

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**



*Glennair*<sup>®</sup>

1211 Air Way • Glendale, CA 91201-2497 • Tel: 818-247-6000 • Fax: 818-500-9912 • E-Mail: [sales@glenair.com](mailto:sales@glenair.com)

**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-removeable 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  $1 \times 10^{-6}$  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.

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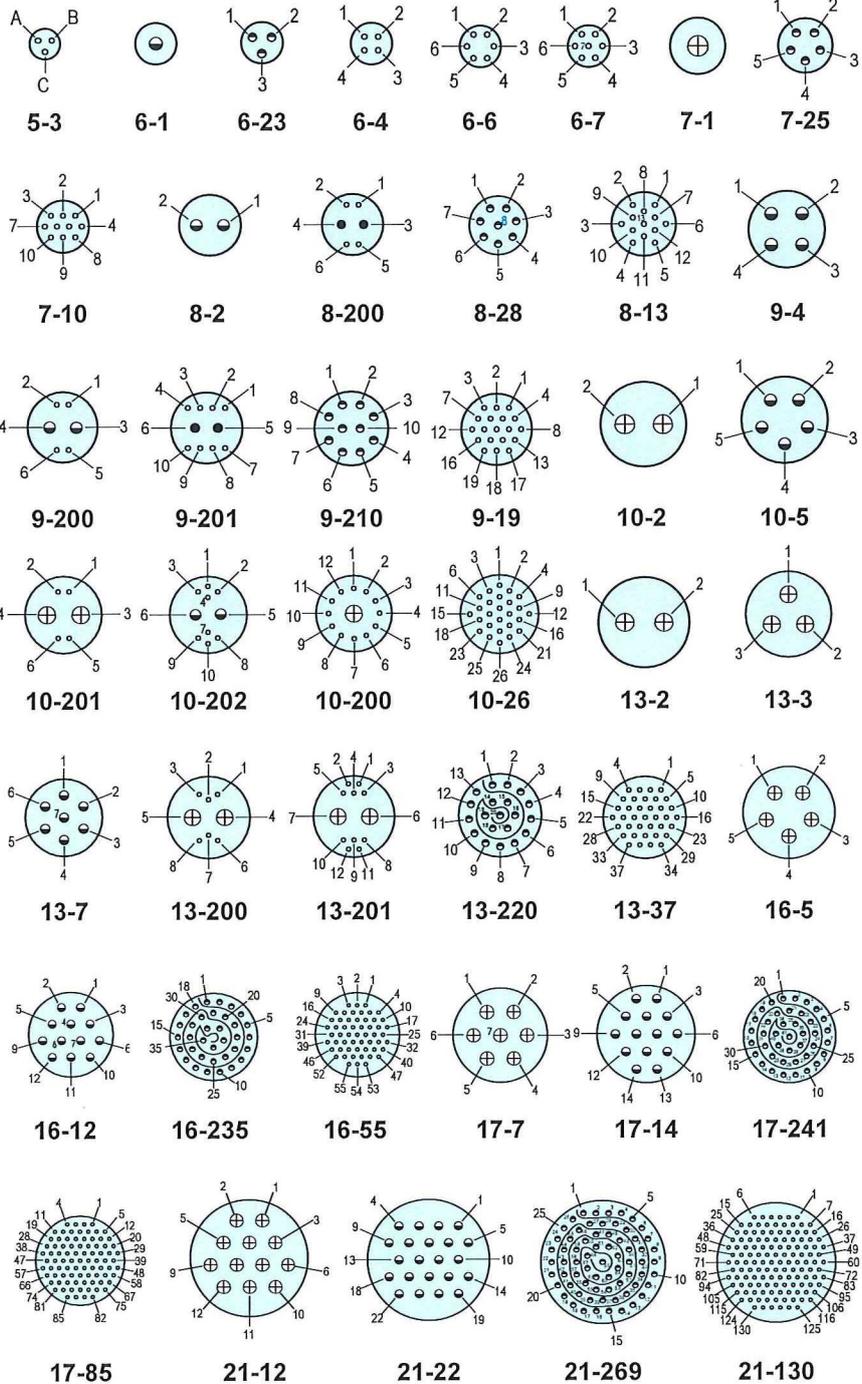
# Series 801 Mighty Mouse Double-Start ACME Threads Contact Arrangements

## 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	
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 ⊕



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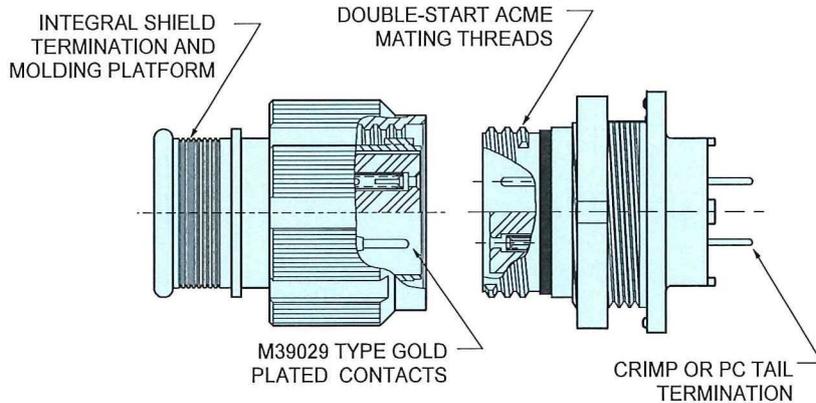
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**Series 801 Mighty Mouse  
Double-Start ACME Threads**  
General information



Series 801



- 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

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## 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.	

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

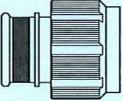
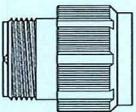
801-007 and 801-008



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
 <b>801-007</b> Banding Platform	<b>-16</b> Plug with Anti-Decoupling Spring  <b>-26</b> Self-Locking Plug with Ratchet Mechanism (the "Clicker")	<b>C</b> Aluminum / Black Anodize (Non-Conductive) RoHS Compliant  <b>M</b> Aluminum / Electroless Nickel RoHS Compliant  <b>NF</b> Aluminum / Cadmium with Olive Drab Chromate  <b>ZN</b> Aluminum / Zinc-Nickel with Olive Drab Chromate  <b>ZNU</b> Aluminum / Zinc-Nickel with Black Chromate  <b>MT</b> Aluminum / Nickel-PTFE RoHS Compliant  <b>Z1</b> Stainless Steel / Passivated RoHS Compliant	SEE <b>CONTACT ARRANGEMENTS</b> PAGE D-2	<b>Connector supplied with contacts</b> <b>P</b> Pin  <b>S</b> Socket  <b>Connector supplied without contacts</b> <b>A</b> Pin  <b>B</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.	<b>A</b> Normal  Alternate Key Positions: <b>B</b> <b>C</b> <b>D</b> <b>E</b> <b>F</b>
 <b>801-008</b> Rear Accessory Thread					

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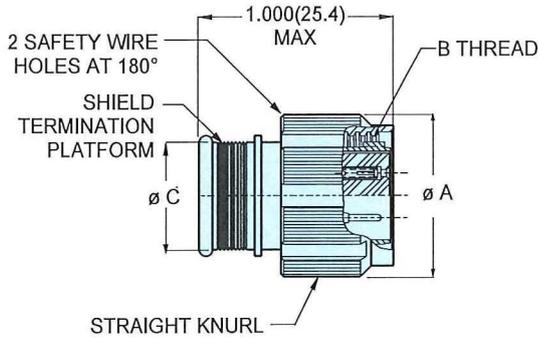
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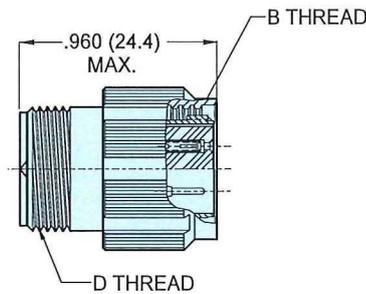
**Series 801 Mighty Mouse Double-Start ACME Threads  
Plug Connector Dimensions  
801-007 and 801-008**



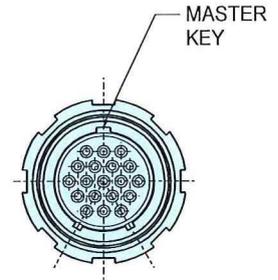
Series 801



**Integral Band Platform**  
801-007



**Accessory Thread**  
801-008



D

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°

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## Series 801 Mighty Mouse Double-Start ACME Threads Crimp Receptacle Connector Ordering Information

801-009 and 801-010



**In-Line**  
Shell Style 01



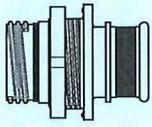
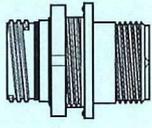
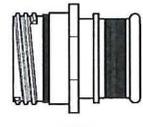
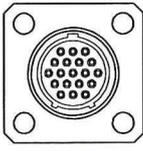
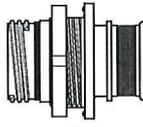
**Rear Panel Jam Nut Mount**  
Shell Style 07



**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
 <p><b>801-009</b> Receptacle with Banding Platform</p>  <p><b>801-010</b> Receptacle with Accessory Thread</p>	 <p><b>-01</b> <b>In-Line</b> For Free-Hanging Cables</p>  <p><b>-02</b> <b>Square Flange</b> For Front or Rear Mounting</p>  <p><b>-07</b> <b>Jam Nut</b> For Rear Panel Mounting</p>	<p><b>C</b> Aluminum / Black Anodize (Non-Conductive) RoHS Compliant</p> <p><b>M</b> Aluminum / Electroless Nickel RoHS Compliant</p> <p><b>NF</b> Aluminum / Cadmium with Olive Drab Chromate</p> <p><b>ZN</b> Aluminum / Zinc-Nickel with Olive Drab Chromate</p> <p><b>ZNU</b> Aluminum / Zinc-Nickel with Black Chromate</p> <p><b>MT</b> Aluminum / Nickel-PTFE RoHS Compliant</p> <p><b>Z1</b> Stainless Steel / Passivated RoHS Compliant</p>	<p>SEE <b>CONTACT ARRANGEMENTS</b> PAGE D-2</p>	<p><b>Connector supplied with contacts</b></p> <p><b>P</b> Pin</p> <p><b>S</b> Socket</p> <p><b>Connector supplied without contacts</b></p> <p><b>A</b> Pin</p> <p><b>B</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><b>A</b> Normal</p> <p>Alternate Key Positions:</p> <p><b>B</b> <b>C</b> <b>D</b> <b>E</b> <b>F</b></p>

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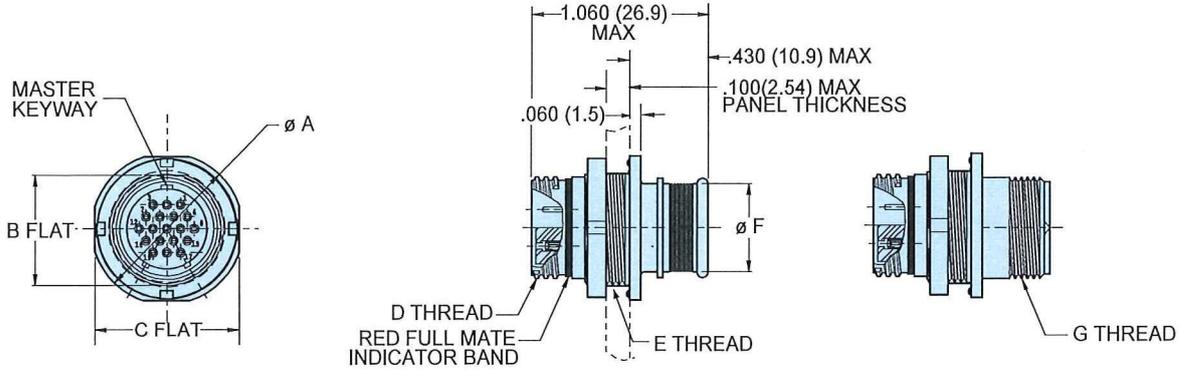
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**Series 801 Mighty Mouse Double-Start ACME Threads  
Jam Nut Receptacle Connector Dimensions**  
801-009-07 and 801-010-07



Series 801



**Integral Band Platform**  
801-009-07

**Accessory Thread**  
801-010-07

D

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-.1L2A	.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		
	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

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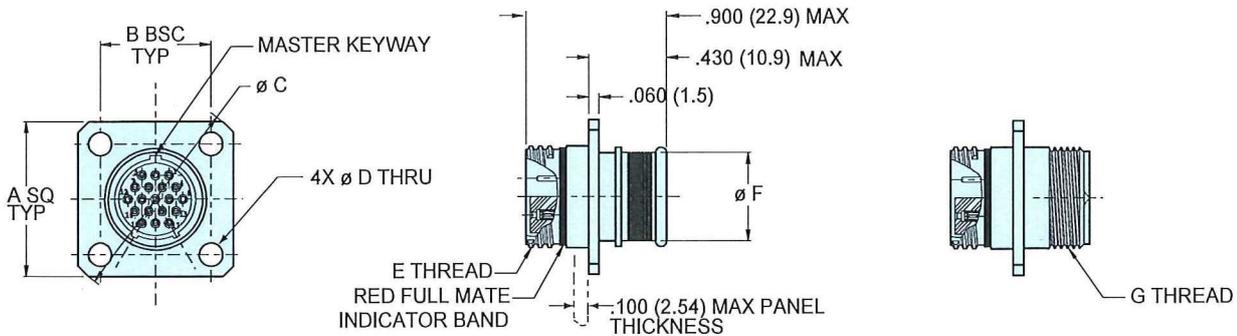
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## Series 801 Mighty Mouse Double-Start ACME Threads Square Flange Receptacle Connector Dimensions

801-009-02 and 801-010-02



**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.		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	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°

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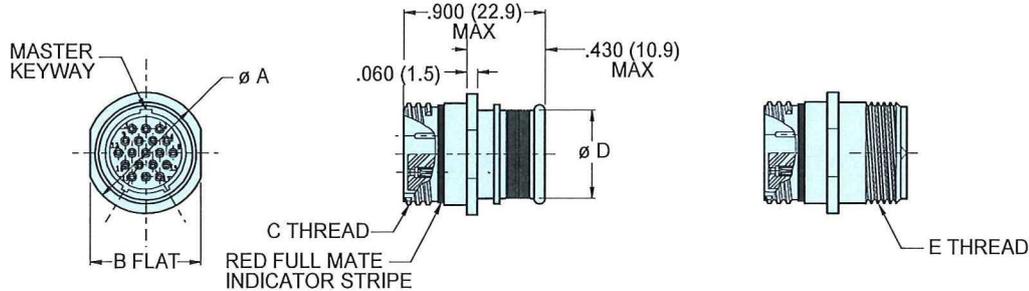
E-Mail: sales@glenair.com

01-JANUARY-2010

**Series 801 Mighty Mouse Double-Start ACME Threads  
In-Line Receptacle Connector Dimensions**  
801-009-01 and 801-010-01



Series 801



**Integral Band Platform**  
801-009-01

**Accessory Thread**  
801-010-01

D

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.  
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# Glenair Material and Finish Options

This chart presents a selection of the broad range of base materials and plating options available from Glenair. Innovation and qualification of material and finish types is a major Glenair strength.

Code	Material	Finish	Finish Specification	Hrs. Salt Spray	Electrical Conductivity	Operating Temp. Range	RoHS	Notes
A	Aluminum	Cadmium, No Chromate	SAE-AMS-QQ-P-416 Type I Class 3	48	Conductive	-65 to +175°C		Not recommended for new projects. LF is preferred.
AB	Marine Bronze	Unplated		1000	Conductive	-65 to +200°C	✓	Marine and geophysical applications.
AL	Aluminum	AlumiPlate, Clear Chromate	MIL-DTL-83488, Class 2, Type II over electroless nickel	1000	Conductive	-65 to +175°C	✓	Approved for MIL-DTL-38999L and MIL-DTL-83513G.
B	Aluminum	Cadmium, Olive Drab	SAE-AMS-QQ-P-416 Type II Class 3	96	Conductive	-65 to +175°C		Not recommended for new projects. NF is preferred.
C	Aluminum	Anodize, Black	AMS-A-8625 Type II Class 2	336	Non-Conductive	-65 to +175°C	✓	Glenair's standard black anodize finish.
E	Aluminum	Chem Film	MIL-DTL-5541 Type 1 Class 3	168	Conductive	-65 to +175°C		Glenair's standard chem film finish.
G	Aluminum	Anodize, Hardcoat	AMS-A-8625 Type III, Class 1, .001" thick	336	Non-Conductive	-65 to +200°C	✓	Glenair's preferred hardcoat finish.
J	Aluminum	Cadmium, Gold	SAE-AMS-QQ-P-416 Type II, Class 2 over electroless nickel	500	Conductive	-65 to +175°C		Not recommended for new projects. JF is preferred.
JF	Aluminum	Cadmium, Gold	SAE-AMS-QQ-P-416 Type II, Class 2 over electroless nickel	1000	Conductive	-65 to +175°C		Glenair's preferred gold cadmium finish.
LF	Aluminum	Cadmium, Clear	SAE-AMS-QQ-P-416 Type II Class 2 over electroless nickel	1000	Conductive	-65 to +175°C		Glenair's preferred clear cadmium finish.
M	Aluminum	Electroless Nickel	AMS-C-26074 Class 4 Grade B; ASTM-B-733, SC 2, Type IV	48	Conductive	-65 to +200°C	✓	Glenair's standard electroless nickel finish.
MT	Aluminum	Nickel-PTFE	GMF-002 Type II Class 1	1000	Conductive	-65 to +175°C	✓	Approved for MIL-DTL-38999L and MIL-DTL-83513G.
N	Aluminum	Cadmium, Olive Drab	SAE-AMS-QQ-P-416 Type II Class 3 over electroless nickel	500	Conductive	-65 to +175°C		Not recommended for new projects. NF is preferred.
NC	Aluminum	Zinc-Cobalt, Olive Drab	ASTM B 840 Grade 6 Type D over electroless nickel	350	Conductive	-65 to +175°C		Glenair's standard olive drab zinc-cobalt finish.
NF	Aluminum	Cadmium, Olive Drab	SAE-AMS-QQ-P-416 Type II Class 2 over electroless nickel	1000	Conductive	-65 to +175°C		Glenair's standard olive drab cadmium finish.
P	Stainless Steel	Electrodeposited Nickel	SAE-AMS-QQ-N-290 Class 1 Grade F	500	Conductive	-65 to +200°C	✓	Use ZM for electroless nickel alternative.
T	Aluminum	Cadmium, No Chromate	SAE-AMS-QQ-P-416 Type I Class 3	48	Conductive	-65 to +175°C		Not recommended for new projects. LF is preferred.
TP2	Titanium	Electrodeposited Nickel	SAE-AMS-QQ-N-290 Class 1 Grade F	96	Conductive	-65 to +200°C	✓	Glenair's preferred finish for titanium connectors.
U	Aluminum	Cadmium, Black	SAE-AMS-QQ-P-416 Type I Class 3	48	Conductive	-65 to +175°C		Not recommended for new projects. UF is preferred.
UC	Aluminum	Zinc-Cobalt, Black	ASTM B 840 Grade 6 Type D over electroless nickel	350	Conductive	-65 to +175°C		Glenair's standard black zinc-cobalt finish.
UCR	Aluminum	Zinc-Cobalt, Black	ASTM B 840 Grade 6 Type D over electroless nickel	350	Conductive	-65 to +175°C	✓	RoHS version of UC.
UF	Aluminum	Cadmium, Black	SAE-AMS-QQ-P-416 Type II Class 2 over electroless nickel	1000	Conductive	-65 to +175°C		Glenair's preferred black cadmium finish.
XAL	Composite	AlumiPlate	MIL-DTL-86448, Class 2, Type II over electroless nickel	2000	Conductive	-65 to +175°C	✓	Approved for MIL-DTL-38999L.
XB	Composite	Unplated Black		2000	Non-Conductive	-65 to +175°C	✓	Glenair's standard unplated composite.
XM	Composite	Electroless Nickel	AMS-C-26074	2000	Conductive	-65 to +175°C	✓	Glenair's standard electroless nickel finish over composite.
XMT	Composite	Nickel-PTFE	GMS-002 Class 2 Type II	2000	Conductive	-65 to +175°C	✓	Approved for MIL-DTL-38999L.
XO	Composite	Unplated Light Brown		2000	Non-Conductive	-65 to +175°C	✓	Not recommended for new projects. Use XB.
XW	Composite	Cadmium, Olive Drab	SAE-AMS-QQ-P-416 Type II Class 3 over electroless nickel	2000	Conductive	-65 to +175°C		Glenair's standard olive drab cadmium finish over composite.
XZN	Composite	Zinc-Nickel, Black	ASTM B841 Grade 5 over electroless nickel	2000	Conductive	-65 to +175°C		Glenair's standard black zinc-nickel finish over composite.
Z1	Stainless Steel	Passivate	SAE-AMS-SAE-AMS-QQ-P-35 Type VI	1000	Conductive	-65 to +200°C	✓	Glenair's standard passivated stainless steel.
Z2	Aluminum	Gold	MIL-DTL-45204 Class 1 over electroless nickel	48	Conductive	-65 to +200°C	✓	Glenair's standard gold plating for space programs.
ZC	Stainless Steel	Zinc-Cobalt, Black	ASTM-B840, Grade 6		Conductive	-65 to +175°C		Glenair's standard zinc-cobalt over stainless steel.
ZCR	Stainless Steel	Zinc-Cobalt, Black	ASTM-B840, Grade 6		Conductive	-65 to +175°C	✓	RoHS version of ZC.
ZL	Stainless Steel	Electrodeposited Nickel	SAE-AMS-QQ-N-290 Class 1 Grade F	1000	Conductive	-65 to +200°C	✓	Used on hermetic connectors. Use ZM for other applications.
ZM	Stainless Steel	Electroless Nickel	AMS-C-26074 Class 1 Grade A		Conductive	-65 to +200°C	✓	Glenair's preferred nickel-plated stainless steel.
ZMT	Stainless Steel	Nickel-PTFE	GMF-002 Type II Class 3	1000	Conductive	-65 to +175°C	✓	Glenair's new 1000 Hour Grey over stainless steel.
ZN	Aluminum	Zinc-Nickel, Olive Drab	ASTM B841 Grade 5 over electroless nickel	1000	Conductive	-65 to +175°C		Glenair's standard olive drab zinc-nickel finish.
ZNU	Aluminum	Zinc-Nickel, Black	ASTM B841 Grade 5 over electroless nickel	1000	Conductive	-65 to +175°C		Glenair's standard black zinc-nickel finish.
ZR	Aluminum	Zinc-Nickel, Black	ASTM B841 Grade 5 over electroless nickel	500	Conductive	-65 to +175°C	✓	Glenair's RoHS compliant black zinc-nickel.
ZU	Stainless Steel	Cadmium, Black	SAE-AMS-QQ-P-416 Type II Class 3	1000	Conductive	-65 to +175°C		Glenair's standard black cadmium over stainless steel.
ZW	Stainless Steel	Cadmium, Olive Drab	SAE-AMS-QQ-P-416 Type II Class 2 over electroless nickel	2000	Conductive	-65 to +175°C		Glenair's standard olive drab cadmium over stainless steel.