



Series 801 Mighty Mouse Double-Start ACME Thread Square Flange Jam Nut PCB Receptacle

801-075 Ordering Information



Rear Panel mount jam nut receptacle features square flange for secure attachment of rigid boards or flex circuits. Flange has #2-56 stainless steel helicoils and integral standoffs. PC tail contacts are factory installed, potted with epoxy and are non-removable. Gold-plated copper alloy contacts, aluminum or stainless steel shell, fluorosilicone seals and LCP insulators

How To Order

Sample Part Number

801-075

-07

M

6-7

P

A

Series

801-075 = Receptacle with Printed Circuit Board Contacts or Solder Cup Contacts

Shell Style

-07 = Jam Nut

Material and Finish

M = Aluminum / Electroless Nickel RoHS Compliant

MT = Aluminum / Nickel-PTFE RoHS Compliant

NF = Aluminum / Cadmium with Olive Drab Chromate

ZNU = Aluminum / Zinc-Nickel with Black Chromate

Z1 = Stainless Steel / Passivated RoHS Compliant

Shell Size - Insert Arrangement

See Contact Arrangements page D-2

Contact Type

P = Pin, PC Tail

S = Socket, PC Tail

Shell Key Positions (See Table I)

A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. F F = Pos. F

Table I: Key Positions

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

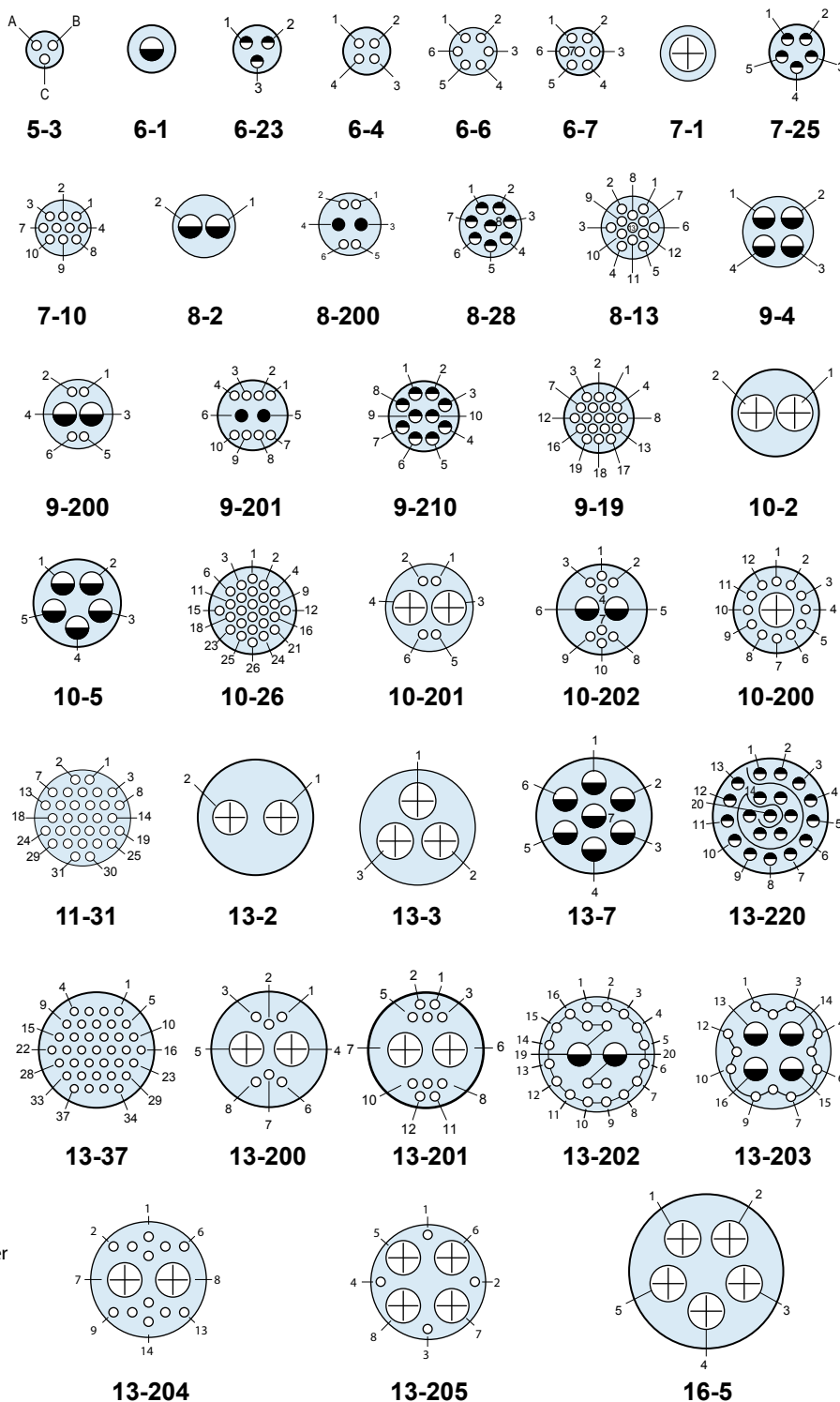
Dimensions in Inches (millimeters) are subject to change without notice.

Series 801 Mighty Mouse Double-Start ACME Thread Contact Arrangements

Contact Arrangements

Contact Arr.	No. of Contacts					
	#23	#20	#20HD	#16	#12*	#8**
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		
8-200	4	2				
8-28			8			
8-13	13					
9-4				4		
9-200	4			2		
9-201	8	2				
9-210			10			
9-19	19					
10-2					2	
10-5				5		
10-26	26					
10-200	12				1	
10-201	4				2	
10-202	8			2		
11-31	31					
13-2					2	
13-3					3	
13-7				7		
13-220			20			
13-37	37					
13-200	6				2	
13-201	10				2	
13-202	20			2		
13-203	12			4		
13-204	12				2	
13-205	4				4	
16-5					5	

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



*All arrangements with #12 contacts and available with keyed Twinax contacts. Use mode code -688

**Combo inserts using size #8 and #23 contacts order size #23, 857-034 socket or 809-335 pin contacts.

Contact Legend

#23◦ #20HD● #20● #16◐ #12⊕

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Series 801 Mighty Mouse Double-Start ACME Thread Contact Arrangements



Series 801

Contact Arrangements						
Contact Arr.	No. of Contacts					
	#23	#20	#20HD	#16	#12*	#8**
16-12				12		
16-235			35			
16-55	55					
16-204	40			2		
16-205	32			4		
16-206	34				2	
16-207	20				4	
16-208	32					1
17-7					7	
17-14				14		
17-241			41			
17-85	85					
17-203	40			4		
17-204	28				4	
17-205	40					1

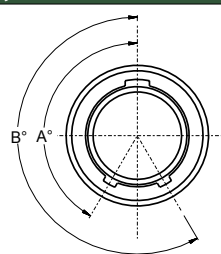
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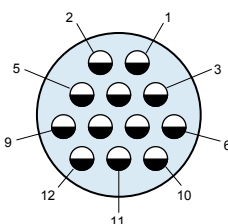
Contact Legend

#23° #20HD● #20● #16● #12⊕

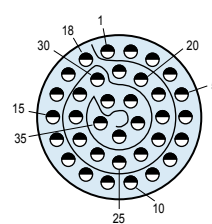
Plug Key Positions		
	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°



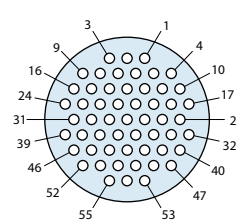
Mating Face View of Pin Connector (socket connector numbers are reversed)



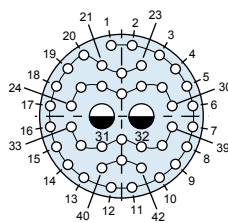
16-12



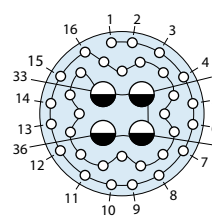
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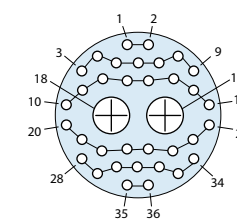
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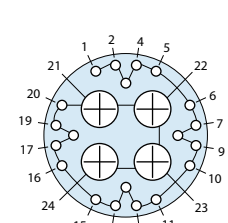
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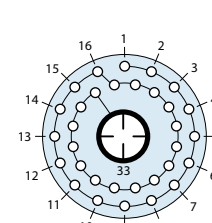
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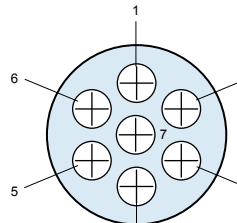
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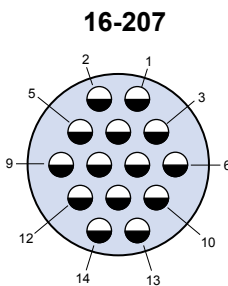
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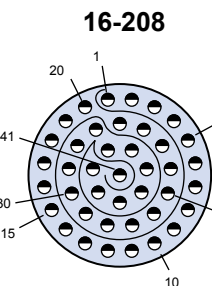
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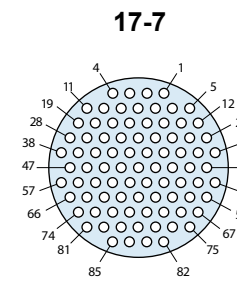
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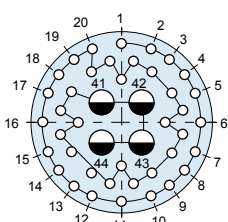
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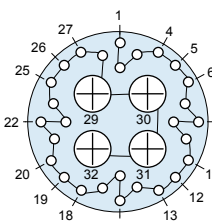
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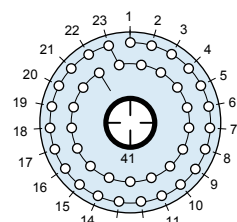
17-85



17-203



17-204



17-205

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Series 801 Mighty Mouse Double-Start ACME Thread General Information

Contact Arrangements

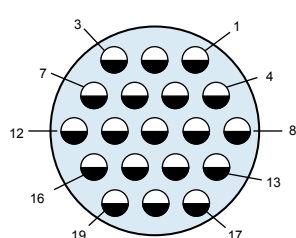
Contact Arr.	No. of Contacts					
	#23	#20	#20HD	#16	#12*	#8**
19-19				19		
19-201	44					2
19-202	12					4
19-255			55			
19-100	100					
21-12					12	
21-200	28					4
21-22				22		
21-269			69			
21-130	130					

*All arrangements with #12 contacts and available with keyed Twinax contacts. Use mode code -688

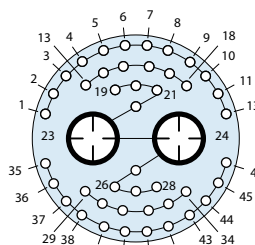
**Combo inserts using size #8 and #23 contacts order size #23, 857-034 socket or 809-335 pin contacts.

Contact Legend

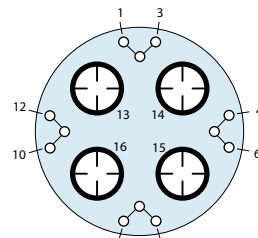
#23◦ #20HD◐ #20● #16◑ #12⊕



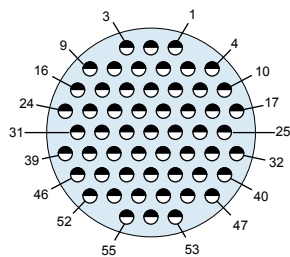
19-19



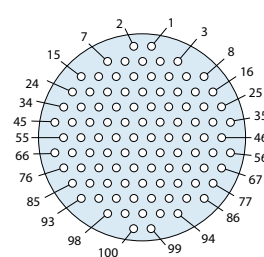
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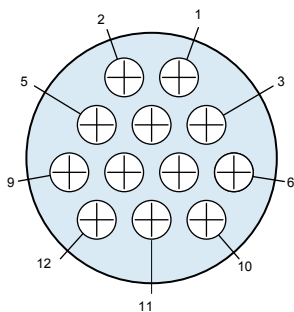
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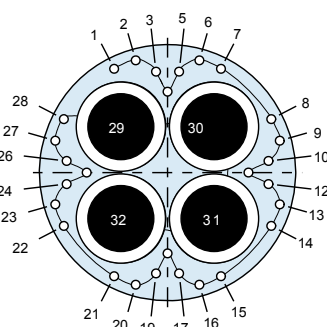
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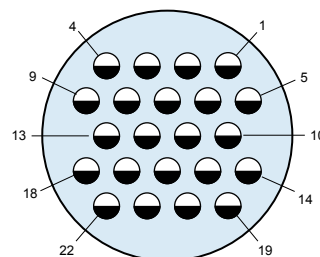
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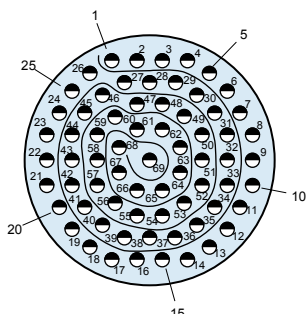
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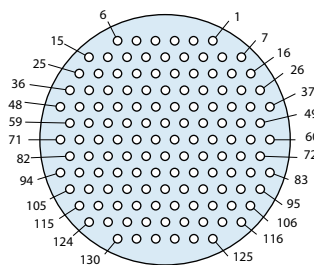
21-200



21-22



21-269



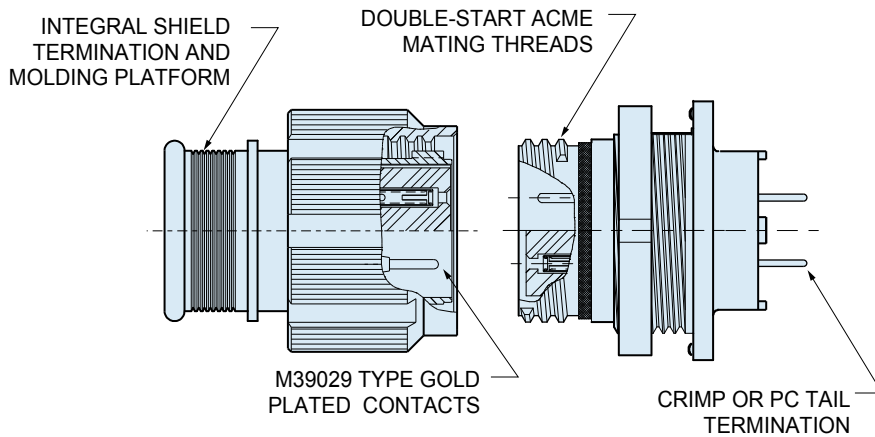
21-130

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Series 801 Mighty Mouse Double-Start ACME Thread 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

Glenair 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 A, #20HD–7.5 A, #16–13 A, #12–23 A
Dielectric Withstanding Voltage	#23–750 VAC, #20HD–1000 VAC, #12 and #16–1800 VAC
Insulation Resistance	5000 megohms minimum
Operating Temperature	–65° C. to +175° 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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