

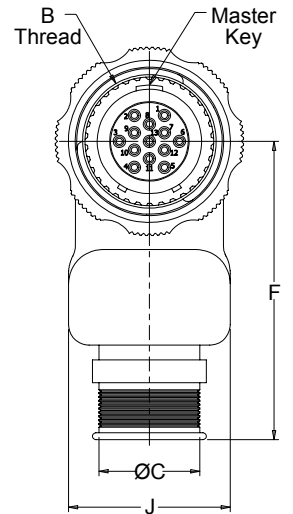
# MIGHTY MOUSE Cobra

## 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               | <b>801-069-26</b> Double-Start self-locking plug with ratchet mechanism (the clicker)<br><b>804-066-06</b> QDC Push-Pull plug<br><b>805-061-16</b> 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 (RoHS) |
| 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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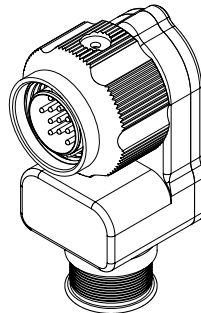
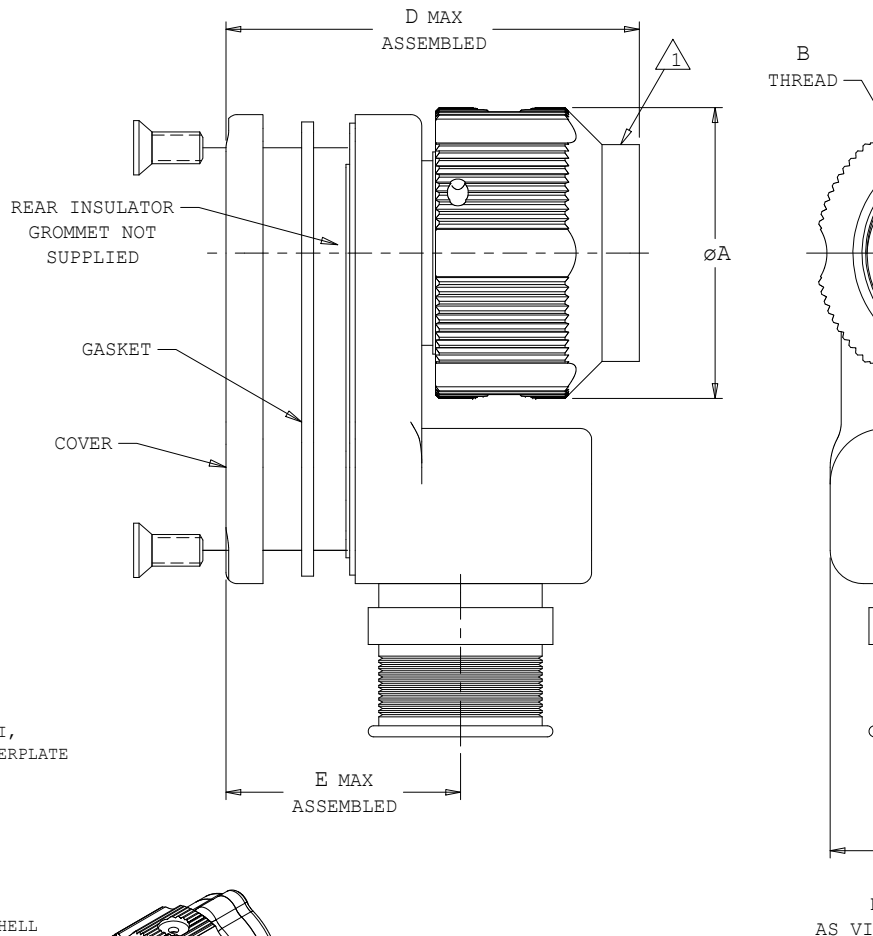
| TABLE I - MATERIAL / FINISH CLASS |                 |                                                  |
|-----------------------------------|-----------------|--------------------------------------------------|
| CLASS                             | SHELL MATERIAL  | FINISH                                           |
| 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.

| REVISION HISTORY |                        |
|------------------|------------------------|
| REV              | DESCRIPTION            |
| A                | PRODUCTION RELEASE     |
| B                | REVISED PER DCN #45302 |



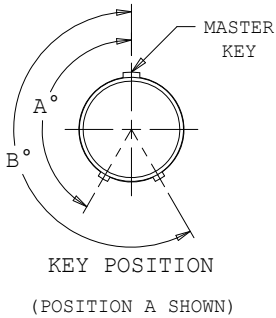
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|-----------------------------------|----------|---------------|-----|----------|-----------------------------------------------------------------|
| UNLESS OTHERWISE SPECIFIED        |          | DRAWN         | EAG | 03/05/12 | GLE<br>1211 AIR<br>SER<br>CODE IDENT. NO<br>06324<br>SCALE N.A. |
| DIMENSIONS ARE IN INCHES          |          | CHECK         | GSB | 03/05/12 |                                                                 |
| TOLERANCES                        |          | ENGR          | EAG | 03/05/12 |                                                                 |
| FRACTIONS ± 1/16                  | D. Brown |               |     |          | TITLE<br><br>SER                                                |
| DECIMALS .XX ± .03<br>.XXX ± .015 | APPROVED |               |     |          |                                                                 |
| ANGLES ± 2°                       | APPROVED |               |     |          |                                                                 |
| DO NOT SCALE THIS DRAWING         |          | RELEASE DATE  |     | 03/05/12 | 06324                                                           |
| B/F 10C5078 P/C 80                |          | ORIGINAL DATE |     | 03/05/12 |                                                                 |

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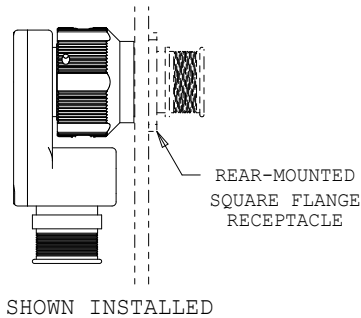
REVISION HIS  
SEE SHEET 1

TABLE II - DIMENSIONAL DATA

| SHELL SIZE | øA          | B THREAD          | D           | E          | F           | G           | H           | J             | MAX ENTR. |
|------------|-------------|-------------------|-------------|------------|-------------|-------------|-------------|---------------|-----------|
| 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° |

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) —

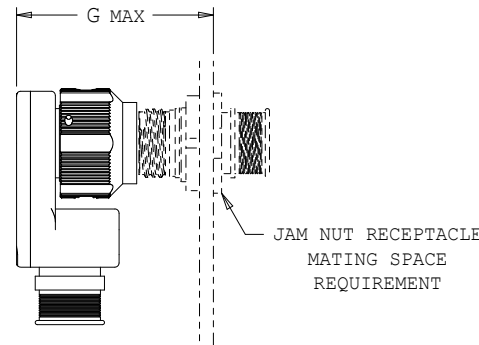
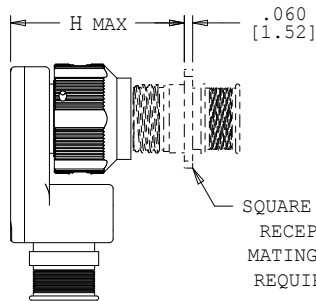
SHELL SIZE - CONTACT ARRANGEMENT (SEE TABLE V) —

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 | GLE<br>1211 AIR<br>SER<br>CODE IDENT. NO<br>06324<br>SCALE N.A. |
| DIMENSIONS ARE IN INCHES<br>TOLERANCES<br>FRACTIONS ± 1/16<br>DECIMALS .XX ± .03<br>.XXX ± .015<br>ANGLES ± 2° |  | CHECK                                | GSB | 03/05/12 |                                                                 |
|                                                                                                                |  | ENGR                                 | EAG | 03/05/12 |                                                                 |
|                                                                                                                |  | TITLE<br><i>D. Brown</i><br>APPROVED |     |          |                                                                 |
| DO NOT SCALE THIS DRAWING                                                                                      |  | RELEASE DATE 03/05/12                |     |          | ORIGINAL<br>RELEASE DATE                                        |
| B/F 10C5078 P/C 80                                                                                             |  | 03/05/12                             |     |          |                                                                 |

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REVISION HISTORY

| REV | DESCRIPTION            |
|-----|------------------------|
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| B   | REVISED PER DCN #45302 |

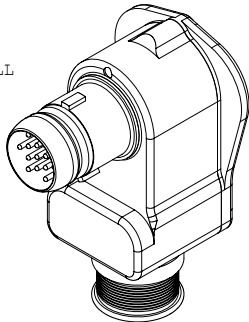
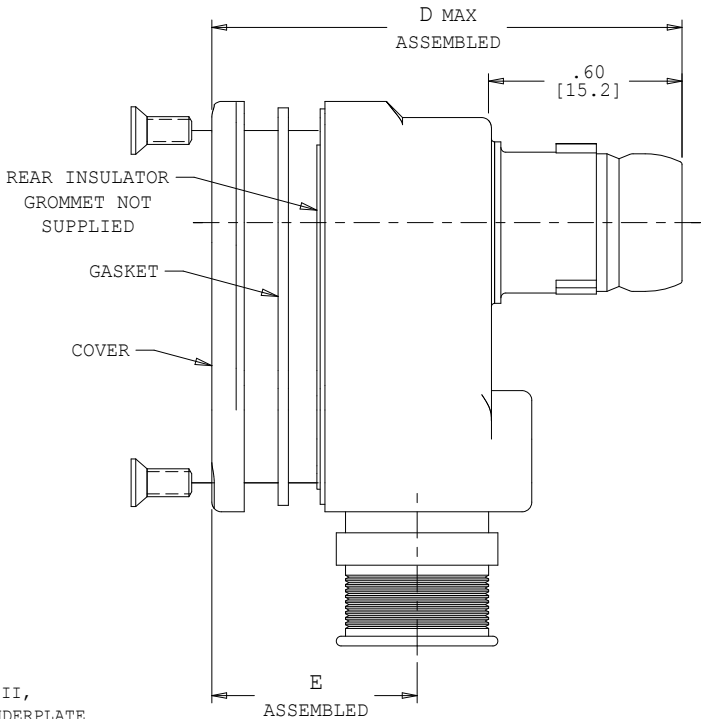
TABLE I - MATERIAL / FINISH CLASS

| 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.
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 | GLE<br>1211 AIR |
| DIMENSIONS ARE IN INCHES   | CHECK                       | JMT      | 01/18/13 |                 |
| TOLERANCES                 | ENGR                        | EAG      | 01/18/13 |                 |
| FRACTIONS ± 1/16           | APPROVED<br><i>D. Brown</i> |          |          | TITLE           |
| DECIMALS .XX ± .03         | APPROVED                    |          |          | CODE IDENT. NO. |
| ANGLES ± 2°                | APPROVED                    |          |          | 06324           |
| DO NOT SCALE THIS DRAWING  | RELEASE DATE                | 01/18/13 | SCALE    | N.A.            |
| B/F 12C3202 P/C 80         | ORIGINAL RELEASE DATE       | 01/18/13 |          |                 |

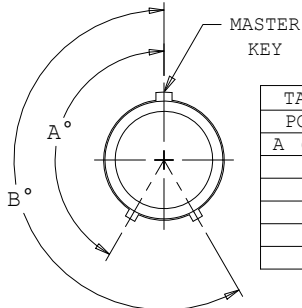
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SEE SHEET 1

TABLE II - DIMENSIONAL DATA

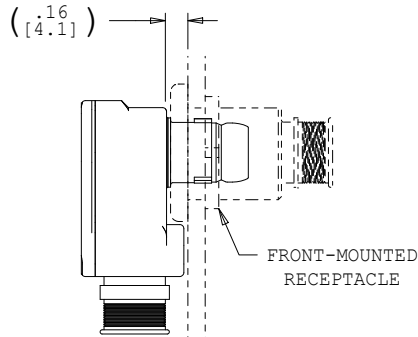
| SHELL SIZE | øA          | B          | D           | E          | F           | G           | H           | J           | MAX ENTRY |
|------------|-------------|------------|-------------|------------|-------------|-------------|-------------|-------------|-----------|
| 5          | .67 [17.0]  | .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        |



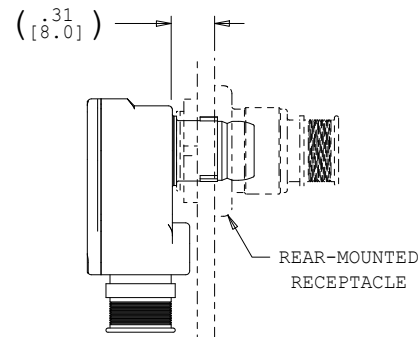
KEY POSITION

(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

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

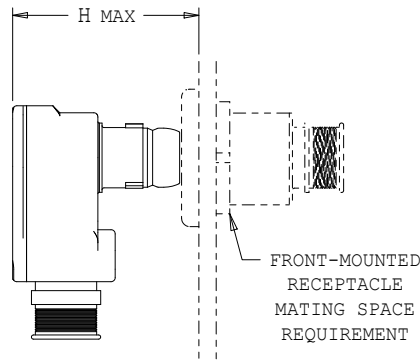
A = PIN, SOLDER  
B = SOCKET, SOLDER  
P = PIN, CRIMP  
S = SOCKET, CRIMP

KEY POSITION

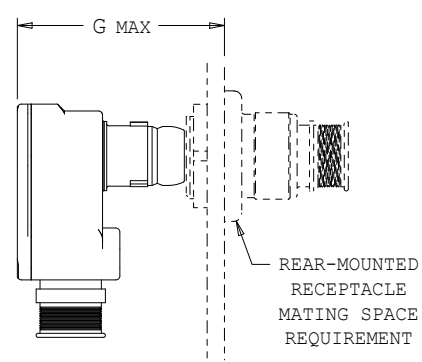
A THROUGH F (SEE TABLE III)  
OMIT FOR SINGLE MASTER KEY

CABLE EXIT DIRECTION  
1 THROUGH 8 (SEE TABLE IV)

CABLE ENTRY SIZE (SEE TABLE VI)



FRONT-MOUNTED  
RECEPTACLE  
MATING SPACE  
REQUIREMENT



REAR-MOUNTED  
RECEPTACLE  
MATING SPACE  
REQUIREMENT

| 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 | GLE<br>1211 AIR<br>TITLE<br>CODE IDENT. NO<br>06324<br>SCALE N.A. |
| DIMENSIONS ARE IN INCHES<br>TOLERANCES<br>FRACTIONS ± 1/16<br>DECIMALS .XX ± .03<br>.XXX ± .015<br>ANGLES ± 2°<br>DO NOT SCALE THIS DRAWING<br>B/F 12C3202 P/C 80 |  | CHECK                | JMT | 01/18/13 |                                                                   |
|                                                                                                                                                                   |  | ENGR                 | EAG | 01/18/13 |                                                                   |
|                                                                                                                                                                   |  | D. Brown<br>APPROVED |     |          |                                                                   |
|                                                                                                                                                                   |  | APPROVED             |     |          |                                                                   |
| RELEASE DATE                                                                                                                                                      |  | 01/18/13             |     |          |                                                                   |
| ORIGINAL<br>RELEASE DATE                                                                                                                                          |  | 01/18/13             |     |          |                                                                   |

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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.

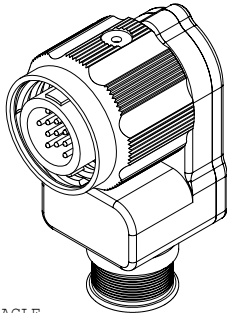
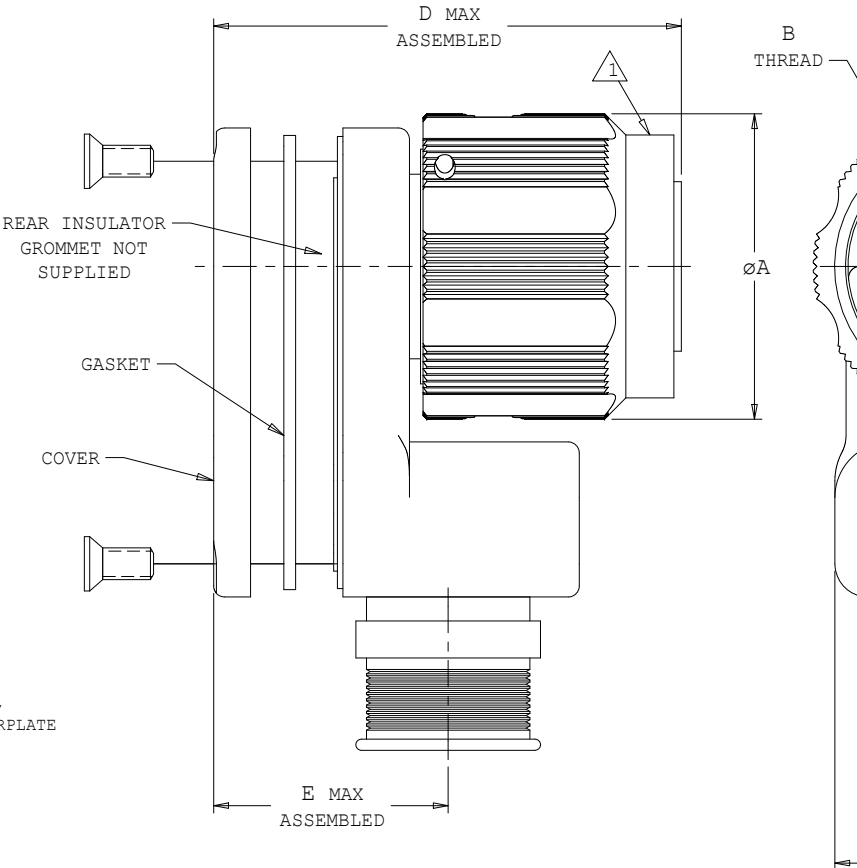
5. CRIMP BARREL ACCOMMODATES 22, 24, 26, AND 28 GAGE WIRE.

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.



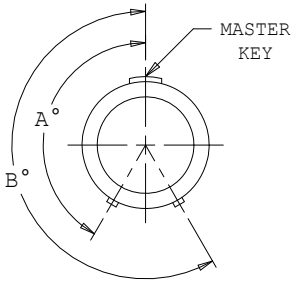
|                                        |  |                                         |     |            |                          |
|----------------------------------------|--|-----------------------------------------|-----|------------|--------------------------|
| UNLESS OTHERWISE SPECIFIED             |  | DRAWN                                   | EAG | 07/19/12   | GLE<br>1211 AIR          |
| DIMENSIONS ARE IN INCHES<br>TOLERANCES |  | CHECK                                   | GSB | 07/19/12   |                          |
|                                        |  | ENGR                                    | EAG | 07/19/12   |                          |
| FRACTIONS ± 1/16                       |  | <div>D. Brown</div> <div>APPROVED</div> |     |            | TITLE                    |
| DECIMALS .XX ± .03<br>.XXX ± .015      |  |                                         |     |            |                          |
| ANGLES ± 2°                            |  | <div></div> <div>APPROVED</div>         |     |            |                          |
| DO NOT SCALE THIS DRAWING              |  |                                         |     |            | CODE IDENT. NO.<br>06324 |
| B/F 11C8797/P/C 80                     |  | RELEASE DATE 07/18/12                   |     | SCALE N.A. |                          |
|                                        |  | ORIGINAL RELEASE DATE 07/18/12          |     |            |                          |

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REVISION HIS  
SEE SHEET 1

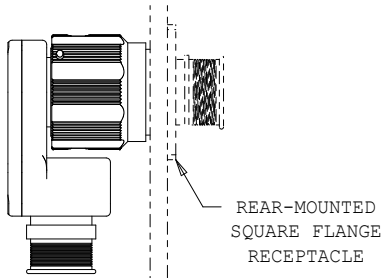
TABLE II - DIMENSIONAL DATA

| SHELL SIZE | øA          | B THREAD             | D           | E          | F           | G           | H           | J             | MAX |
|------------|-------------|----------------------|-------------|------------|-------------|-------------|-------------|---------------|-----|
| 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]  | 0   |
| 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]  | 0   |
| 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]  | 0   |
| 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]  | 0   |
| 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]  | 0   |
| 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.        | 0   |
| 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]  | 1   |
| 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.        | 1   |
| 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] | 1   |
| 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.        | 1   |
| 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.        | 1   |



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° |

PART NUMBER DEVELOPMENT

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

CONNECTOR SERIES 805-061

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

CLASS (SEE TABLE I) ZNU

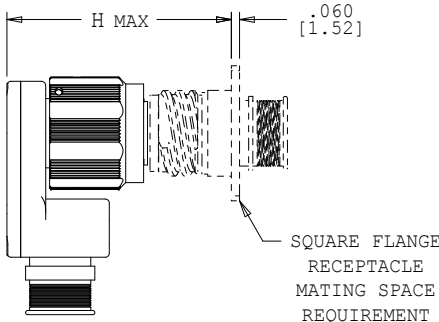
SHELL SIZE - CONTACT ARRANGEMENT (SEE TABLE V) 9-10

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

KEY POSITION A THROUGH F (SEE TABLE III) A

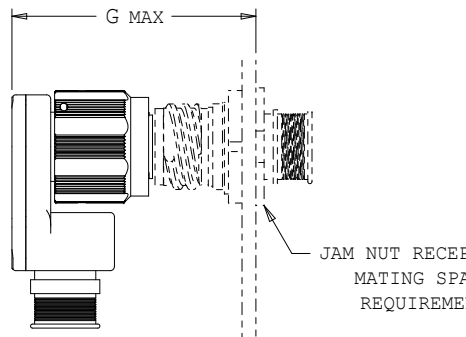
CABLE EXIT DIRECTION 1 THROUGH 8 (SEE TABLE IV) 1

CABLE ENTRY SIZE (SEE TABLE VI) 05



| 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<br>TOLERANCES |  | CHECK                                   | GSB      | 07/19/12 |
|                                        |  | ENGR                                    | EAG      | 07/19/12 |
| FRACTIONS ± 1/16                       |  | <div>D. Brown</div> <div>APPROVED</div> |          |          |
| DECIMALS .XX ± .03                     |  |                                         |          |          |
| .XXX ± .015                            |  |                                         |          |          |
| ANGLES ± 2°                            |  |                                         |          |          |
| DO NOT SCALE THIS DRAWING              |  | APPROVED                                |          |          |
| B/F 11C8797/P/C 80                     |  | RELEASE DATE                            | 07/18/12 |          |
|                                        |  | ORIGINAL DATE                           | 07/18/12 |          |

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[60-042022-23P](#) [60-042217-10P](#) [0114-201-1278](#) [012-0467-000](#) [602GB06EG24-61SN](#) [0134-201-1207](#) [0134-213-1006](#) [6104-207-2302](#) [6104-](#)  
[208-1902](#) [61-168211-04P](#) [61-168617-10P](#) [6131-202-19149P](#) [6131-204-21149P](#) [6131-208-13149P](#) [6131-209-17149P](#) [6131-210-11149P](#) [6131-](#)  
[211-19149P](#) [6131-216-19149P](#) [6131-259-21149P](#) [6131-259-23149P](#) [6131-265-17149P](#) [6131-265-19149P](#) [CS3100A18-1P-472](#) [CS3100A-36-](#)  
[77P](#) [CS3101A-16-55P](#) [CS3102A-10SL-55P](#) [CS3102A-14S-58P](#) [CS3102A-18-1P116](#) [CS3102A-32-17P](#) [CS3102A32-25S](#) [CS3102C18-4P-472](#)  
[CS3106A10SL3S004](#) [CS3106A-18-73S](#) [CS3108A-14S-52S](#) [CS3108A-28-51S](#) [6162-233-1277](#) [6162-324-1231](#) [M243082296Z](#)  
[M2884010AC1S1](#) [CT0-24-10SC](#) [CT0M20-7PCAU](#)