



Series 801 Mighty Mouse *High-Speed* Double-Start ACME Threads 801-038 and -041 PCB Receptacle Ordering Information



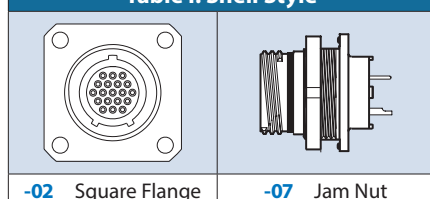
Printed Circuit Board Receptacles feature low profile shells for minimum protrusion inside enclosures and integral standoffs for board washout. The connector is equipped with special PFA (Fluoropolymer) insulators and optimized for use with high-speed differential wire such as our 963-001 series cable. Five insert arrangements available including 4, 7, 10, 19 and 26. PC tail or solder cup terminations. Contacts are non-removable.

Water Immersion, Unmated Specify 801-038 connectors for applications where open face water immersion is not a requirement. For MIL-STD-810 Method 512G immersion requirements, specify 801-041 watertight connectors. 801-041 connectors are identical to 801-038 but come 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.

How To Order

Sample Part Number	801-038	-07	M	7-10	P	A
Series	801-038 = PCB or Solder Cup Terminated Receptacle with Standard Epoxy Potting. 801-041 = PCB or Solder Cup Terminated Receptacle with Special Mod Code 518 Sealing for Open Face (Unmated) Water Immersion Requirements. 100% Leak Tested.					
Shell Style (See Table I)	-02 = Square Flange For Front or Rear Mounting -07 = Jam Nut For Rear Panel Mounting					
Shell Material and Finish	M = Aluminum / Electroless Nickel RoHS Compliant NF = Aluminum / Cadmium with Olive Drab Chromate ZNU = Aluminum / Zinc-Nickel with Black Chromate MT = Aluminum / Nickel-PTFE RoHS Compliant Z1 = Stainless Steel / Passivated RoHS Compliant					
Shell Size - Insert Arrangement	6-4, 6-7, 7-10, 9-19, 10-26 (See page P-3)					
Contact Type	P = Pin, PC Tail E = Pin, Solder Cup S = Socket, PC Tail F = Socket, Solder Cup					
Shell Key Positions	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F (See Page P-3)					

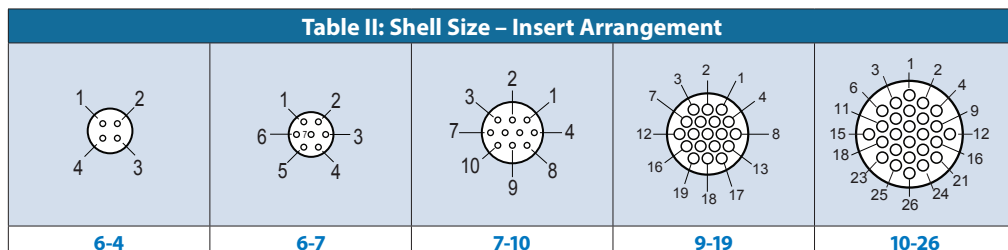
Table I: Shell Style



NOTES

1. Contacts are size 23 and non-removable, connector is back potted
2. For additional insert arrangements consult factory
3. To achieve high-speed performance this connector must be mated to another high-speed mighty mouse connector (801-036 or 801-039).
4. This connector mates with all quick coupling high-density plug connectors with same polarization and opposite contact gender, (801-001, 801-002, 801-007 and 801-008)

Table II: Shell Size – Insert Arrangement



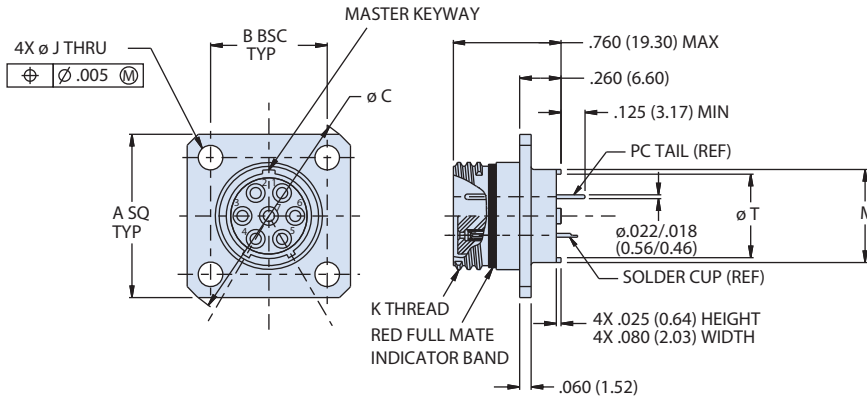
Dimensions in Inches (millimeters) are subject to change without notice.

**Series 801 Mighty Mouse *High-Speed*
Double-Start ACME Threads
-02 Square Flange and -07 Jam Nut Dimensions**



Series 801
High-Speed

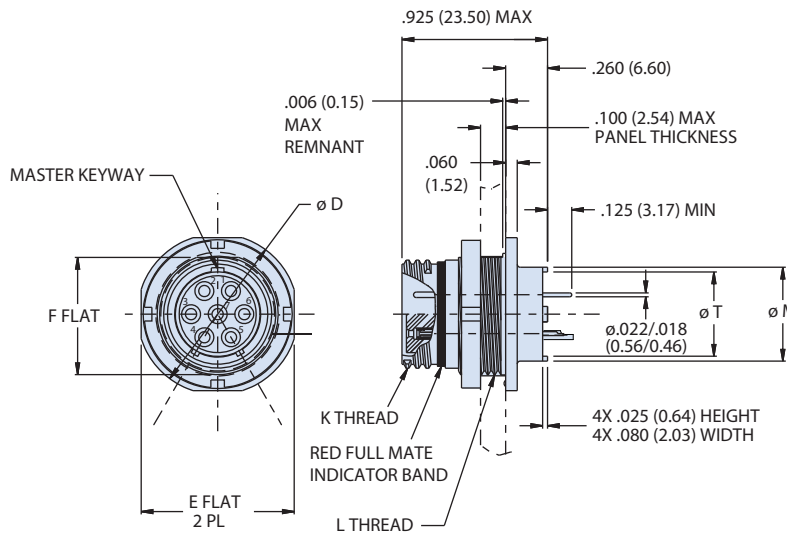
Square flange front or rear panel mount receptacle - shell style 02



801-038-02
Square Flange

Square Flange Panel Cutout			
	Ø R	4X Ø J	Ø B BSC
Shell Size	Ø B BSC	Ø J	Ø R
6	.423 (0.02)	.096 (0.00)	.390 (0.02)
7	.483 (0.02)	.091 (0.00)	.450 (0.02)
9	.607 (0.02)	.130 (0.01)	.575 (0.02)
10	.670 (0.03)	.126 (0.00)	.640 (0.03)

Jam nut rear panel mount receptacle - shell style 07



801-038-07
Jam Nut

Jam Nut Panel Cutout		
	N FLAT	Ø P
Shell Size	N Flat In. ± .002	Ø P
6	.416 (0.02)	.448 (0.02)
7	.542 (0.02)	.573 (0.02)
9	.602 (0.02)	.635 (0.03)
10	.666 (0.03)	.698 (0.03)



Dimensions											
Shell Size	A SQ	B BSC	Ø C	Ø D	E FLAT	F FLAT	J HOLES	K THREAD	L THREAD	Ø M	Ø T
6	.590 (0.02)	.423 (0.02)	.750 (0.03)	.635 (0.03)	.595 (0.02)	.410 (0.02)	.096 (0.00)	.3750-.05P-.1L-2A	.4375-28 UNEF-2A	.330 (0.01)	.238 (0.01)
7	.650 (0.03)	.483 (0.02)	.850 (0.03)	.755 (0.03)	.723 (0.03)	.536 (0.02)	.091 (0.00)	.4375-.05P-.1L-2A	.5625-28 UN-2A	.432 (0.02)	.327 (0.01)
9	.850 (0.03)	.607 (0.02)	1.125 (0.04)	.830 (0.03)	.790 (0.03)	.596 (0.02)	.130 (0.01)	.5625-.05P-.1L-2A	.6250-28 UN-2A	.551 (0.02)	.446 (0.02)
10	.890 (0.04)	.670 (0.03)	1.188 (0.05)	.890 (0.04)	.855 (0.03)	.658 (0.03)	.126 (0.00)	.6250-.05P-.1L-2A	.6875-28 UN-2A	.620 (0.02)	.516 (0.02)

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

Square flange and jam nut PCB footprints

Straight PCB Pin Footprints (socket connector numbers are reversed)			
Pin Connector 6-4	Pin Connector 6-7	Socket Connector 7-10	
Pin Connector 9-19	Pin Connector 10-26		

Material and Finish

- Plug Barrel, Coupling Nut: Aluminum Alloy or Stainless Steel
- Insulator: PFA
Potting Compound: Epoxy
- Interfacial Seal, Grommet Seal: Fluorosilicone
- Contact: Copper Alloy/Gold Plate

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