Series 801 Mighty Mouse Double-Start ACME Thread
Double-Start Thread Cobra™ Plug, Low Profile Right Angle
801-069 Ordering Information

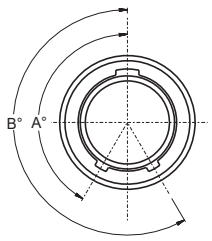
Series 801 Mighty Mouse Cobra Connector assemblies reduce clearance requirements without compromising ruggedness or shielding performance. Features a double-start self–locking plug with ratchet mechanism for improved protection against cross-mating and thread damage. Each Cobra assembly is equipped with a removable rear cover and gasket for easy crimp or solder contact termination of the connector. Both pin and socket versions are available for both crimp and solder terminated versions. 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. Fourteen contact arrangements are available, all with Size #23 contacts from shell size 5 to 21 with 3 to 130 contacts respectively. Connector shells are aluminum alloy or SST

How To Order

Sample Part Number	801-069-26	ZNU	8-13	P	A	1	05

Series	**801-069 -26** = Double-Start Self-Locking Plug with Ratchet Mechanism
Material and Finish	**M** = Aluminum / Electroless Nickel **NF** = Aluminum / Cadmium with Olive Drab Chromate **ZNU** = Aluminum / Zinc-Nickel with Black Chromate **MT** = Aluminum / Nickel-PTFE **Z1** = Stainless Steel / Passivated
Shell Size - Insert Arrangement	**5-3**, **6-4**, **6-6**, **6-7**, **7-10**, **8-13**, **9-19**, **10-26**, **11-31**, **13-37**, **16-55**, **17-85**, **19-100**, **21-130** See Contact Arrangements page D-3
Contact Type	**P** = Pin, Crimp **A** = Pin, Solder **S** = Socket, Crimp **B** = Socket, Solder
Polarization (See Table I)	**A** = Normal **B** = Pos. B **C** = Pos. C **D** = Pos. D **E** = Pos. E **F** = Pos. F **G** = Pos. G **H** = Pos. H **J** = Pos. J
Cable Exit Direction (See Table II)	**1**, **2**, **3**, **4**, **5**, **6**, **7**, **8**
Cable Entry Size (See Table III)	**02**, **03**, **04**, **05**, **06**, **07**, **08**, **09**, **10**, **11**, **12**, **13**, **14**, **15**, **16**, **17**

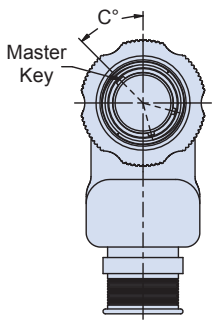
Table I: Keyway Positions



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

Table II: Cable Exit Direction

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



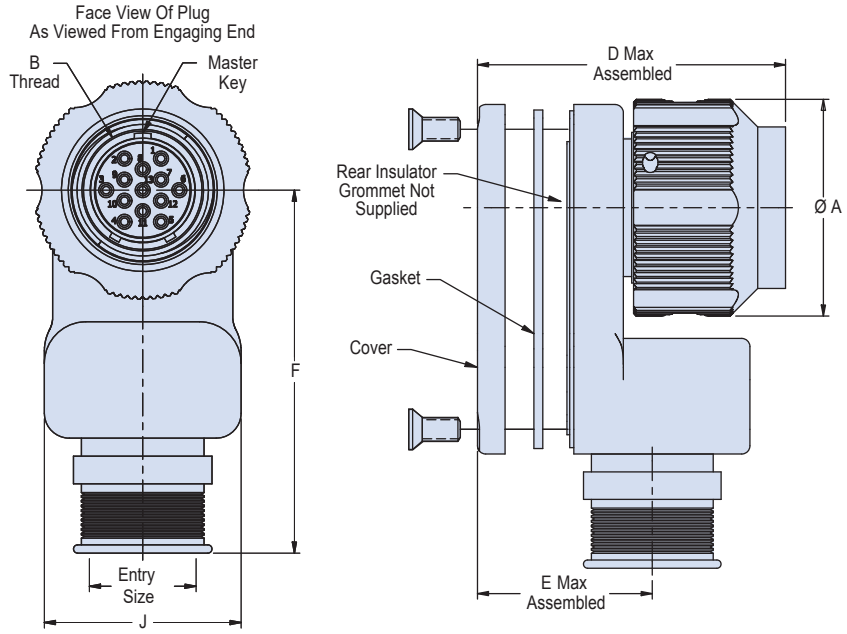
Cable Exit Direction (Direction 2 Shown)

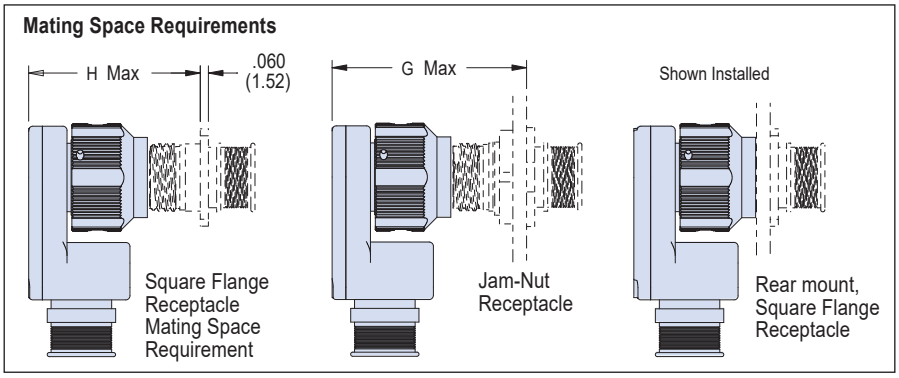
Table III: Cable Entry Size

Code	Entry Size	Code	Entry Size
02	.125 (3.18)	10	.625 (15.88)
03	.188 (4.78)	11	.688 (17.48)
04	.250 (6.35)	12	.750 (19.05)
05	.313 (7.95)	13	.813 (20.65)
06	.375 (9.52)	14	.875 (22.23)
07	.438 (11.13)	15	.938 (23.83)
08	.500 (12.70)	16	1.000 (25.40)
09	.563 (14.30)	17	1.063 (27.00)

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

Right angle Cobra™ plug





NOTES

1. Contacts are size 23 crimp type, and used in a rear release retention system
2. Consult factory for additional contact arrangements or shell orientations
3. Crimp barrel accommodates 22, 23, 26, and 28 gage wire
4. Crimp tool data:
   - Hand crimp tool: Glenair P/N 809-015
   - Positioner for hand tool: Glenair P/N 809-005
   - Insertion / extraction tool: Glenair P/N/ 809-008
5. Plug mates with all quick coupling high density receptacle connectors with same polarization and opposite contact gender

Material / finish:

- Plug barrel, coupling nut, housing, cover: Aluminum Alloy or CRES; see How to Order Table
- Insulator: LCP / N.A.
- Interfacial seal, gasket: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over a suitable underplate
- Contact retention clip: beryllium copper alloy / N.A.
- Hardware: stainless steel / passivate or black oxide
- Retaining wire: Torlon / N.A.
- Detent spring / rivet: stainless steel / passivate

D

Dimensions									
Shell Size	Ø A	B Thread	D Max	E Max	F	G	H	J	Max Entry
5	.65(16.5)	.3125-.05P-.1L-2B	.84 (21.3)	.32 (8.1)	1.21 (30.7)	1.40 (35.6)	1.23 (31.2)	.500 (12.70)	03
6	.65(16.5)	.3750-.05P-.1L-2B	.86 (21.8)	.34 (8.6)	1.24 (31.5)	1.42 (36.1)	1.25 (31.8)	.560 (14.22)	04
7	.69(17.5)	.4375-.05P-.1L-2B	.88 (22.4)	.39 (9.9)	1.28 (32.5)	1.44 (36.6)	1.27 (32.3)	.650 (16.51)	05
8	.79(20.1)	.5000-.05P-.1L-2B	.89 (22.6)	.42 (10.7)	1.31 (33.3)	1.45 (36.8)	1.28 (32.5)	.710 (18.03)	06
9	.83(21.1)	.5625-.05P-.1L-2B	.92 (23.4)	.45 (11.4)	1.34 (34.0)	1.48 (37.6)	1.31 (33.3)	.770 (19.56)	07
10	.92(23.4)	.6250-.05P-.1L-2B	.96 (24.4)	.48 (12.2)	1.37 (34.8)	1.52 (38.6)	1.35 (34.3)	.835 (21.21)	08
11	.98 (24.9)	.6875-.05P-.1L-2B	.99 (25.1)	.50 (12.7)	1.40 (35.6)	1.55(39.4)	1.38 (35.1)	900 (22.86)	09
13	1.10(27.9)	.8125-.1P-.2L-2B	1.13 (28.7)	.52 (13.2)	1.48 (37.6)	1.80 (45.7)	1.63 (41.4)	.950 (24.13)	10
16	1.34(34.0)	1.0000-.1P-.2L-2B	1.21 (30.7)	.58 (14.7)	1.64 (41.7)	1.88 (47.8)	1.71 (43.4)	1.070 (27.18)	12
17	1.45(36.8)	1.0625-.1P-.2L-2B	1.28 (32.5)	.63 (16.0)	1.78 (45.2)	1.92 (48.8)	1.78 (45.2)	1.180 (29.97)	13
19	1.50(38.1)	1.1875-.1P-.2L-2B	1.40 (35.6)	.70 (17.8)	1.89 (48.0)	2.07 (52.6)	1.90 (48.3)	1.300 (33.02)	15
21	1.65(41.9)	1.3125-.1P-.2L-2B	1.51 (38.4)	.76 (19.3)	1.98 (50.3)	2.18 (55.4)	2.01 (51.1)	1.410 (35.81)	17

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