



Series 804 Push-Pull *High-Speed* Mighty Mouse

Rear and Front Mount Jam-Nut PCB or Solder Cup Receptacle

804-030 and 804-031 Ordering Information



Panel Mount Receptacles feature factory-installed non-removable contacts. Choose solder cup or printed circuit board terminals. Front or rear panel mount versions available.

Water Immersion, Unmated Specify 804-030 connectors for applications where open face water immersion is not a requirement. For MIL-STD-810 Method 512G immersion requirements, specify 804-031 watertight connectors. These 804-031 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 -40°C to +70°C.

High-Speed Performance

Impedance	100 $\Omega \pm 20\Omega$ at 200 Picoseconds
Insertion Loss	
500 MHz	.71 dB
1 GHz	1.55 dB
1.5 GHz	2.75 dB
2 GHz	4.00 dB

How To Order

Sample Part Number	804-030	-00	M	6-7	P	A
Series	804-030 = Receptacle for Solder Cup or PCB Termination, With Standard Epoxy Potting 804-031 = Receptacle for Solder Cup or PCB Termination, With Special "MOD-518" Sealing For Open Face (unmated) Water Immersion Requirements. 100% Leak Tested.					
Shell Style (See Table I)	-00 = Jam Nut, Front Panel Mount -07 = Jam Nut, Rear Panel Mounting					
Shell Material and Finish	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 ZB = Stainless Steel / Olive Drab Chromate over Cadmium ZC = Stainless Steel / Zinc Cobalt Alloy / Black Chromate Z1 = Stainless Steel / Passivated RoHS Compliant					
Shell Size - Insert Arrangement (See Table II)	6-4, 6-7, 7-10, 9-19, 10-26					
Contact Type	Connector supplied with contacts P = Pin E = Pin, Solder Cup S = Socket F = Socket, Solder Cup					
Shell Key Positions (See Table III)	Omit for Single Master Key A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. F F = Pos. F					

Table I: Shell Style

-00 Jam Nut, Front Panel Mount	-07 Jam Nut, Rear Panel Mount

Table II: Shell Size - Insert Arrangement

6-4	6-7	7-10	9-19	10-26

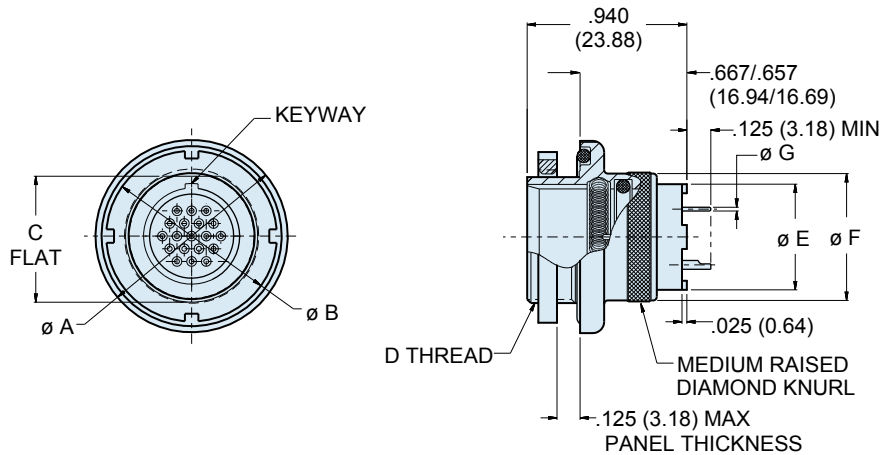
Dimensions in Inches (millimeters) are subject to change without notice.

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Series 804
High-Speed

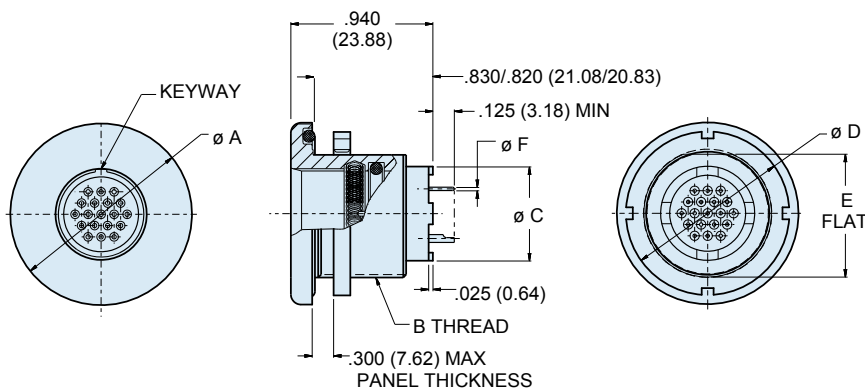
Rear panel jam nut 804-030/031 - shell style 07



Shell Size	M Flat		Ø N	
	In.	mm.	In.	mm.
6	.479 .475	12.17 12.07	.510	12.95
7	.606 .602	15.39 15.29	.635	16.13
9	.667 .663	16.94 16.84	.698	17.73
10	.734 .729	18.64 18.52	.760	19.30

Dimensions												
Shell Size	Ø A		Ø B		C Flat		D Threads	Ø E		Ø F		Ø F Tail Dia.
	In.	mm.	In.	mm.	In.	mm.		In.	mm.	In.	mm.	
6	.730	18.54	.625	15.87	.467	14.40	.5000-32 UN-2A	.330	8.38	.483	12.27	.018/.022 (.46/.56)
7	.910	23.11	.750	19.05	.594	15.09	.6250-28 UN-2A	.432	10.97	.570	14.48	
9	1.000	25.40	.812	20.62	.655	16.64	.6875-28 UN-2A	.551	14.00	.685	17.40	
10	1.085	27.48	.875	22.22	.721	18.31	.7500-28 UN-2A	.620	15.75	.725	18.42	

Front panel jam nut 804-030/031 - shell style 00



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

Dimensions										
Shell Size	Ø A		B Threads	Ø C		Ø D		E Flat		Ø F Tail Dia.
	In.	mm.		In.	mm.	In.	mm.	In.	mm.	
6	.885	22.48	.5625-28 UN-2A	.330	8.38	.688	17.47	.530	13.46	.018/.022 (.46/.56)
7	.995	25.27	.6875-28 UN-2A	.432	10.97	.812	20.62	.663	16.84	
9	1.075	27.31	.7500-28 UN-2A	.551	14.00	.875	22.22	.720	18.29	
10	1.140	28.95	.8125-28 UN-2A	.620	15.75	.938	23.82	.788	20.02	

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