MIGHTY MOUSE

Cobra

- **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**

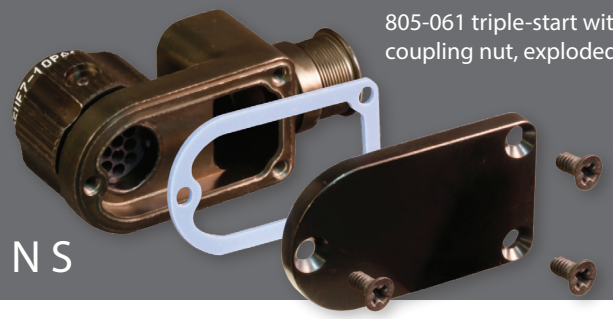
The Ultra-Low Profile EMI/RFI Plug and Backshell Assembly

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. 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. Connectors are equipped with polarization keying to prevent mis-mating. Glenair Mighty Mouse Cobra connector and backshell assemblies mate 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.

Glenair®

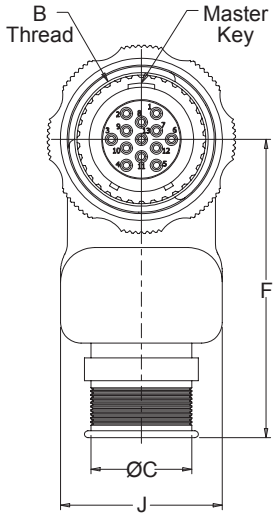
For more information contact Glenair at **818-247-6000** or visit our website at **www.glenair.com**

MIGHTY MOUSE
Cobra
TECHNICAL SPECIFICATIONS



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**, **MT**, **NF**, **ZNU**, **Z1** - See Table I						
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 III						
Cable Exit Direction	**1**, **2**, **3**, **4**, **5**, **6**, **7**, **8** - See Table IV						
Cable Entry Size	See Table VI						



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: 1meter water immersion for 1 hour

Materials/finish

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

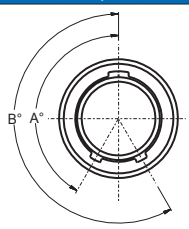
Notes

- Rear insulator grommet not supplied.
- Cobra plug connectors mate with respective series receptacles with same 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.

Table I: Shell Material/Finish

Symbol	Material	Finish
M	Aluminum Alloy	Electroless Nickel (RoHS)
NF		Cad/O.D. over Electroless Nickel
MT		Nickel-PTFE (RoHS)
ZNU		Black Zinc Nickel over Electroless Nickel
Z1	Stainless Steel	Passivate

Table III: Key Positions



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

Table IV: Exit Direction

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

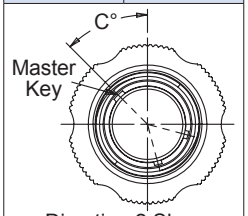


Table VI - Cable Entry

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

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

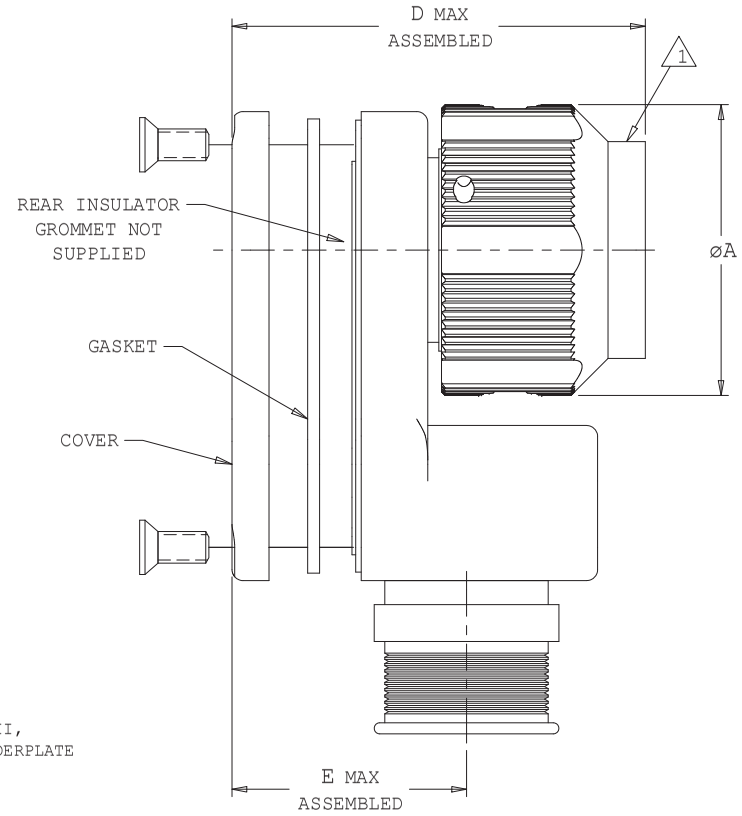
Table V - Shell Size/Contact Arrangements

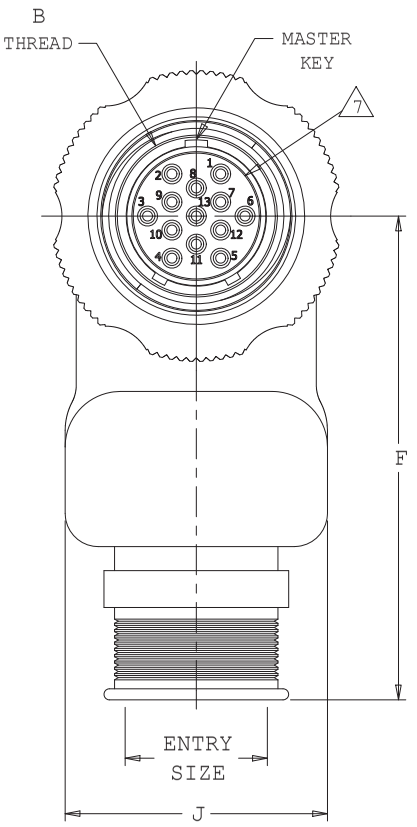
A: 801-069			B: 804-066			C: 805-061		
Shell Size	Contact Arrangement	Max Entry	Shell Size	Contact Arrangement	Max Entry	Shell Size	Contact Arrangement	Max Entry
5	5-3	03	5	5-3	03	8	8-4, 8-6, 8-7	04
6	6-4, 6-6, 6-7	04	6	6-4, 6-6, 6-7	04	9	9-10	05
7	7-10	05	7	7-10	05	10	10-13	06
8	8-13	06	8	8-13	06	11	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						

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	10/09/12	EAG
B	REVISED PER DCN #45302	02/12/13	EAG

TABLE I - MATERIAL / FINISH CLASS		
CLASS	SHELL MATERIAL	FINISH
M	ALUMINUM ALLOY	ELECTROLESS NICKEL (RoHS)
MT	ALUMINUM ALLOY	NICKEL-PTFE (RoHS)
NF	ALUMINUM ALLOY	OLIVE DRAB CADMIUM OVER ELECTROLESS NICKEL
ZNU	ALUMINUM ALLOY	BLACK ZINC-NICKEL OVER ELECTROLESS NICKEL (RoHS)
Z1	STAINLESS STEEL	PASSIVATE (RoHS)

CONTACT GLENAIR FOR ADDITIONAL FINISHES





FACE VIEW OF PLUG
AS VIEWED FROM ENGAGING END
(8-13PA1 SHOWN)

NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLY TO BE IDENTIFIED WITH GLENAIR'S NAME, PART NUMBER, AND DATE CODE, SPACE PERMITTING.

2. MATERIAL / FINISH:
   PLUG BARREL, COUPLING NUT, HOUSING, COVER - ALUMINUM ALLOY OR STAINLESS STEEL / SEE TABLE I
   INSULATOR - LCP / NONE
   INTERFACIAL SEAL, GASKET - FLUOROSILICONE / NONE
   CONTACT - COPPER ALLOY / GOLD PLATE PER ASTM B 488, TYPE II, CODE C, CLASS 1.25 (.00005 MIN THK), OVER A SUITABLE UNDERPLATE
   CONTACT RETENTION CLIP - BERYLLIUM COPPER ALLOY / NONE
   HARDWARE - STAINLESS STEEL / PASSIVATE OR BLACK OXIDE
   RETAINING WIRE - TORLON / NONE
   DETENT SPRING / RIVET - STAINLESS STEEL / PASSIVATE

3. CONTACTS ARE SIZE 23.

4. CONSULT FACTORY FOR ADDITIONAL CONTACT ARRANGEMENTS AND/OR SHELL ORIENTATIONS.

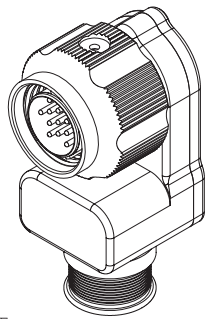
5. CRIMP BARREL ACCOMMODATES 22, 24, 26, AND 28 GAGE WIRE.

6. CRIMP TOOL DATA:
   A. HAND CRIMP TOOL: GLENAIR PART NO. 809-015.
   B. POSITIONER FOR HAND TOOL: GLENAIR PART NO. 809-005.
   C. INSERTION/EXTRACTION TOOL: GLENAIR PART NO. 809-088.

7. CONTACT ARRANGEMENT, CONTACT GENDER, KEY POSITIONS, AND SHELL ORIENTATION SHOWN ARE FOR REFERENCE ONLY.

8. THIS CONNECTOR MATES WITH ALL QUICK COUPLING, HIGH DENSITY RECEPTACLE CONNECTORS WITH SAME POLARIZATION AND OPPOSITE CONTACT GENDER (801-003 THROUGH 801-006 AND 801-009 THROUGH 801-012).

9. REAR INSULATOR GROMMET NOT SUPPLIED.



UNLESS OTHERWISE SPECIFIED	DRAWN	EAG	03/05/12
DIMENSIONS ARE IN INCHES	CHECK	GSB	03/05/12
TOLERANCES	ENGR	EAG	03/05/12
FRACTIONS ± 1/16	D. Brown APPROVED		
DECIMALS .XX ± .03			
.XXX ± .015			
ANGLES ± 2°	APPROVED		
DO NOT SCALE THIS DRAWING	RELEASE DATE	03/05/12	
B/F 10C5078 P/C 80	ORIGINAL RELEASE DATE	03/05/12	

GLENAIR, INC.
1211 AIR WAY - GLENDALE - CALIFORNIA 91201

TITLE: PLUG CONNECTOR, SERIES 801, RATCHETING, COBRA STYLE

CODE IDENT. NO.	SIZE	DRAWING NO.	REV.
06324	A	801-069	B

SCALE N.A. WEIGHT N.A. SHEET 1 OF 2

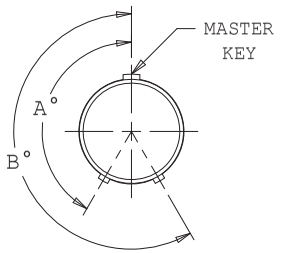
REVISION HISTORY
SEE SHEET 1 OF 2

TABLE II - DIMENSIONAL DATA

SHELL SIZE	øA	B THREAD	D	E	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	T.B.D.	.6875-.05P-.1L-2B	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	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	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	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	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	15
21	1.65 [41.9]	1.3125-.1P-.2L-2B	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	17

TABLE VI-CABLE ENTRY

CODE	ENTRY SIZE
02	.125
03	.188
04	.250
05	.313
06	.375
07	.438
08	.500
09	.563
10	.625
11	.688
12	.750
13	.813
14	.875
15	.938
16	1.000
17	1.063

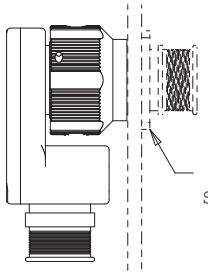


KEY POSITION

(POSITION A SHOWN)

TABLE III - KEY POSITION

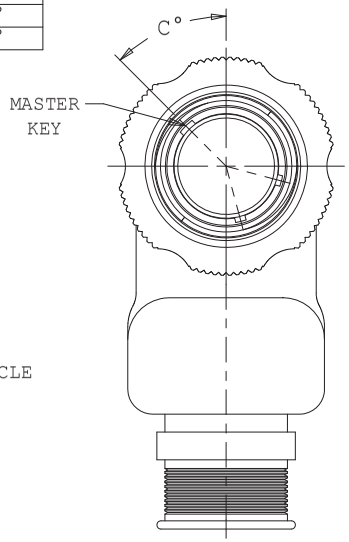
POSITION	A°	B°
A (NORMAL)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°



SHOWN INSTALLED

TABLE IV-EXIT DIRECTION

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



CABLE EXIT DIRECTION

(DIRECTION 2 SHOWN)

PART NUMBER DEVELOPMENT

EXAMPLE: 801-069 -26 ZNU 8-13 P A 1 05

CONNECTOR SERIES

SHELL STYLE
-26 = SELF-LOCKING PLUG WITH RATCHET MECHANISM (THE "CLICKER")

CLASS (SEE TABLE I)

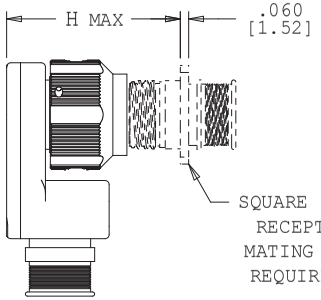
SHELL SIZE - CONTACT ARRANGEMENT
(SEE TABLE V)

CONTACT STYLE
A = PIN, SOLDER
B = SOCKET, SOLDER
P = PIN, CRIMP
S = SOCKET, CRIMP

KEY POSITION
A THROUGH F (SEE TABLE III)

CABLE EXIT DIRECTION
1 THROUGH 8 (SEE TABLE IV)

CABLE ENTRY SIZE (SEE TABLE VI)



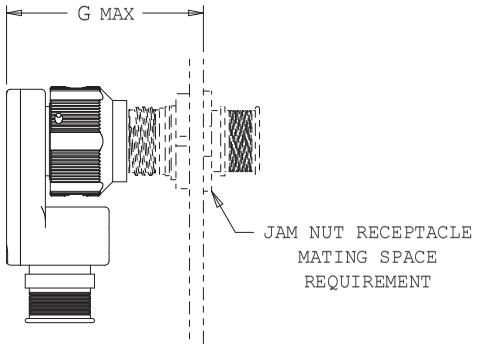


TABLE V - AVAILABLE ARRANGEMENTS

SHELL SIZE	CONTACT ARRANGEMENT*
5	5-3
6	6-4, 6-6, 6-7
7	7-10
8	8-13
9	9-19
10	10-26
11	11-31
13	13-37
16	16-55
17	17-85
19	19-100
21	21-130

*: # FOLLOWING DASH = # OF CONTACTS

UNLESS OTHERWISE SPECIFIED	DRAWN	EAG	03/05/12
DIMENSIONS ARE IN INCHES	CHECK	GSB	03/05/12
TOLERANCES	ENGR	EAG	03/05/12
FRACTIONS ± 1/16	D Brown APPROVED		
DECIMALS .XX ± .03			
.XXX ± .015	APPROVED		
ANGLES ± 2°			
DO NOT SCALE THIS DRAWING	RELEASE DATE	03/05/12	
B/F 10C5078 P/C 80	ORIGINAL RELEASE DATE	03/05/12	

GLENAIR, INC.
1211 AIR WAY - GLENDALE - CALIFORNIA 91201

TITLE: PLUG CONNECTOR, SERIES 801, RATCHETING, COBRA STYLE

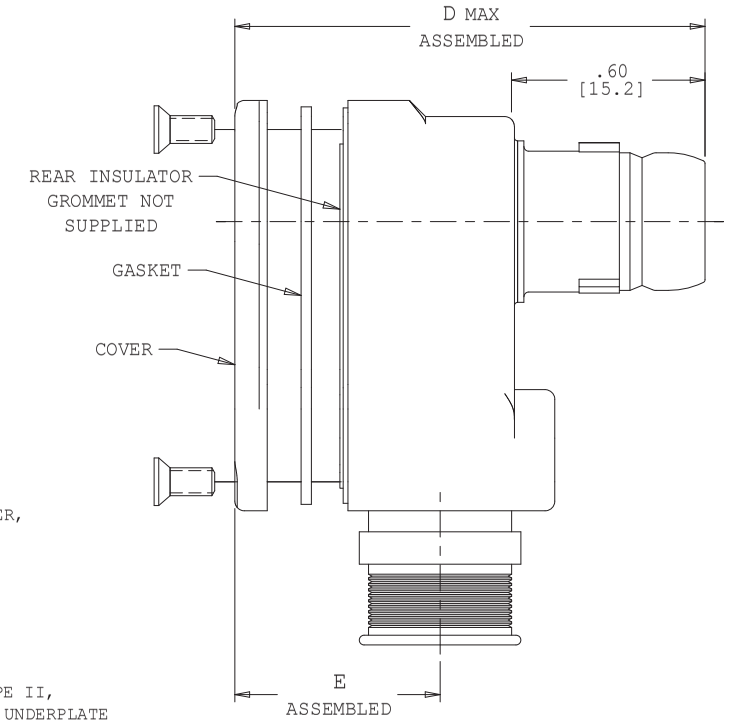
CODE IDENT. NO.	SIZE	DRAWING NO.	REV.
06324	A	801-069	B

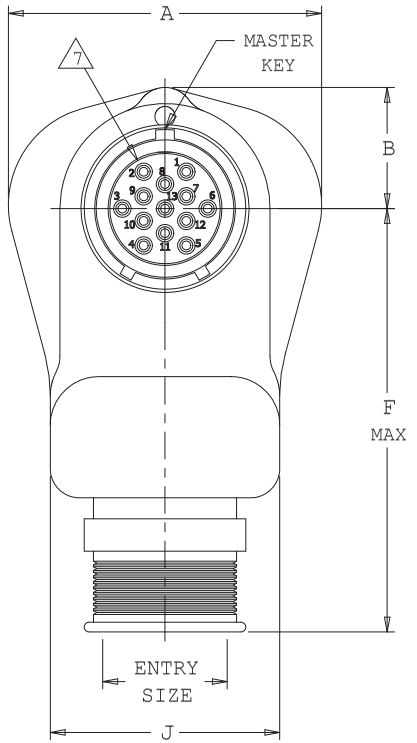
SCALE N.A. WEIGHT N.A. SHEET 2 OF 2

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	01/18/13	EAG
B	REVISED PER DCN #45302	02/12/13	EAG

TABLE I - MATERIAL / FINISH CLASS		
CLASS	SHELL MATERIAL	FINISH
M	ALUMINUM ALLOY	ELECTROLESS NICKEL (RoHS)
MT	ALUMINUM ALLOY	NICKEL-PTFE (RoHS)
NF	ALUMINUM ALLOY	OLIVE DRAB CADMIUM OVER ELECTROLESS NICKEL
ZNU	ALUMINUM ALLOY	BLACK ZINC-NICKEL OVER ELECTROLESS NICKEL (RoHS)
Z1	STAINLESS STEEL	PASSIVATE (RoHS)

CONTACT GLENAIR FOR ADDITIONAL FINISHES





FACE VIEW OF PLUG
AS VIEWED FROM ENGAGING END
(8-13PA1 SHOWN)

NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLY TO BE IDENTIFIED WITH GLENAIR'S NAME, PART NUMBER, AND DATE CODE, SPACE PERMITTING.

2. MATERIAL / FINISH:
   PLUG BARREL, HOUSING, COVER - ALUMINUM ALLOY OR STAINLESS STEEL / SEE TABLE I
   INSULATOR - LCP / NONE
   INTERFACIAL SEAL, GASKET - FLUOROSILICONE / NONE
   CONTACT - COPPER ALLOY / GOLD PLATE PER ASTM B 488, TYPE II, CODE C, CLASS 1.25 (.00005 MIN THK), OVER A SUITABLE UNDERPLATE
   CONTACT RETENTION CLIP - BERYLLIUM COPPER ALLOY / NONE
   HARDWARE - STAINLESS STEEL / PASSIVATE OR BLACK OXIDE

3. CONTACTS ARE SIZE 23.

4. CONSULT FACTORY FOR ADDITIONAL CONTACT ARRANGEMENTS AND/OR SHELL ORIENTATIONS.

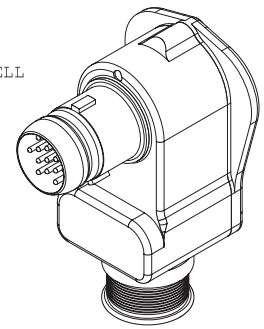
5. CRIMP BARREL ACCOMMODATES 22, 24, 26, AND 28 GAGE WIRE.

6. CRIMP TOOL DATA:
   A. HAND CRIMP TOOL: GLENAIR PART NO. 809-015.
   B. POSITIONER FOR HAND TOOL: GLENAIR PART NO. 809-005.
   C. INSERTION/EXTRACTION TOOL: GLENAIR PART NO. 809-088.

7. CONTACT ARRANGEMENT, CONTACT GENDER, KEY POSITIONS, AND SHELL ORIENTATION SHOWN ARE FOR REFERENCE ONLY.

8. THIS CONNECTOR MATES WITH ALL QUICK-DISCONNECT, HIGH DENSITY RECEPTACLE CONNECTORS WITH SAME POLARIZATION AND OPPOSITE CONTACT GENDER (804-003 THROUGH 804-006, 804-009, 804-020, AND 804-021).

9. REAR INSULATOR GROMMET NOT SUPPLIED.



UNLESS OTHERWISE SPECIFIED	DRAWN	EAG	01/18/13	GLENAIR, INC.	
DIMENSIONS ARE IN INCHES	CHECK	JMT	01/18/13	1211 AIR WAY - GLENDALE - CALIFORNIA 91201	
TOLERANCES	ENGR	EAG	01/18/13	TITLE	PLUG CONNECTOR, SERIES 804, COBRA STYLE
FRACTIONS ± 1/16	D.Brown APPROVED				
DECIMALS .XX ± .03 .XXX ± .015	APPROVED			CODE IDENT. NO. 06324	SIZE A
ANGLES ± 2°				DRAWING NO. 804-066	REV. B
DO NOT SCALE THIS DRAWING	RELEASE DATE		01/18/13		
B/F 12C3202 P/C 80	ORIGINAL RELEASE DATE		01/18/13	SCALE N.A. WEIGHT N.A.	SHEET 1 OF 2

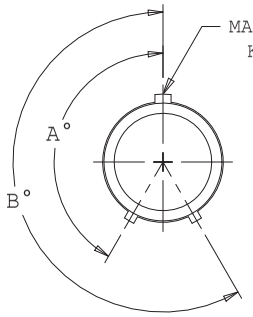
REVISION HISTORY
SEE SHEET 1 OF 2

TABLE II - DIMENSIONAL DATA

SHELL SIZE	øA	B	D	E	F	G	H	J	MAX ENTRY
5	.67 [17.0]	.27 [6.9]	1.03 [26.2]	.29 [7.4]	1.24 [31.5]	1.31 [33.4]	1.16 [29.5]	.500 [12.7]	03
6	.75 [19.1]	.30 [7.6]	1.08 [27.4]	.31 [7.9]	1.27 [32.3]	1.36 [34.5]	1.21 [30.7]	.560 [14.2]	04
7	.88 [22.4]	.34 [8.6]	1.20 [30.5]	.36 [9.1]	1.31 [33.3]	1.47 [37.3]	1.32 [33.5]	.650 [16.5]	05
8	.97 [24.6]	.38 [9.7]	1.24 [31.5]	.39 [9.9]	1.34 [34.0]	1.51 [38.4]	1.36 [34.5]	.710 [18.0]	06
9	1.06 [26.9]	.41 [10.4]	1.30 [33.0]	.42 [10.7]	1.37 [34.8]	1.58 [40.1]	1.43 [36.3]	.770 [19.6]	07
10	1.15 [29.2]	.44 [11.2]	1.35 [34.3]	.45 [11.4]	1.40 [35.6]	1.62 [41.1]	1.47 [37.3]	.835 [21.2]	08
12	1.33 [33.8]	.50 [12.7]	1.44 [36.6]	.49 [12.4]	1.51 [38.4]	1.71 [43.4]	1.56 [39.6]	.950 [24.1]	10
14	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	12

TABLE VI-CABLE ENTRY

CODE	ENTRY SIZE
02	.125
03	.188
04	.250
05	.313
06	.375
07	.438
08	.500
09	.563
10	.625
11	.688
12	.750

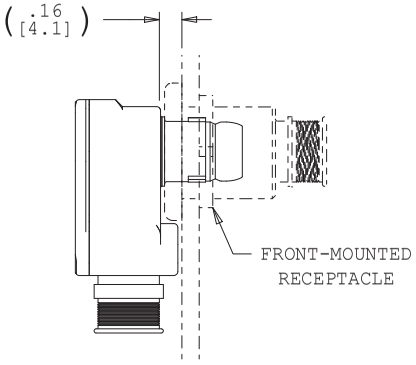


KEY POSITION

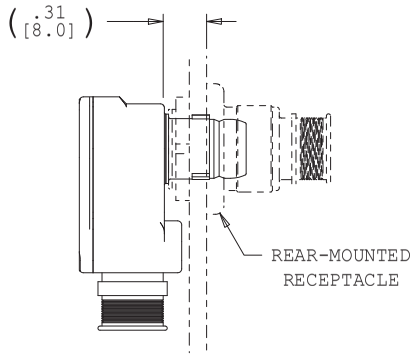
(POSITION A SHOWN)

TABLE III - KEY POSITION

POSITION	A°	B°
A (NORMAL)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°



SHOWN INSTALLED



SHOWN INSTALLED

TABLE IV-EXIT DIRECTION

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

PART NUMBER DEVELOPMENT

EXAMPLE: 804-066 -06 ZNU 8-13 P A 1 05

CONNECTOR SERIES

SHELL STYLE
-06 = PLUG

CLASS (SEE TABLE I)

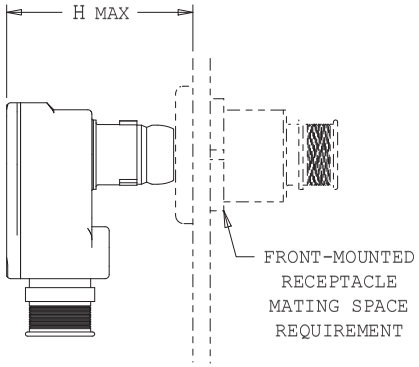
SHELL SIZE - CONTACT ARRANGEMENT
(SEE TABLE V)

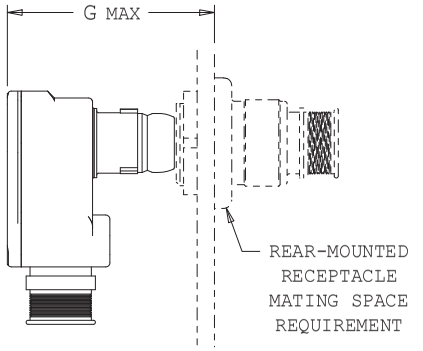
CONTACT STYLE
A = PIN, SOLDER
B = SOCKET, SOLDER
P = PIN, CRIMP
S = SOCKET, CRIMP

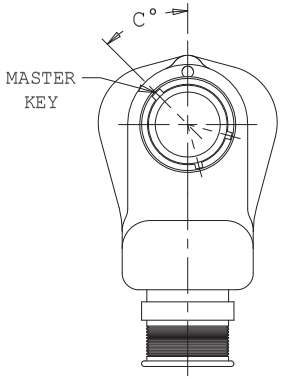
KEY POSITION
A THROUGH F (SEE TABLE III)
OMIT FOR SINGLE MASTER KEY

CABLE EXIT DIRECTION
1 THROUGH 8 (SEE TABLE IV)

CABLE ENTRY SIZE (SEE TABLE VI)







CABLE EXIT DIRECTION
(DIRECTION 2 SHOWN)

TABLE V - AVAILABLE ARRANGEMENTS

SHELL SIZE	CONTACT ARRANGEMENT*
5	5-3
6	6-4, 6-6, 6-7
7	7-10
8	8-13
9	9-19
10	10-26
12	12-37
14	14-55

*: # FOLLOWING DASH = # OF CONTACTS

UNLESS OTHERWISE SPECIFIED	DRAWN	EAG	01/18/13
DIMENSIONS ARE IN INCHES	CHECK	JMT	01/18/13
TOLERANCES	ENGR	EAG	01/18/13
FRACTIONS ± 1/16	D. Brown APPROVED		
DECIMALS .XX ± .03			
.XXX ± .015	APPROVED		
ANGLES ± 2°			
DO NOT SCALE THIS DRAWING	RELEASE DATE	01/18/13	
B/F 12C3202 P/C 80	ORIGINAL RELEASE DATE	01/18/13	

GLENAIR, INC.
1211 AIR WAY - GLENDALE - CALIFORNIA 91201

TITLE: PLUG CONNECTOR, SERIES 804, COBRA STYLE

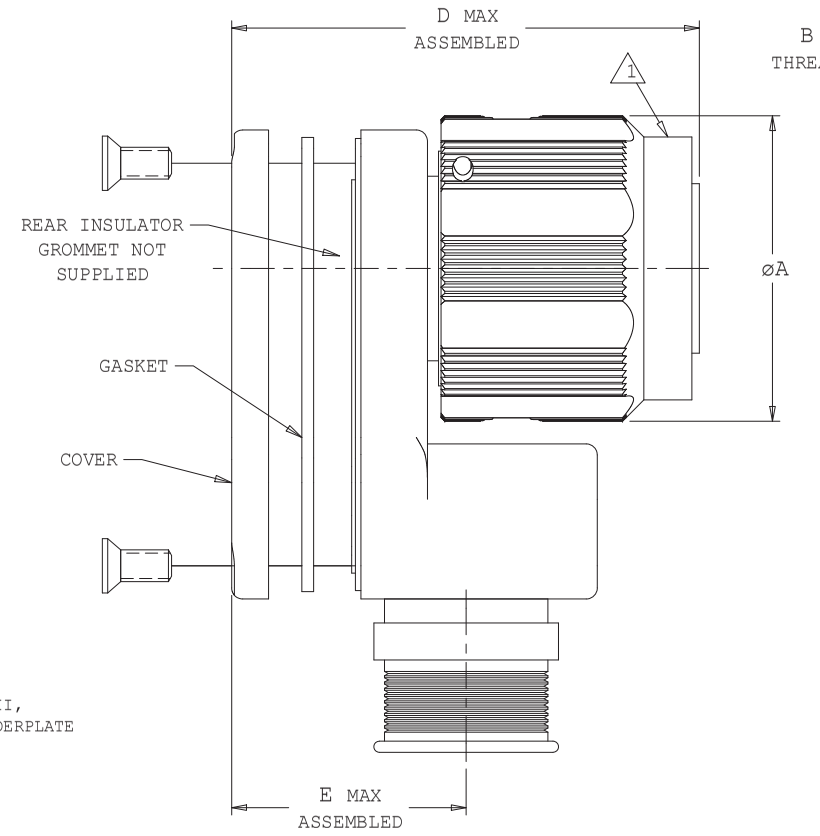
CODE IDENT. NO.	SIZE	DRAWING NO.	REV.
06324	A	804-066	B

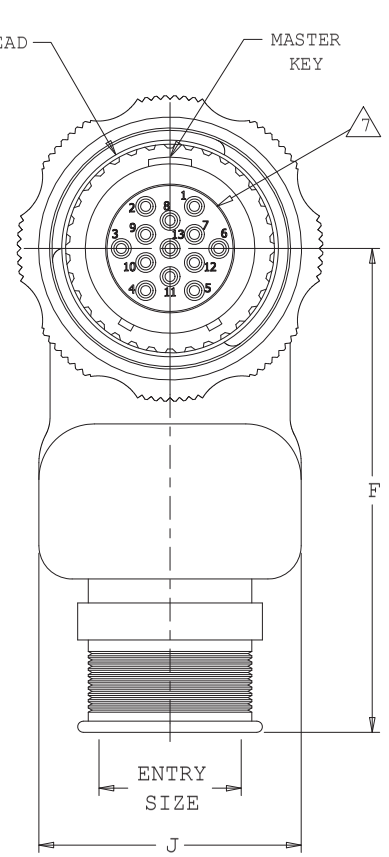
SCALE N.A. WEIGHT N.A. SHEET 2 OF 2

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	07/19/12	EAG
B	REVISED PER DCN #45302	02/12/13	EAG

TABLE I - MATERIAL / FINISH CLASS		
CLASS	SHELL MATERIAL	FINISH
M	ALUMINUM ALLOY	ELECTROLESS NICKEL (RoHS)
MT	ALUMINUM ALLOY	NICKEL-PTFE (RoHS)
NF	ALUMINUM ALLOY	OLIVE DRAB CADMIUM OVER ELECTROLESS NICKEL
ZNU	ALUMINUM ALLOY	BLACK ZINC-NICKEL OVER ELECTROLESS NICKEL (RoHS)
Z1	STAINLESS STEEL	PASSIVATE (RoHS)

CONTACT GLENAIR FOR ADDITIONAL FINISHES





FACE VIEW OF PLUG
AS VIEWED FROM ENGAGING END
(10-13PA1 SHOWN)

NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLY TO BE IDENTIFIED WITH GLENAIR'S NAME, PART NUMBER, AND DATE CODE, SPACE PERMITTING.

2. MATERIAL / FINISH:
   PLUG BARREL, COUPLING NUT, HOUSING, COVER - ALUMINUM ALLOY OR STAINLESS STEEL / SEE TABLE I
   INSULATOR - LCP / NONE.
   INTERFACIAL SEAL, GASKET - FLUOROSILICONE / NONE
   CONTACT - COPPER ALLOY / GOLD PLATE PER ASTM B 488, TYPE II, CODE C, CLASS 1.25 (.00005 MIN THK), OVER A SUITABLE UNDERPLATE
   CONTACT RETENTION CLIP - BERYLLIUM COPPER ALLOY / NONE
   HARDWARE - STAINLESS STEEL / PASSIVATE OR BLACK OXIDE
   RETAINING WIRE - TORLON / NONE
   DETENT SPRING, RIVET - STAINLESS STEEL / PASSIVATE
   EMI GROUND SPRING - BERYLLIUM COPPER / ELECTROLESS NICKEL

3. CONTACTS ARE SIZE 23.

4. CONSULT FACTORY FOR ADDITIONAL CONTACT ARRANGEMENTS AND/OR SHELL ORIENTATIONS.

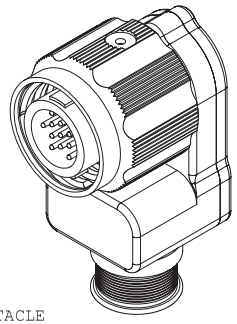
5. CRIMP BARREL ACCOMMODATES 22, 24, 26, AND 28 GAGE WIRE.

6. CRIMP TOOL DATA:
   A. HAND CRIMP TOOL: GLENAIR PART NO. 809-015.
   B. POSITIONER FOR HAND TOOL: GLENAIR PART NO. 809-005.
   C. INSERTION/EXTRACTION TOOL: GLENAIR PART NO. 809-088.

7. CONTACT ARRANGEMENT, CONTACT GENDER, KEY POSITIONS, AND SHELL ORIENTATION SHOWN ARE FOR REFERENCE ONLY.

8. THIS CONNECTOR MATES WITH ALL QUICK COUPLING, HIGH DENSITY RECEPTACLE CONNECTORS WITH SAME POLARIZATION AND OPPOSITE CONTACT GENDER (805-003 THROUGH 805-006 AND 805-017).

9. REAR INSULATOR GROMMET NOT SUPPLIED.



UNLESS OTHERWISE SPECIFIED	DRAWN	EAG	07/19/12	GLENAIR, INC.	
DIMENSIONS ARE IN INCHES	CHECK	GSB	07/19/12	1211 AIR WAY - GLENDALE - CALIFORNIA 91201	
TOLERANCES	ENGR	EAG	07/19/12	TITLE	PLUG CONNECTOR, SERIES 805 STYLE RATCHETING COBRA
FRACTIONS ± 1/16	D. Brown				
DECIMALS .XX ± .03	APPROVED				
.XXX ± .015					
ANGLES ± 2°	APPROVED				
DO NOT SCALE THIS DRAWING	RELEASE DATE	07/18/12		CODE IDENT. NO. 06324	SIZE A / DRAWING NO. 805-061 / REV. B
B/F 11C8797 P/C 80	ORIGINAL RELEASE DATE	07/18/12		SCALE N.A.	WEIGHT N.A. / SHEET 1 OF 2

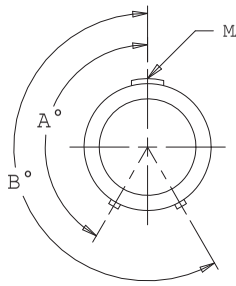
REVISION HISTORY
SEE SHEET 1 OF 2

TABLE II - DIMENSIONAL DATA

SHELL SIZE	øA	B THREAD	D	E	F	G	H	J	MAX ENTRY
8	.65 [15.7]	.5000-.1P-.3L-TS-2B	1.02 [25.9]	.34 [8.6]	1.24 [31.5]	1.76 [44.7]	1.62 [41.1]	.560 [14.22]	04
9	.79 [20.1]	.5625-.1P-.3L-TS-2B	1.03 [26.2]	.39 [9.9]	1.28 [32.5]	1.77 [45.0]	1.63 [41.4]	.650 [16.51]	05
10	.83 [21.1]	.6250-.1P-.3L-TS-2B	1.05 [26.7]	.42 [10.7]	1.31 [33.3]	1.79 [45.5]	1.65 [41.9]	.710 [18.03]	06
11	.92 [23.4]	.6875-.1P-.3L-TS-2B	1.08 [27.4]	.45 [11.4]	1.34 [34.0]	1.82 [46.2]	1.68 [42.7]	.770 [19.56]	07
12	.98 [24.9]	.7500-.1P-.3L-TS-2B	1.11 [28.2]	.48 [12.2]	1.37 [34.8]	1.85 [47.0]	1.71 [43.4]	.835 [21.21]	08
13	1.05 [26.7]	.8125-.1P-.3L-TS-2B	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	09
15	1.10 [27.9]	.9375-.1P-.3L-TS-2B	1.17 [29.7]	.52 [13.2]	1.48 [37.6]	1.91 [48.5]	1.77 [45.0]	.950 [24.13]	10
18	1.29 [32.8]	1.1250-.1P-.3L-TS-2B	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	12
19	1.31 [33.3]	1.1875-.1P-.3L-TS-2B	1.32 [33.5]	.63 [16.0]	1.78 [45.2]	2.06 [52.3]	1.92 [48.8]	1.180 [29.97]	13
21	1.45 [36.8]	1.3125-.1P-.3L-TS-2B	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	15
23	1.56 [39.6]	1.4375-.1P-.3L-TS-2B	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.	17

TABLE VI-CABLE ENTRY

CODE	ENTRY SIZE
02	.125
03	.188
04	.250
05	.313
06	.375
07	.438
08	.500
09	.563
10	.625
11	.688
12	.750
13	.813
14	.875
15	.938
16	1.000
17	1.063

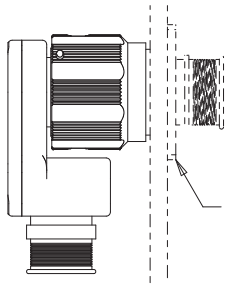


KEY POSITION

(POSITION A SHOWN)

TABLE III - KEY POSITION

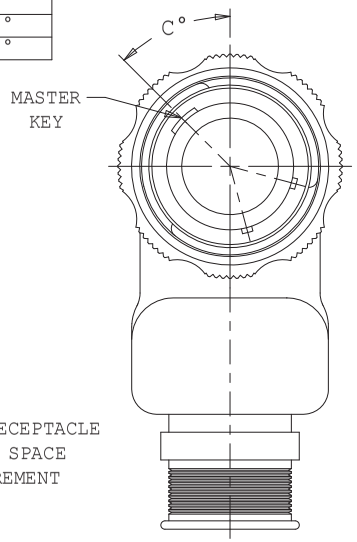
POSITION	A°	B°
A (NORMAL)	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°



SHOWN INSTALLED

TABLE IV-EXIT DIRECTION

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



CABLE EXIT DIRECTION

(DIRECTION 2 SHOWN)

PART NUMBER DEVELOPMENT

EXAMPLE: 805-061 -16 ZNU 9-10 P A 1 05

CONNECTOR SERIES

SHELL STYLE
-16 = PLUG CONNECTOR WITH RATCHETING ANTI-DECOUPLING MECHANISM

CLASS (SEE TABLE I)

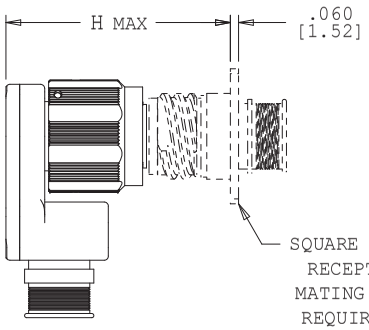
SHELL SIZE - CONTACT ARRANGEMENT
(SEE TABLE V)

CONTACT STYLE
A = PIN, SOLDER
B = SOCKET, SOLDER
P = PIN, CRIMP
S = SOCKET, CRIMP

KEY POSITION
A THROUGH F (SEE TABLE III)

CABLE EXIT DIRECTION
1 THROUGH 8 (SEE TABLE IV)

CABLE ENTRY SIZE (SEE TABLE VI)



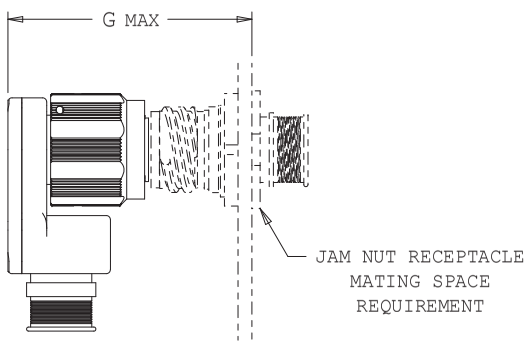


TABLE V - AVAILABLE ARRANGEMENTS

SHELL SIZE	CONTACT ARRANGEMENT*
8	8-4, 8-6, 8-7
9	9-10
10	10-13
11	11-19
12	12-26
13	13-31
15	15-37
18	18-55
19	19-85
21	21-100
23	23-130

*: # FOLLOWING DASH = # OF CONTACTS

UNLESS OTHERWISE SPECIFIED	DRAWN	EAG	07/19/12
DIMENSIONS ARE IN INCHES	CHECK	GSB	07/19/12
TOLERANCES	ENGR	EAG	07/19/12
FRACTIONS ± 1/16	D. Brown APPROVED		
DECIMALS .XX ± .03			
.XXX ± .015	APPROVED		
ANGLES ± 2°			
DO NOT SCALE THIS DRAWING	RELEASE DATE		07/18/12
B/F 11C8797 P/C 80	ORIGINAL RELEASE DATE		07/18/12

GLENAIR, INC.
1211 AIR WAY - GLENDALE - CALIFORNIA 91201

TITLE: PLUG CONNECTOR, SERIES 805 STYLE RATCHETING COBRA

CODE IDENT. NO.	SIZE	DRAWING NO.	REV.
06324	A	805-061	B

SCALE N.A. WEIGHT N.A. SHEET 2 OF 2