



MIGHTY MOUSE Cobra

The ultra-low profile EMI/RFI plug and backshell assembly

Innovative shielded low profile right angle connector plug and backshell assemblies reduce clearance requirements without compromising ruggedness or shielding performance. Available in Series 801 double-start, Series 804 QDC push-pull, and Series 805 triple-start, Cobra assemblies provide optimal low-profile cable routing and legendary Mighty Mouse connector performance in a single package. Each Cobra assembly is equipped with a removable rear cover and gasket for easy crimp or solder contact termination of the connector. Integrated low-profile backshell is equipped with an EMI/RFI shield termination platform and a shrink boot lip. The ultra-lightweight assembly may be clocked in eight different angle orientations for additional flexibility in cable routing. Connectors are equipped with polarization keying to prevent mis-mating. Glenair Mighty Mouse Cobra mates with available square flange and jam nut receptacles from each respective connector series. Fourteen contact arrangements are available, all with Size #23 contacts from shell size 5 to shell size 21 with 3-130 contacts respectively. Connector shells are aluminum alloy or stainless steel.

SPECIFICATIONS

- Current Rating: #23 5 Amps
- Test Voltage (DWV) #23: 500 VAC Sea Level
- Insulation Resistance: 5000 megohms minimum
- Contact Resistance: 73 millivolt drop at 5 Amp test current
- Mating Cycles Series 801 and 804: 2000; Series 805: 500
- Operating Temperature: -55° C to +150° C
- Shielding Effectiveness: 50 dB min from 100MHz to 1000MHz.
- Magnetic Permeability: 2.0μ
- Vibration: 37g / Shock: 300g
- Immersion, mated: 1 meter water immersion for 1 hour



- **Space-saving design features one-piece machined and brazed connector shell and right angle backshell for minimum height and optimal EMI performance.**
- **Master key clocking enables easy cable entry/exit routing in eight angles**
- **Removable rear cover and gasket provides easy access to end of connector for crimp or solder contact termination**

MIGHTY MOUSE Low-Profile Plug Connectors



805-061 triple-start with self-locking coupling nut, exploded view

How To Order Mighty Mouse Cobra Plug Connector and Backshell Assemblies							
Sample Part Number	801-069-26	ZNU	8-13	P	A	1	05
Connector Series and Mighty Mouse Cobra Basic Part Number	801-069-26 Double-Start self-locking plug with ratchet mechanism (the clicker) 804-066-06 QDC Push-Pull plug 805-061-16 Triple-Start plug with ratcheting anti-decoupling mechanism						
Material/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 ZI = Stainless Steel / Passivated RoHS Compliant						
Shell Size - Contact Arrangement	See Table V - A: 801-069 B: 804-066 C: 805-061						
Contact Style	A = Pin, Solder B = Socket, Solder P = Pin, Crimp S = Socket, Crimp						
Polarization Key Position	A, B, C, D, E, F - See Table II						
Cable Exit Direction	1, 2, 3, 4, 5, 6, 7, 8 - See Table I						
Cable Entry Size	See Table VI						

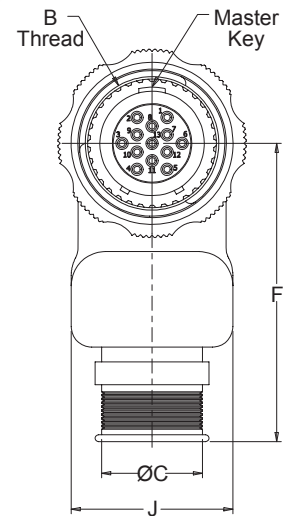


Table I: Cable Exit Direction	
Cable Exit Direction Code	C°
1	0°
2	45°
3	90°
4	135°
5	180°
6	225°
7	270°
8	315°

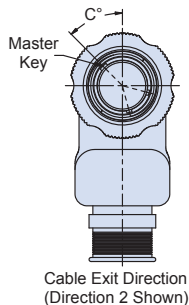


Table II: Key Positions		
	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

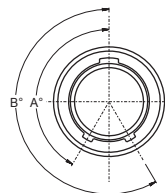


Table VI - Cable Entry			
Code	Entry Size	Code	Entry Size
02	.125	10	.625
03	.188	11	.688
04	.250	12	.750
05	.313	13*	.813
06	.375	14*	.875
07	.438	15*	.938
08	.500	16*	1.000
09	.563	17*	1.063

* Entry codes 13-17 not available for Series 804 Cobra

MATERIALS/FINISH

- Contacts: Copper alloy, gold plated
- Backshell Housing, Connector Shell, Coupling Nut and Lid: Aluminum or Stainless Steel
- Backshell Sealing Gasket and Interfacial Seal: Fluorosilicone
- Screws: 300 Series Stainless Steel
- Insulator: LCP

Table V - Shell Size/Contact Arrangements								
A: 801-069			B: 804-066			C: 805-061		
Shell Size	Contact Arr.	Max Entry	Shell Size	Contact Arr.	Max Entry	Shell Size	Contact Arr.	Max Entry
5	5-3	03	5	5-3	03	8	8-4, 8-6, 8-7	04
6	6-4, 6-6, 6-7	04	6	6-4, 6-6, 6-7	04	9	9-10	05
7	7-10	05	7	7-10	05	10	10-13	06
8	8-13	06	8	8-13	06	11	11-19	07
9	9-19	07	9	9-19	07	12	12-26	08
10	10-26	08	10	10-26	08	13	13-31	09
11	11-31	09	12	12-37	10	15	15-37	10
13	13-37	10	14	14-55	12	18	18-55	12
16	16-55	12				19	19-85	13
17	17-85	13				21	21-100	15
19	19-100	15				23	23-130	17
21	21-130	17						

NOTES

- Rear insulator grommet not supplied.
- Cobra plugs mate with respective series receptacles with same layout, polarization and opposite contact gender.
- Hand crimp tool: P/N 809-015.
Positioner for hand tool: P/N 809-005.
Insertion/extraction tool P/N 809-088.
- Crimp barrel accommodates 22, 24, 26 and 28 gage wire.
- All Cobra plugs equipped with Size #23 contacts.