



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



**Series 801 High Speed
Printed Circuit Board
Receptacle**

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 (Teflon) insulators and is optimized for use with high-speed differential wire such as our 859-041 Series cable. Three insert arrangements are offered with 4, 7 and 10 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. These 801-033 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 -40C to +70C.

HOW TO ORDER					
Sample Part Number					
801-038	-07	M	7-10	P	A
Series	Shell Style	Shell Material / Finish	Shell Size- Insert Arrangement	Contact Type	Key Position
801-038 Receptacle for PCB or Solder Cup Termination, with Standard Epoxy Potting 801-041 Receptacle for Solder Cup or PCB Termination with Special Mod Code 518 Sealing for Open Face (Unmated) Water Immersion Requirements. 100% Leak Tested.	 -02 Square Flange	M Aluminum / Electroless Nickel RoHS Compliant	 6 - 4	P Pin, PC Tail	A Normal Alternate Key Positions: B C D E F
		NF Aluminum / Cadmium with Olive Drab Chromate	 6 - 7	S Socket, PC Tail	
	ZNU Aluminum / Zinc-Nickel with Black Chromate	 7 - 10	E Pin, Solder Cup		
	MT Aluminum / Nickel-PTFE RoHS Compliant Z1 Stainless Steel / Passivated RoHS Compliant	 -07 Jam Nut	F Socket, Solder Cup		

High Speed Performance	
Impedence	100 OHMS \pm 7 OHMS at 100-Picosecond
VSWR	<1.4 up to 4-GHz

In order to achieve high speed performance, this Connector must be mated to another high speed Mighty Mouse Connector.

This Connector mates with all Quick Coupling High Density Plug Connectors with same polarization and opposite contact gender, (801-001, 801-002 and 801-007 and 801-008).

Insertion Loss	
1 GHz	.51 dB
2 GHz	.53 dB
3 GHz	.57 dB
4 GHz	1.2 dB
5 GHz	1.25 dB

Data taken with adjacent pairs and grommet removed.

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

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