



801-036 and 801-039
Series 801 Mighty Mouse High-Speed
Double-Start ACME Threads
Plug Connector Ordering Information



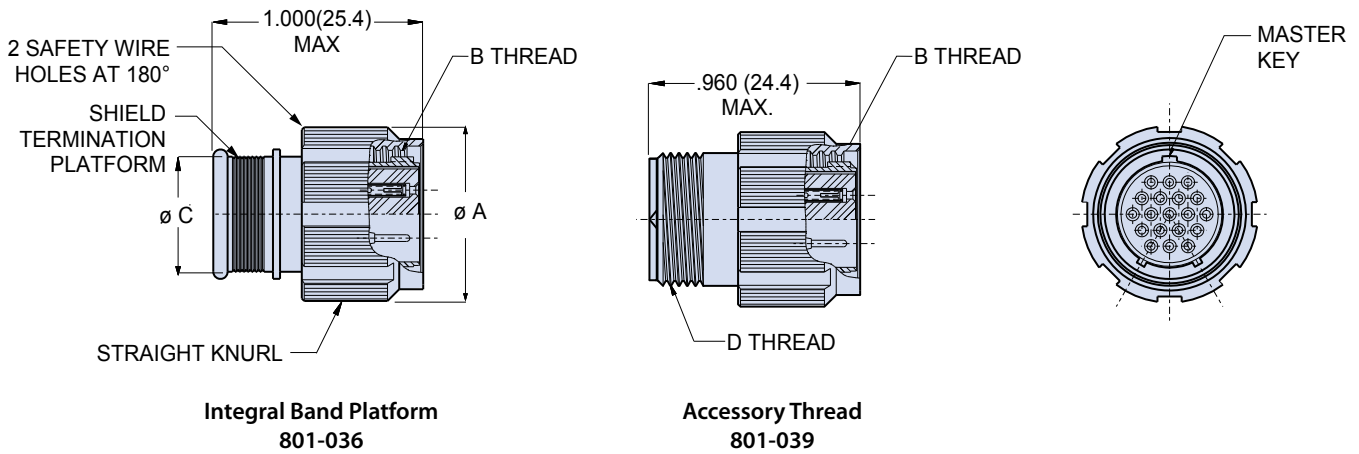
Series 801 High-Speed Plug Connector

Glenair Series 801 Mighty Mouse High-Speed connectors feature double-start modified stub ACME mating threads for improved protection against cross-mating and thread damage. Connector shells are machined aluminum or stainless steel. The connector is equipped with special PFA (Teflon) insulators and is optimized for use with high-speed differential wire such as our 963-001 cable. Five insert arrangements are offered with 4, 7, 10, 19 and 26 #23 AWG contacts, packaged separately. Terminate contacts with standard M22520 tools. Metal clips inside the connector body lock contact into place. Contacts are removable. Fluorosilicone seals and rear grommet protect connector from water ingress. Terminate cable shield directly to connector body with Band-Master™ ATS strap, or choose rear accessory thread to attach optional cable clamp or backshell.

B

How To Order					
Sample Part Number					
801-036	-16	M	7-10	P	A
Series	Shell Style	Shell Material / Finish	Shell Size- Insert Arrangement	Contact Type	Shell Key Position
 801-036 Banding Platform	-16 Plug with Anti-Decoupling Spring	M Aluminum / Electroless Nickel RoHS Compliant	 4 - 4	<i>Connector supplied with contacts</i>	A Normal Alternate Key Positions: B C D E F
	-26 Self-Locking Plug with Ratchet Mechanism (the "Clicker")	NF Aluminum / Cadmium with Olive Drab Chromate ZNU Aluminum / Zinc-Nickel with Black Chromate	6 - 4 6 - 7 7 - 10 9 - 19 10-26 	A Pin Connector, Less Contacts B Socket Connector, Less Contacts P Pin S Socket G Pin with 30 AWG Crimp Barrel H Socket with 30 AWG Crimp Barrel Connectors with contacts are supplied with signal crimp contacts. These contacts are not installed.	
 801-039 Rear Accessory Thread		MT Aluminum / Nickel-PTFE RoHS Compliant Z1 Stainless Steel / Passivated RoHS Compliant			

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

Shell Size	Dimensions							
	Style 16		Style 26		B Thread	Ø C		D Thread UNEF-2A
	Ø A	Ø A	Ø A	Ø A		In.	mm.	
6	.60	15.2	.70	17.8	.3750-.05P-1L-2B	.290	7.4	.3125-32
7	.69	17.5	.79	20.1	.4375-.05P-1L-2B	.390	9.9	.4375-28
9	.81	20.6	.92	23.4	.5625-.05P-1L-2B	.500	12.7	.5625-24
10	.88	22.4	.98	24.9	.6250-.05P-1L-2B	.560	14.2	.6250-24

With Grommet Removed	
High Speed Performance	
Impedance	100 Ω ±7 Ω at 100-Picosecond
VSWR	<1.4 up to 4-GHz
Insertion Loss	
1 GHz	.51 dB
2 GHz	.53 dB
3 GHz	.57 dB
4 GHz	1.2 dB
5 GHz	1.25 dB

With Grommet Intact	
High Speed Performance	
Impedance	100 Ω ±15 Ω at 100-Picosecond
VSWR	<1.5 up to 3-GHz
Insertion Loss	
1 GHz	.73 dB
2 GHz	.76 dB
3 GHz	.85 dB

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

Material and Finish

Plug Barrel, Coupling Nut: Aluminum Alloy or Stainless Steel
 Insulator: PFA
 Interfacial Seal, Grommet Seal: Fluorosilicone
 Contact: Copper Alloy, 50 Microinch Gold Plated per ATSM B 488, Type II, Code C, Class 1.25 (.00005 Min THK), over a suitable underplate.

