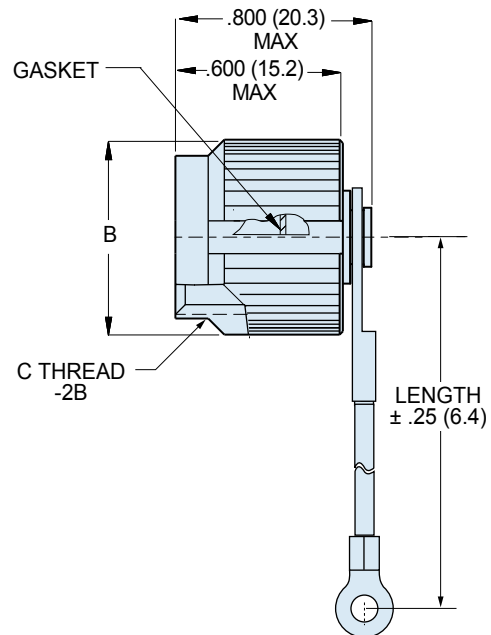
Dimensions in inches (millimeters) and are subject to change without notice.

Series 801 Mighty Mouse Double-Start ACME Threads Metal Protective Cover Dimensions

667-217 and 667-218



667-217 Plug Cover








667-218 Receptacle Cover

Shell Size	A Max.		B Max.		C
	In.	mm.	In.	mm.	
5	.465	11.81	.488	12.40	.3125-.05P-1L
6	.525	13.34	.555	14.10	.375-.05P-1L
7	.590	14.99	.615	15.62	.4375-.05P-1L
8	.653	16.59	.675	17.15	.5000-.05-.1L
9	.715	18.16	.840	21.34	.5625-.05P-.1L
10	.778	19.76	.905	22.95	.6250-.05P-1L
13	.965	24.51	.995	25.27	.8125-.1P-.2L
16	1.150	29.21	1.261	32.03	1.000-.1P-.2L
17	1.215	30.86	1.321	33.55	1.062-.1P-.2L
21	1.477	37.52	1.570	39.88	1.3125-.1P-.2L

MATERIALS AND FINISHES

Cover	Aluminum alloy or stainless steel
Gasket	Silicone rubber
Wire, Hardware	Stainless steel, passivated

LANYARD OPTIONS

 Nylon Rope	-55° to +100°C., black, very flexible, very good abrasion resistance, good resistance to fuels, .120" (3mm) diameter
 Polyurethane Coated Wire Rope	Black polyurethane over stainless steel rope, -55° to +125°C., very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter
 Teflon® Jacketed Wire Rope	Translucent FEP jacket over stainless steel, -55° to +200°C., fair flexibility, good abrasion resistance, .100" diameter
 Sash Chain	Stainless steel, #8 chain, .240" (6mm)
 Slip Knot (SK) for Attaching Covers to Cable	55° to +100°C., black, very flexible, very good abrasion resistance, good resistance to fuels, .120" (3mm) diameter. Length includes .5" (13mm) diameter loop.

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



Series 801 Mighty Mouse Double-Start ACME Threads Rubber Protective Cover Ordering Information

809-190 and 809-191



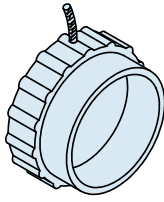
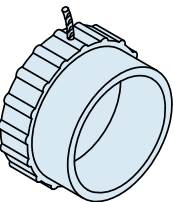

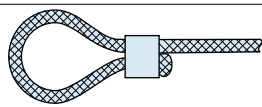

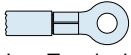
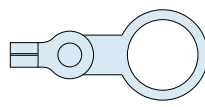
These *splashproof molded rubber covers* fit all Series 801 plugs and receptacles. Braided black nylon lanyard is available with metal rings, cable tie or slipknot for attachment to panel or to cable. -40° to +120° C operating temperature, fungus resistant per MIL-STD-810G Method 508.6.

MATERIALS	
Cover	Neoprene rubber blend, black
Lanyard	.062" (1.57) diameter nylon cord, black
Cable Tie	6/6 nylon, black, SST locking tab
Ring	Stainless steel, black zinc-cobalt finish
Crimp Sleeve	Copper Alloy, black zinc-cobalt finish

D

HOW TO ORDER

Sample Part Number

809-191	- 05	G	6	- SCS	C
Series	Shell Size	Lanyard Type	Lanyard Length	Attachment Code	Conductive Rubber
 <p>809-190 Protective Cover for use with Series 801 Receptacles</p>  <p>809-191 Protective Cover for use with Series 801 Plugs</p>	<p>-05 -06 -07 -08 -09 -10 -13 -16 -17</p>	<p>-G Nylon Rope (Omit for no lanyard)</p>	<p>Length in Inches</p>	 <p>-WS Nylon Cable Tie, 1.77 Inch (45mm) Maximum Wire Bundle Diameter</p>	<p>Omit for Standard Neoprene</p> <p>C Conductive Rubber</p>
				 <p>-SCS Adjustable Slip Knot with Crimp Sleeve. The sleeve can be crimped with pliers for a permanent attachment.</p>	
				 <p>-00 Lanyard With No Attachment (Fused End)</p>	
				<p>Lug Terminals and Rings</p>	
 <p>Lug Terminal</p>	<p>-01 - .126 (3.20) I.D. -02 - .145 (3.68) I.D. -06 - .188 (4.78) I.D. -07 - .197 (5.00) I.D.</p>				
 <p>Solid Ring</p>	<p>-08 - .385 (9.78) I.D. -09 - .445 (11.30) I.D. -10 - .516 (13.11) I.D. -11 - .570 (14.48) I.D. -12 - .583 (14.81) I.D. -13 - .635 (16.13) I.D. -14 - .695 (17.65) I.D. -15 - .776 (19.71) I.D. -16 - .885 (22.48) I.D. -17 - .896 (25.76) I.D. -18 - 1.015 (25.78) I.D. -19 - 1.070 (27.18) I.D. -20 - 1.135 (28.83) I.D. -21 - 1.141 (28.98) I.D.</p>				

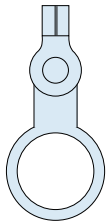
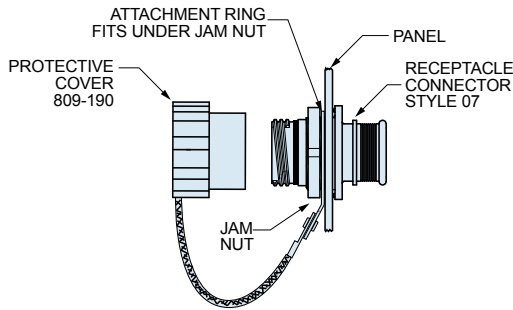
Dimensions in inches (millimeters) and are subject to change without notice.

Series 801 Mighty Mouse Double-Start ACME Threads Rubber Protective Cover Ordering Information

809-190 and 809-191



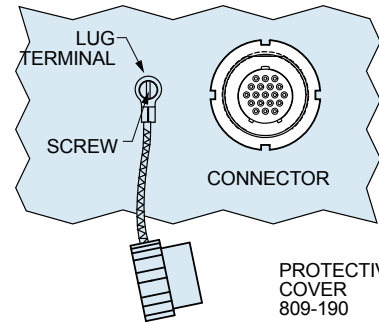
Attaching a 809-190 Receptacle Cover to a Rear Panel Mounted Jam Nut Receptacle



Solid Ring

Dia. Code	Shell Size	Ring I.D.		Ring O.D.	
		In.	mm.	In.	mm.
08	5	±.010	±0.25	±.015	± 0.38
09	6	.385	9.78	.510	12.95
11	7, 8	.445	11.30	.565	14.35
13	9	.570	14.48	.685	17.40
14	10	.635	16.13	.760	19.30
16	13	.695	17.65	.820	20.82
19	16	.885	22.48	1.010	25.65
20	17	1.070	27.17	1.195	30.35
		1.135	28.83	1.250	31.75

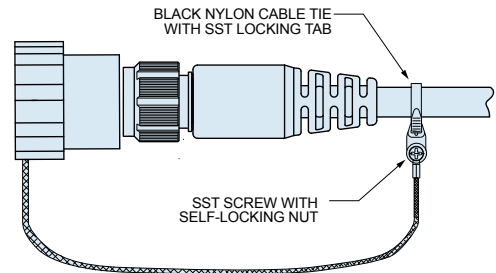
Attaching a Cover to a Panel With a Screw



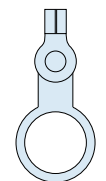
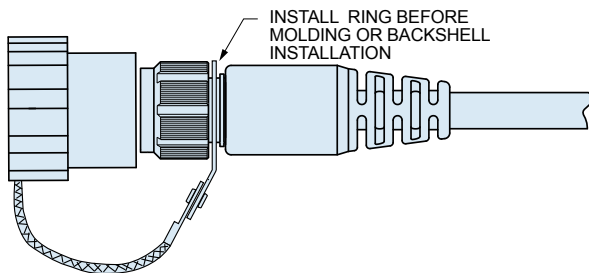
Lug Terminal for Attaching Receptacle Covers to a Panel with a Screw

Dia. Code	Screw Size	Ring I.D.		Ring O.D.	
		In.	mm.	In.	mm.
01	#4, M3	±.005	±0.13	Max.	Max.
02	#6	.126	3.20	.31	7.9
06	#8, M4	.145	3.68	.31	7.9
07	#10	.188	4.78	.31	7.9
		.197	5.00	.31	7.9

Attaching a Cover to a Cable Assembly With Type WS Cable Tie



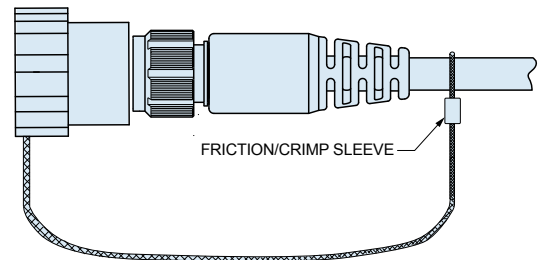
Attaching a Cover to a Cable Assembly With a Solid Ring



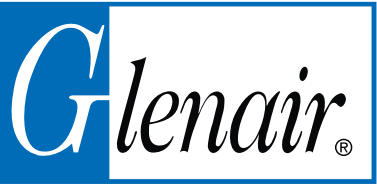
Large Ring

Dia. Code	Shell Size	Ring I.D.		Ring O.D.	
		In.	mm.	In.	mm.
08	5,6	±.010	±0.25	±.015	± 0.38
09	7	.385	9.78	.510	12.95
11	8, 9	.445	11.30	.565	14.35
14	10, 13	.570	14.48	.685	17.40
19	16, 17	.695	17.65	.820	20.82
		1.070	27.17	1.195	30.35

Attaching a Cover to a Cable Assembly With Type SCS Slip Knot

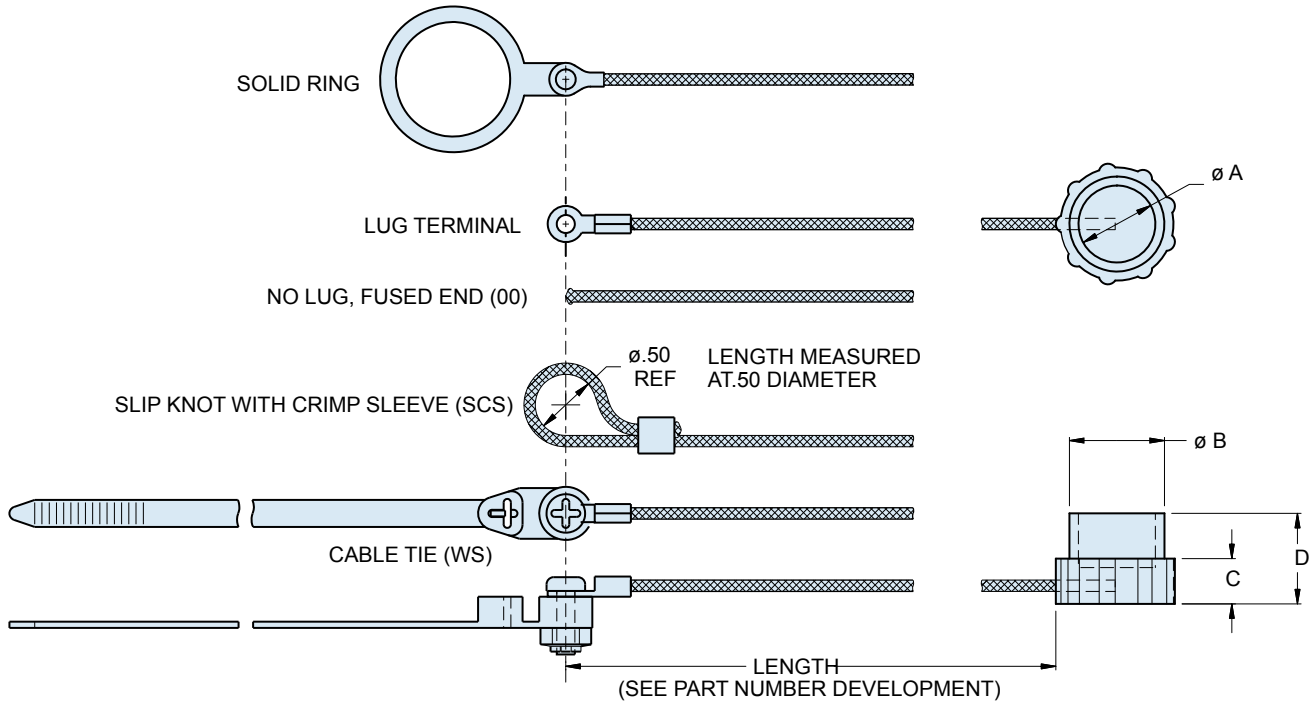


Dimensions in inches (millimeters) and are subject to change without notice.



**Series 801 Mighty Mouse Double-Start ACME Threads
Rubber Protective Cover Ordering Information**
809-190 and 809-191

D



809-190 RECEPTACLE COVER								
Shell Size	Ø A		Ø B		C		D	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.
05	.28	7.1	.41	10.4	.31	7.9	.62	15.7
06	.35	8.9	.47	11.9	.31	7.9	.62	15.7
07	.41	10.4	.53	13.5	.31	7.9	.62	15.7
08	.47	11.9	.60	15.2	.31	7.9	.62	15.7
09	.53	13.5	.66	16.8	.31	7.9	.62	15.7
10	.60	15.2	.72	18.3	.31	7.9	.62	15.7
13	.78	19.8	.91	23.1	.31	7.9	.62	15.7
16	.97	24.6	1.10	27.9	.31	7.9	.62	15.7
17	1.03	26.2	1.16	29.5	.31	7.9	.62	15.7

809-191 PLUG COVER								
Shell Size	Ø A		Ø B		C		D	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.
05	.51	13.0	.70	17.8	.375	9.5	.875	22.2
06	.57	14.5	.76	19.3	.375	9.5	.875	22.2
07	.66	16.8	.85	21.6	.375	9.5	.875	22.2
08	.72	18.3	.91	23.1	.375	9.5	.875	22.2
09	.78	19.8	.97	24.6	.375	9.5	.875	22.2
10	.85	21.6	1.03	26.2	.375	9.5	.875	22.2
13	1.00	25.4	1.21	30.7	.375	9.5	.875	22.2
16	1.21	30.7	1.40	35.6	.375	9.5	.875	22.2
17	1.27	32.3	1.46	37.1	.375	9.5	.875	22.2

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

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01-JANUARY-2010

SERIES 802 AQUAMOUSE PRODUCT SELECTION GUIDE

Plugs

Page E-4

802-008, 802-009



Series 802 Plugs

"Aqua Mouse" plugs are available in two versions. Select integral molding/banding platform for direct attachment of cable shield and overmolds without the need for an adapter. Or choose plugs with rear accessory thread for attachment of cable sealing backshells. Crimp contacts are packaged with connectors.

Crimp Receptacles

Page E-6

802-010, 802-011



Series 802 Receptacles for Insulated Wire

Jam nut for rear panel mounting, square flange and in-line versions make it easy to find a style for every application. The integral shield termination platform can be used for overmolding, or select accessory threads for use with a variety of strain relief options. Contacts are crimp-type and are packaged with the connector.

Solder Cup/PCB Receptacles

Page E-10

802-012, 802-030



Series 802 Receptacles for PCB or Solder Cup Termination

These panel mount connectors feature gold plated, factory-installed PC tail contacts or solder cup contacts. Contacts are non-removable. Connectors are backfilled with epoxy potting compound.

Hermetic Receptacles

Page E-14

802-013



Series 802 Hermetic Receptacles

Need a miniaturized hermetic for a sealed box or instrument? These stainless steel, glass-sealed connectors are available with solder cup or PC tail contacts. Choose jam nut, square flange or weld mount versions. Contacts are gold plated iron alloy. 100% tested to meet 1×10^{-6} cc/sec helium leakage. Open face pressure rating 1000 PSI.

Cordsets

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802-019, 802-022,
802-026, 802-027,
802-028, 802-029,
802-032, 802-033



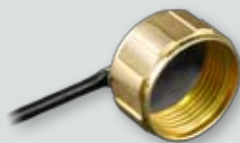
Series 802 Cordsets

Specify overmolded cordsets for optimum convenience and performance. Low smoke zero-halogen polyurethane offers excellent abrasion and chemical resistance. Choose polyamide overmold for medium duty low pressure applications, or select thermoset polyurethane overmold for maximum performance and 2500 PSI rating.

Protective Covers

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800-034, 800-041,
800-038, 800-039



Series 802 Protective Covers

Thread-on metal covers provide a watertight seal and prevent damage. Plug covers are 316 stainless steel, and receptacle covers are marine bronze.

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