



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. 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 mismatching. 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.

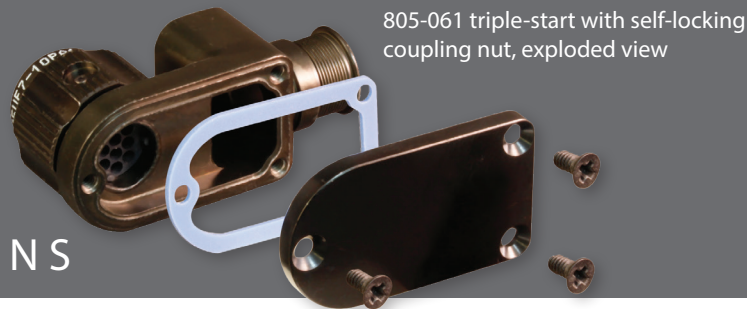
- Space-saving design features one-piece machined and brazed connector shell and right angle backshell for minimum height and optimal EMI performance.
- Master key clocking enables easy cable entry/exit routing in eight angles
- Removable rear cover and gasket provides easy access to end of connector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

Glenair®

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

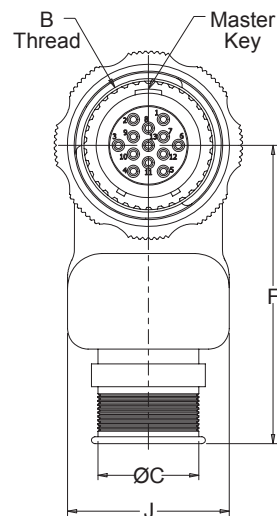
MIGHTY MOUSE Cobra

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: 1 meter 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						

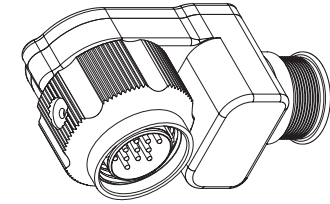
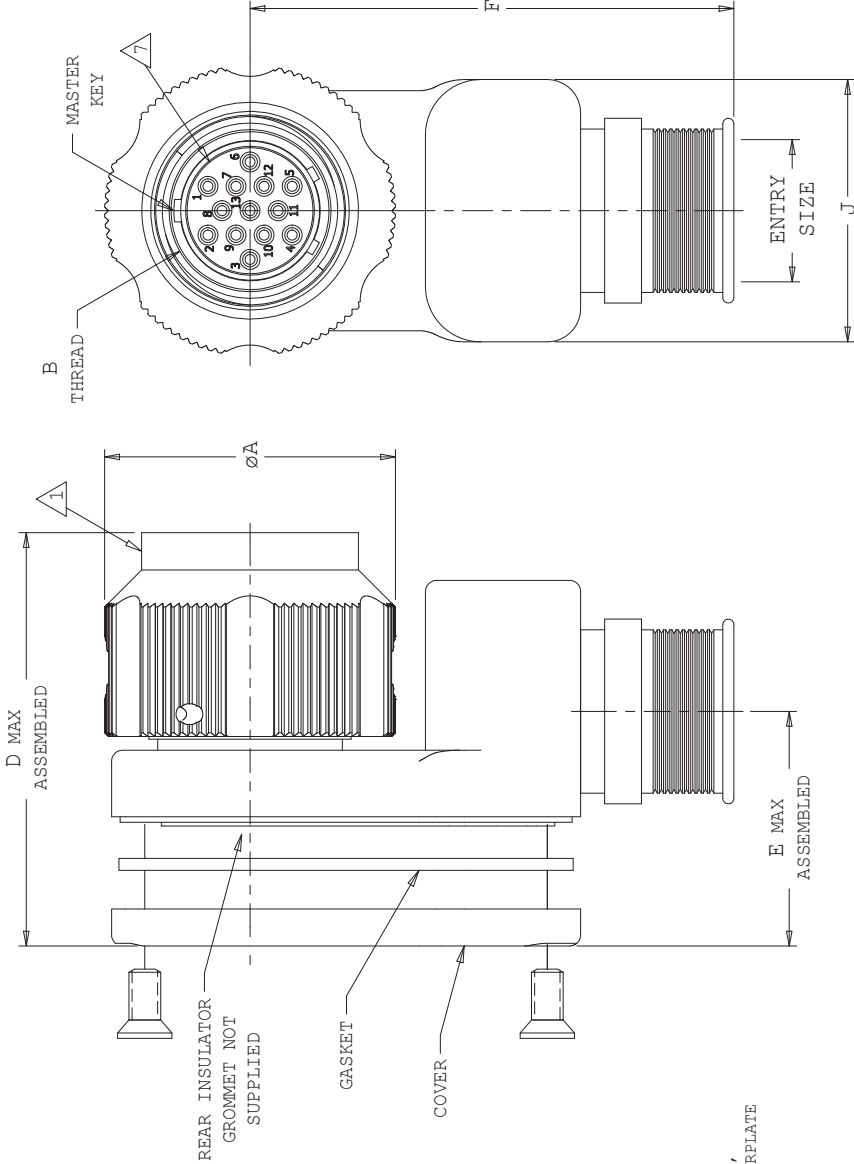
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REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	10/09/12	EAG
B	REVISED PER DCN #45302	02/12/13	EAG

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



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	GLENAIR, INC.	
DIMENSIONS ARE IN INCHES TOLERANCES	FRACTIONS ± 1/16 DECIMALS .XX ± .03 .XXX ± .015	CHECK	GSB	03/05/12	1211 AIR WAY - GLENDALE - CALIFORNIA 91201	
		ENGR	EAG	03/05/12	TITLE PLUG CONNECTOR, SERIES 801, RATCHETING, COBRA STYLE	
		APPROVED		CODE IDENT. NO. SIZE DRAWING NO.		
APPROVED		06324 A 801-069				
RELEASE DATE		03/05/12				
RELEASE DATE		03/05/12				
DO NOT SCALE THIS DRAWING						REV. B
B/F 10C5078/P/C 80					SCALE N.A. WEIGHT N.A. SHEET 1 OF 2	2

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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 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°

TABLE IV - EXIT DIRECTION

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

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

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

TABLE VII - 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 VIII - 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

TABLE IX - 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

TABLE X - 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

TABLE XI - 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

TABLE XII - 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

TABLE XIII - 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

TABLE XIV - 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

TABLE XV - 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

TABLE XVI - 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

TABLE XVII - 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

TABLE XVIII - 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

TABLE XIX - 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

TABLE XX - 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

TABLE XXI - 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

TABLE XXII - 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

TABLE XXIII - 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

TABLE XXIV - 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

TABLE XXV - 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

TABLE XXVI - 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

TABLE XXVII - 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

TABLE XXVIII - 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

TABLE XXIX - 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

TABLE XXX - 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

TABLE XXXI - 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

TABLE XXXII - 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

TABLE XXXIII - 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

TABLE XXXIV - 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

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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

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.

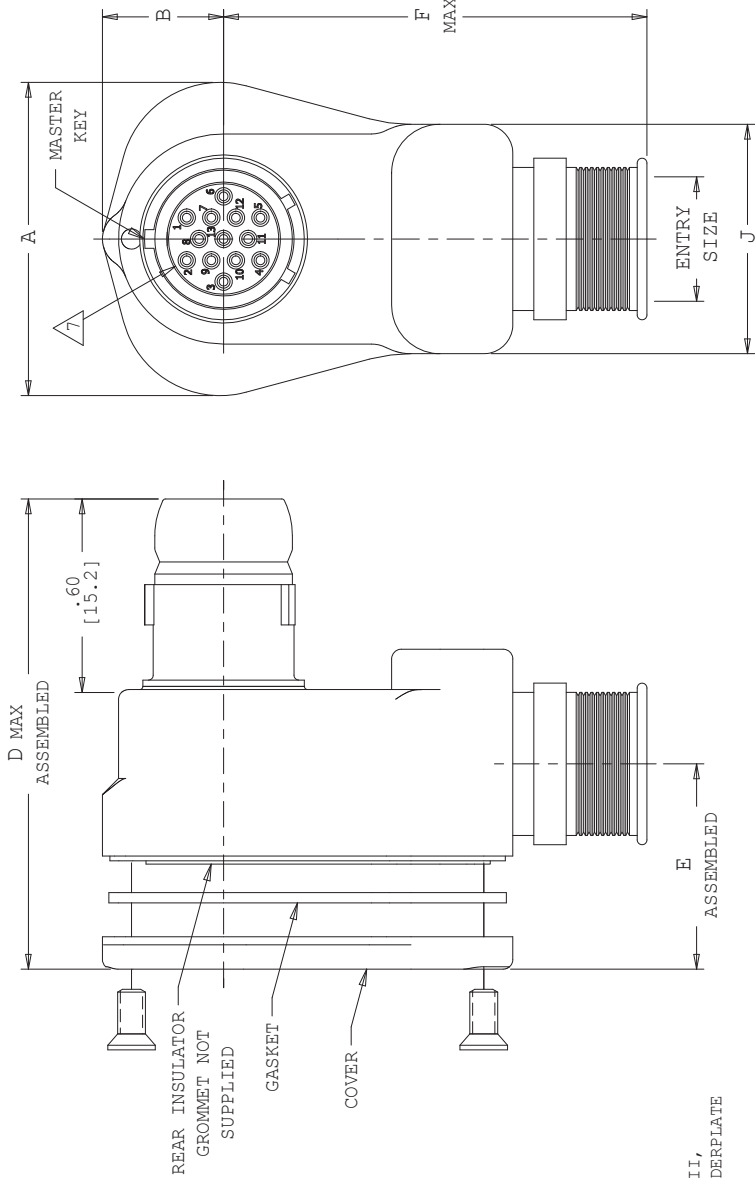
B. POSITIONER FOR HAND TOOL: GLENAIR PART NO. 809-005.

C. INSERTION/EXTRACTION TOOL: GLENAIR PART NO. 809-088.

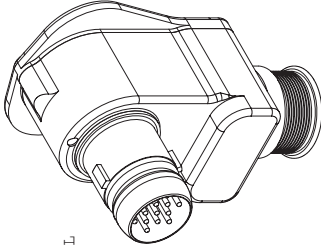
CONTACT ARRANGEMENT, CONTACT GENDER, KEY POSITIONS, AND SHELL ORIENTATION SHOWN ARE FOR REFERENCE ONLY.

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.



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



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	<i>D. Brown</i> APPROVED		
DECIMALS	.XX ± .03			
DECIMALS	.XXX ± .015			
ANGLES	± 2°	APPROVED		
DO NOT SCALE THIS DRAWING		RELEASE DATE	01/18/13	
B/F 12C3202	P/C 80	RELEASE DATE	01/18/13	
SCALE		N.A.	WEIGHT	N.A.
SHEET		N.A.	1 OF	2

GLENAIR, INC.	
1211 AIR WAY - GLENDALE - CALIFORNIA 91201	
TITLE	
PLUG CONNECTOR,	
SERIES 804,	
COBRA STYLE	
CODE IDENT. NO.	SIZE DRAWING NO.
06324	A
804-066	B

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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

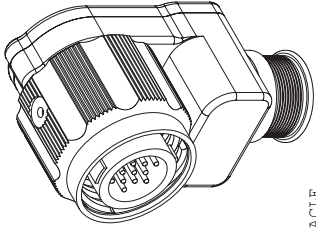
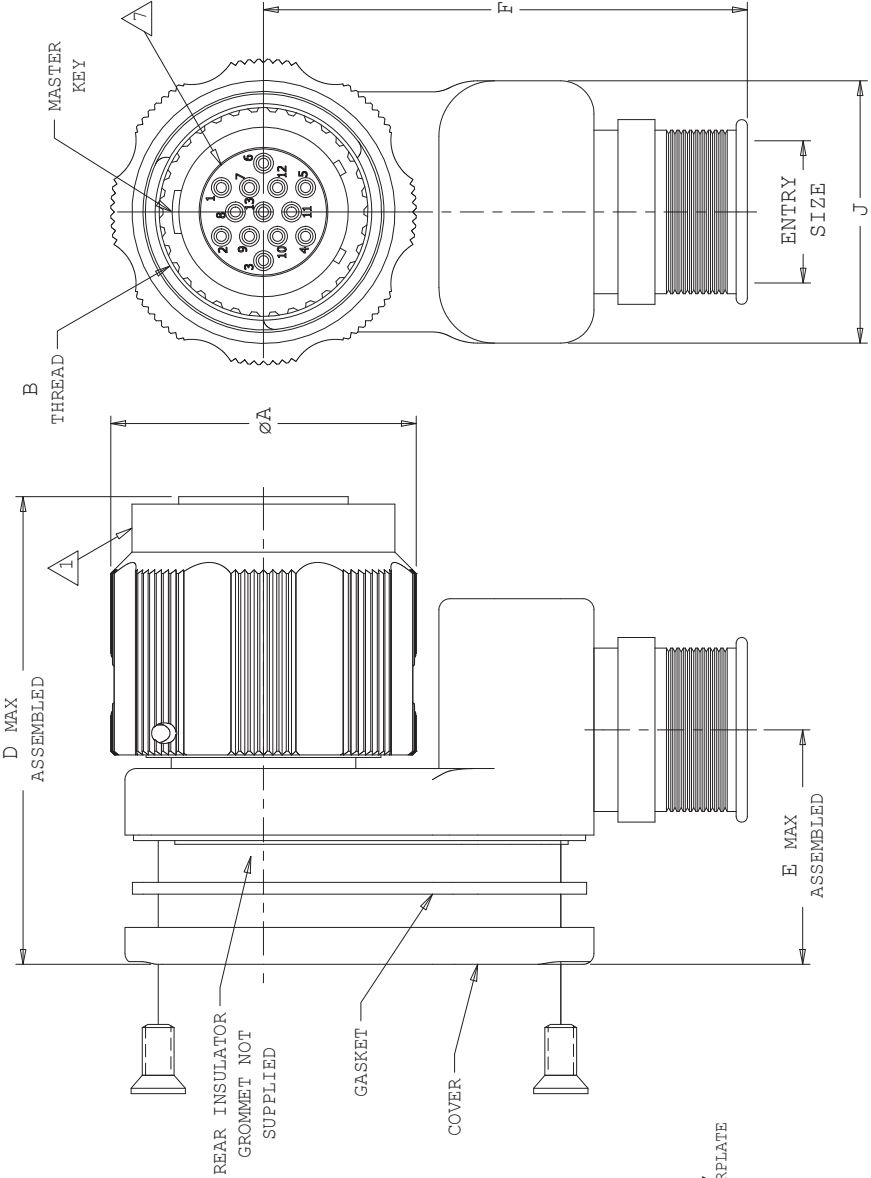
NOTES: UNLESS OTHERWISE SPECIFIED

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.

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



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

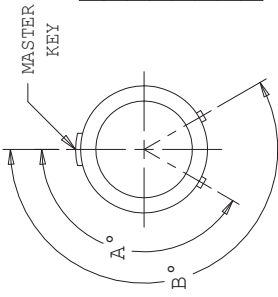
GLENAIR, INC.	
1211 AIR WAY - GLENDALE - CALIFORNIA 91201	
TITLE	
PLUG CONNECTOR,	
SERIES 805 STYLE	
RATCHETING COBRA	
CODE IDENT. NO. SIZE DRAWING NO.	REV.
06324 A	805-061 B
SCALE N.A.	WEIGHT N.A.
SHEET 1	OF 2

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REVISION HISTORY
SEE SHEET 1 OF 2

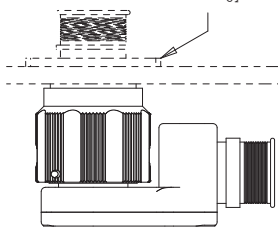
TABLE II - DIMENSIONAL DATA

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



KEY POSITION
(POSITION A SHOWN)

TABLE III - KEY POSITION	
POSITION	B°
A (NORMAL)	150°
B	75°
C	95°
D	140°
E	75°
F	95°



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: 805-061 -16 2NU 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

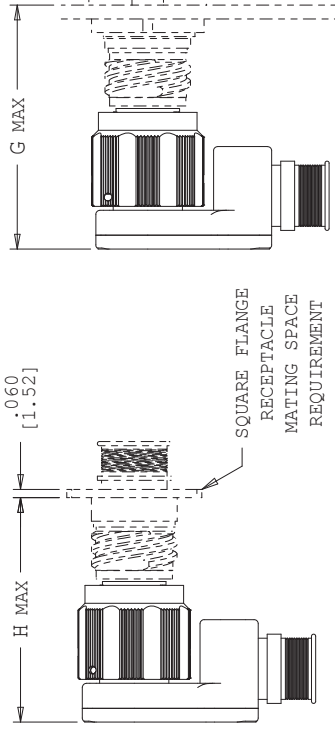
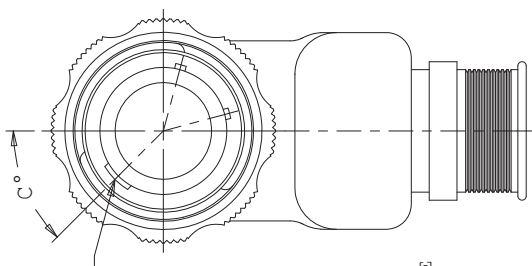
KEY POSITION

A THROUGH F (SEE TABLE III)

CABLE EXIT DIRECTION

1 THROUGH 8 (SEE TABLE IV)

CABLE ENTRY SIZE (SEE TABLE VI)



CABLE EXIT DIRECTION
(DIRECTION 2 SHOWN)

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	<i>D. Brown</i> APPROVED		
DECIMALS .XX ± .03			
ANGLES ± 2°			
DO NOT SCALE THIS DRAWING	RELEASE DATE	07/18/12	REV.
B/F 11C8797/P/C 80	RELEASE DATE	07/18/12	06324 A
SCALE N.A.		WEIGHT N.A.	SHEET 2 OF 2

GLENNAIR, 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