



Series 801 Mighty Mouse High-Speed Connectors

Crimp Receptacle Connector with Double-Start ACME Threads

801-037 and 801-040 Ordering Information



In-Line
Shell Style 01



Rear Panel Jam Nut Mount
Shell Style 07



Square Flange Mount
Shell Style 02

How To Order							
Sample Part Number		801-037	-02	Z1	6-4	S	A
Series (See Table I)	801-037 = Plug with Banding Platform 801-040 = Plug with Accessory Thread						
Shell Style (See Table II)	-01 = In-Line For Free-Hanging Cables -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 (See Table III)	6-4, 6-7, 7-10, 9-19, 10-26						
Contact Type	Connector supplied with contacts P = Pin S = Socket	Connector supplied without contacts A = Pin Connector B = Socket Connector					
Shell Key Positions (See Table IV)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F						

Table I: Series

801-037 Receptacle with Banding Platform	801-040 Receptacle with Accessory Thread

Table II: Shell Style

-01 In-Line	-02 Square Flange	-07 Jam Nut for Rear Panel Mounting

Table IV: Shell Key Positions

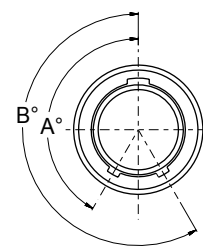


Table III: Shell Size - Insert Arrangement

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

Key Position	Key Rotation	
	A°	B°
Normal (A)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

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

Series 801 Mighty Mouse *High-Speed* Connectors

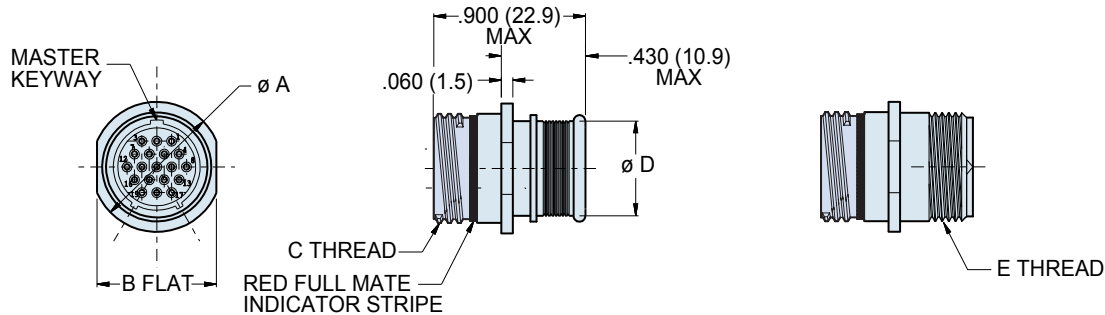
Crimp Receptacle Connector with Double-Start ACME Threads

801-037 and 801-040 Ordering Information



Series 801
High-Speed

In-line receptacle - shell style 01



Integral Band Platform

801-037-01

Accessory Thread

801-040-01

Dimensions								
Shell Size	Ø A		B Flat		C Thread	Ø D		E Thread UNEF-2A
	In.	mm.	In.	mm.		In.	mm.	
6	.415	10.54	.385	9.78	.375-.05P-1L-2A	.290	7.37	.3125-32
7	.480	12.19	.445	11.30	.4375-.05P-1L-2A	.390	9.91	.4375-28
9	.605	15.37	.575	14.61	.5625-.05P-1L-2A	.500	12.70	.5625-24
10	.655	16.64	.635	16.13	.6250-.05P-1L-2A	.560	14.22	.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.

NOTES

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.

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