

Series 801 Mighty Mouse Double-Start ACME Thread Sav-Con® Saver 801-017 Ordering Information



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							
Sample Part Number		801-017	M	6-7	P	Α		
Series	801-017 = Series 801 Connector Saver							
	C = Aluminum / Black Anodize (Non-Conductive) RoHS Compliant							
	M = Aluminum / Electroless Nickel RoHS Compliant							
Material and Finish	NF = Aluminum / Cadmium with Olive Drab Chromate							
	ZN = Aluminum / Zinc-Nickel with Olive Drab Chromate							
	Z1 = Stainless Steel / Passivated RoHS Compliant							
Shell Size - Insert Arrangement	See Contact Arrangements nage D-2							
Contact Time	P = Pin Contact on Plug Side, Socket Contact on Receptacle Side	!			-			
S = Socket Contact on Plug Side, Pin Contact on Receptacle Side								
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°	В°							
A	150°	210°							
В	75°	210°							
C	95°	230°	B° A° ((((((((((((((((((((((((((((((((((
D	140°	275°							
E	75°	275°							
F	95°	210°							

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

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Contact Arrangements

	Cont	act A	rranger	nent	S						ew of Pin C		
Contact			No. of Co	ntact	S				(socket c	onnecto	r numbers a	are reverse	d)
Arr.	#23	#20	#20HD	#16	#12*	#8**	A В	_	1 _ 2	1,	2 1, 2	1, 2	1 2
5-3	3						(G)				6-0-3	6-070-3	
6-1				1			9		Ţ	4	3 5	5 >>> 4	5
6-23			3				С		3	•			4
6-4	4						5-3	6-1	6-23	6-4	6-6	6-7	7-1 7-25
6-6	6											. 8	
6-7	7						3 2	2	_1	2 00 1	1 2	9 2010	7 1 2
7-1					1		7 (0000)-4	· (6		4 (• •) 3	7 (200)	-3 3-(000)	6
7-25			5				10 9 8	`		\$ 00 \s	6 5	10 9	12 4
7-10	10											4 11	5
8-2				2			7-10		8-2	8-200	8-28	8-13	3 9-4
8-200	4	2										2	
8-28			8				2	1	4/00001	8.	1 2	7 3 2 4	2
8-13	13						4) 3	6	5 9	10	12-(00000)-	8
9-4				4				<i>/</i>	10 2000/7	7	4	16 2000	
9-200	4			2				0	9 8		6 '5	19 18 17	
9-201	8	2					9-200)	9-201		9-210	9-19	10-2
9-210			10										
9-19	19						1	2	6 $\frac{3}{3}$ $\frac{1}{1}$ $\frac{2}{3}$	4	2 1	3 2 2	12 1 2
10-2					2				11 00000	$\binom{9}{12}$ 4	3		11 6000 3
10-5				5			5	7 3	18	16		6 000	
10-26	26						4		23 25 26 24	1	6 5	, 200	8 7 6
10-200	12				1		10-5		10-26		10-201	10-202	10-200
10-201	4				2		.00		10 20		10 201	10 202	10 200
10-202	8			2			2	1	_		1	1	1 2
11-31	31						13 7000	3,	2	χ^1			2 12 13
13-2					2		18 0000	14	\bigcirc	$\left(\right)$			20 0000
13-3					3		24 0000	19		$\mathcal{I} \setminus \mathcal{E}$	\mathbb{R}^{2}		3 10000
13-7				7			29 31	30		3	2		10 9 7 8
13-220			20				11-3	4	13-2		13-3	13- 7	13-220
13-37	37						11-3	•	13-2		13-3	13-7	13-220
13-200	6				2				2		2 1	_	
13-201	10				2		9, 4	5	3	× ¹ 5	√00×3	16 1 2 3	13 0 14
13-202	20			2			15 000	0 0 \ .10	000		0000	15 /2000	12 0 0 4
13-203	12			4			22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 16) 	±) ±) † ° ;	 } 	\int_{6}^{20}
13-204	12				2		28 000	23	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			12	7 10 6
13-205	4				4		37	34	8 7	6	12 11	11 10 9 8	16 7 13
16-5					5		13-3	37	13-20	0	13-201	13-202	13-203
*All arrange with keyed **Combo ir size #23, 85	Twina nserts 7-034 Co	using socke	ntacts. Us size #8 ar et or 809-: ct Leger	e mod nd #2: 335 pi	de coc 3 cont in con	le -688 acts order tacts.	7		8	4-0	6 0 2 3	5	2 2 3 3
#230	#23° #20HD● #20● #16⊖ #12⊕				13-20	4		13-205		16-5			

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Series 801 Mighty Mouse Double-Start ACME Thread

Contact Arrangements

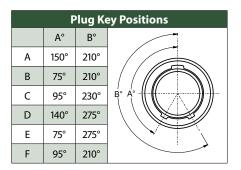


Contact Arrangements						
Contact	No. of Contacts					
Arr.	#23	#20	#20HD	#16	#12*	#8**
16-12				12		
16-235			35			
16-55	55					
16-204	40			2		
16-205	32			4		
16-206	34				2	
16-207	20				4	
16-208	32					1
17-7					7	
17-14				14		
17-241			41			
17-85	85					
17-203	40			4		
17-204	28				4	
17-205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

*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⊕



16-12 16-235 16-55 16-204 16-205 16-206 16-207 16-208 17-7 17-14 17-241 17-85 12

17-204

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

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17-203

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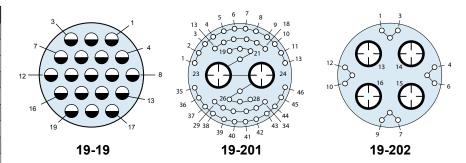
17-205

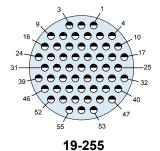
Contact Arrangements									
Contact	No. of Contacts								
Arr.	#23	#20	#20HD	#16	#12*	#8**			
19-19				19					
19-201	44					2			
19-202	12					4			
19-255			55						
19-100	100								
21-12					12				
21-200	28					4			
21-22				22					
21-269			69						
21-130	130								

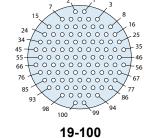
*All arrangements with #12 contacts and available with keyed Twinax contacts. Use mode code -688 **Combo inserts using size #8 and #23 contacts order size #23, 857-034 socket or 809-335 pin contacts.

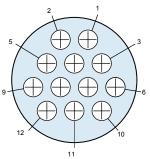
Contact Legend

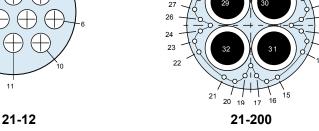
#23° #20HD⊖ #20● #16⊖ #12⊕

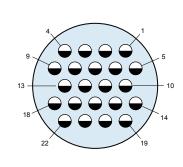




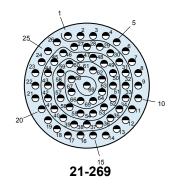


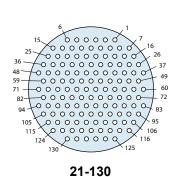






21-22





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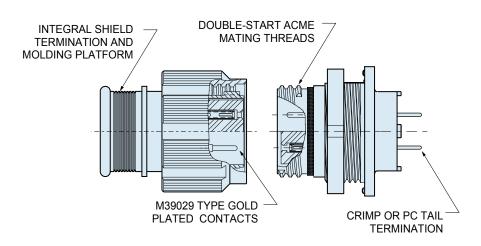
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Series 801 Mighty Mouse Double-Start ACME Thread General Information





- 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 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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