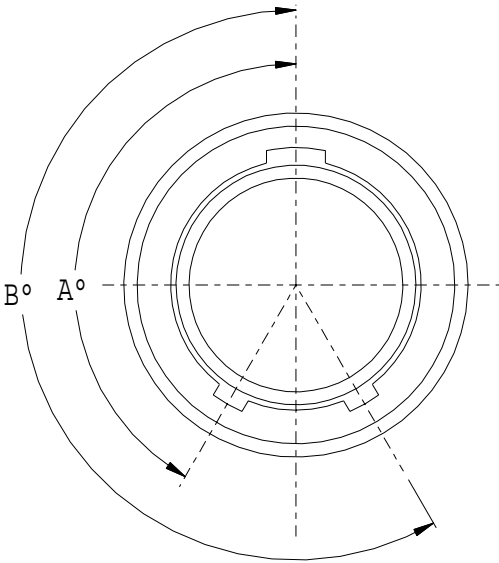


| TABLE IV                          |      |      |
|-----------------------------------|------|------|
| ALTERNATE KEY AND KEYWAY POSITION |      |      |
| POSITION                          | A°   | B°   |
| A                                 | 150° | 210° |
| B                                 | 75°  | 210° |
| C                                 | 95°  | 230° |
| D                                 | 140° | 275° |

| REVISIONS |             |      |          |
|-----------|-------------|------|----------|
| SYM.      | DESCRIPTION | DATE | APPROVED |
|           | SEE SHEET 1 |      |          |

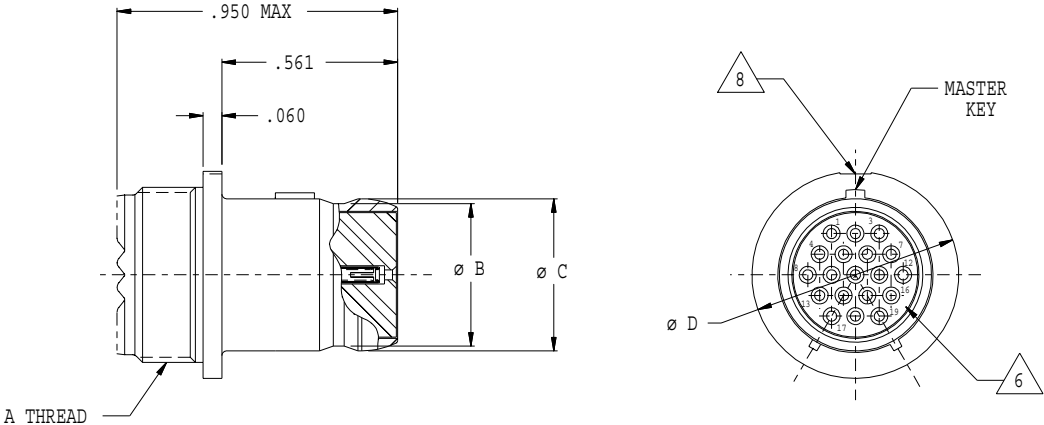


ALTERNATE POSITION  
KEY ROTATION

|                                                                                                                                                                                                              |  |                                         |  |                               |  |                                                                                                    |  |                                                                                        |         |              |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|-------------------------------|--|----------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|---------|--------------|------|
| UNLESS OTHERWISE SPECIFIED<br><br>DIMENSIONS ARE IN INCHES<br><br>TOLERANCES:<br><br>FRACTIONS    ± 1/16<br>DECIMALS    .XX    ± .030<br>.XXX   ± .015<br>ANGLES       ± 1°<br><br>DO NOT SCALE THIS DRAWING |  | DRAWN    R L                            |  | 05/13/04                      |  | <div>GLENAIR, INC.</div> <div>CAD 2000</div> <div>1211 AIR WAY - GLENDALE - CALIFORNIA 91201</div> |  |                                                                                        |         |              |      |
|                                                                                                                                                                                                              |  | CHECK                                   |  |                               |  |                                                                                                    |  |                                                                                        |         |              |      |
|                                                                                                                                                                                                              |  | ENGR                                    |  | GSB                           |  | 05/13/04                                                                                           |  | CONNECTOR PLUG, PUSH/PULL TYPE.<br>#23 CONTACTS, CRIMP REAR RELEASE<br>SHELL SIZE 5-15 |         |              |      |
|                                                                                                                                                                                                              |  | <div>D. Brown</div> <div>APPROVED</div> |  |                               |  |                                                                                                    |  |                                                                                        |         |              |      |
|                                                                                                                                                                                                              |  | <div></div> <div>APPROVED</div>         |  |                               |  | CODE IDENT. NO.                                                                                    |  | SIZE                                                                                   | 807-191 |              | REV. |
|                                                                                                                                                                                                              |  | RELEASE DATE                            |  |                               |  | 06324                                                                                              |  | C                                                                                      |         |              | B    |
|                                                                                                                                                                                                              |  | ORIGINAL RELEASE DATE                   |  |                               |  |                                                                                                    |  | 807-191                                                                                |         |              |      |
| B/F 04-3857                                                                                                                                                                                                  |  | P/C 807                                 |  | NON REPARABLE COMMERCIAL ITEM |  | SCALE N/A                                                                                          |  | WEIGHT N/A                                                                             |         | SHEET 3 OF 3 |      |

| TABLE I |                 |                                                    |
|---------|-----------------|----------------------------------------------------|
| CLASS   | SHELL MATERIAL  | FINISH DESCRIPTION                                 |
| C       | ALUMINUM        | BLACK ANODIZE FINISH                               |
| M       |                 | ELECTROLESS NICKEL FINISH                          |
| NF      |                 | OLIVE DRAB CADMINUM OVER ELECTROLESS NICKEL FINISH |
| ZN      |                 | ZINC-NICKEL/O. D. OVER ELECTROLESS NICKEL          |
| Z1      | STAINLESS STEEL | PASSIVATE                                          |

| REVISIONS |                       |          |          |
|-----------|-----------------------|----------|----------|
| SYM.      | DESCRIPTION           | DATE     | APPROVED |
| A         | RELEASED              | 03/16/05 | GSB      |
| B         | REVISED PER DCN 24511 | 08/24/05 | GSB      |
|           |                       |          |          |



10. FOR BACKSHELL TERMINATION, REFERENCE GLENAIR HOLDING TOOL 607-004.

9. THIS PUSH/PULL PLUG REQUIRES 10  $\pm$ 4 POUNDS TO FULLY DISENGAGE CONNECTOR.

8 RED STRIPE INDICATOR FOR ALIGNMENT DURING MATING.

7. GLENAIR SERIES OF 807-191 PLUG CONNECTOR IS DESIGNED TO MATE WITH GLENAIR SERIES OF 807-192, OR 807-211 RECEPTACLE CONNECTOR.

6 INSERT ARRANGEMENT SHOWN IS FOR REFERENCE ONLY, SEE TABLE III.

5. CRIMP TOOL DATA (23 GA):
- a) CRIMP FRAME: M22520/2-01
  - b) POSITIONER FOR USE WITH CRIMP FRAME: GLENAIR PART NO. 809-005.
  - c) INSERTION TOOL: GLENAIR PART NO. 809-006 (METAL TWEEZERS TYPE TOOL).
  - d) EXTRACTION TOOL: GLENAIR PART NO. 809-007 (METAL TWEEZERS TYPE TOOL).

4. 23 GA CRIMP BARREL ACCOMMODATES 22, 24, 26 AND 28 GAGE WIRE.

3. THE CONTACTS ARE SIZE 23 CRIMP TYPE, AND ARE USED IN A REAR RELEASE RETENTION SYSTEM. (EXCEPT FOR 9-4 ARRANGEMENT)

2. MATERIAL / FINISH:  
SHELL - AL ALLOY OR CRES/SEE TABLE I.  
INSULATORS - HIGH GRADE RIGID DIELECTRIC/N.A.  
INTERFACIAL SEAL/GROMET SEAL - FLUOROSILICONE.  
CONTACT- COPPER ALLOY / GOLD PLATE PER ASTM B 488, TYPE 3,  
CLASS 1.25 (.00005 MIN THK), OVER A SUITABLE UNDERPLATE.

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

NOTES: UNLESS OTHERWISE SPECIFIED

L-3 COMM APPLICATION

NO CHANGES PERMITTED  
UNLESS APPROVED BY  
L-3 COMM

|                                                                                                                                                                                                                            |                                          |            |          |                               |                                                                                        |                 |  |               |  |                 |  |           |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------|----------|-------------------------------|----------------------------------------------------------------------------------------|-----------------|--|---------------|--|-----------------|--|-----------|--|
| UNLESS OTHERWISE SPECIFIED<br><br>DIMENSIONS ARE IN INCHES<br><br>TOLERANCES:<br><br><br>FRACTIONS    ± 1/16<br><br>DECIMALS    .XX    ±.030<br>.XXX   ±.015<br><br>ANGLES       ± 1°<br><br><br>DO NOT SCALE THIS DRAWING | DRAWN    R L                             |            | 05/13/04 |                               | <b>GLENAIR, INC.</b><br>1211 AIR WAY - GLENDALE - CALIFORNIA 91201                     |                 |  |               |  |                 |  |           |  |
|                                                                                                                                                                                                                            | CHECK                                    |            |          |                               |                                                                                        |                 |  |               |  |                 |  |           |  |
|                                                                                                                                                                                                                            | ENGR    JLT                              |            | 05/13/04 |                               | CONNECTOR PLUG, PUSH/PULL TYPE.<br>#23 CONTACTS, CRIMP REAR RELEASE<br>SHELL SIZE 5-15 |                 |  |               |  |                 |  |           |  |
|                                                                                                                                                                                                                            | <div>D. Brown</div> <div>APPROVED</div>  |            |          |                               |                                                                                        |                 |  |               |  |                 |  |           |  |
|                                                                                                                                                                                                                            | <div></div> <div>APPROVED</div>          |            |          |                               |                                                                                        |                 |  |               |  |                 |  |           |  |
|                                                                                                                                                                                                                            | RELEASE DATE<br>ORIGINAL<br>RELEASE DATE |            |          |                               |                                                                                        |                 |  |               |  |                 |  |           |  |
| B/F    04-3857                                                                                                                                                                                                             |                                          | P/C    807 |          | NON REPARABLE COMMERCIAL ITEM |                                                                                        | SCALE    N/A    |  | WEIGHT    N/A |  | SHEET    1 OF 3 |  |           |  |
|                                                                                                                                                                                                                            |                                          |            |          |                               |                                                                                        | CODE IDENT. NO. |  | SIZE          |  | 807-191         |  | REV.<br>B |  |
|                                                                                                                                                                                                                            |                                          |            |          |                               |                                                                                        | 06324           |  | C             |  |                 |  |           |  |

| TABLE II   |                  |      |      |          | TABLE III          |         |              |             |
|------------|------------------|------|------|----------|--------------------|---------|--------------|-------------|
| DIMENSIONS |                  |      |      |          | INSERT ARRANGEMENT |         |              |             |
| SHELL SIZE | A THREAD         | ø B  | ø C  | ø D, MAX | SHELL SIZE         | ARR NO. | CONTACT SIZE | CONTACT QTY |
| 5          | .2500-32 UNEF-2A | .220 | .255 | .440     | 5                  | 5-3     | 23           | 3           |
| 6          | .3125-32 UNEF-2A | .285 | .315 | .490     | 6                  | 6-4     | 23           | 4           |
| 7          | .4375-28 UNEF-2A | .350 | .380 | .570     |                    | 6-7     | 23           | 7           |
| 9          | .5625-24 UNEF-2A | .455 | .485 | .665     | 7                  | 7-10    | 23           | 10          |
| 12         | .6875-24 UNEF-2A | .645 | .680 | .860     | 9                  | 9-19    | 23           | 19          |
| 14         | .9375-20 UNEF-2A | .770 | .800 | .980     |                    | 9-4     | 16           | 4           |
| 15         | .9375-20 UNEF-2A | .830 | .860 | 1.040    | 12                 | 12-37   | 23           | 37          |
|            |                  |      |      |          | 14                 | 14-55   | 23           | 55          |
|            |                  |      |      |          | 15                 | 15-85   | 23           | 85          |

PART NUMBER DEVELOPMENT

EXAMPLE: 807-191 - 06 Z 9-19 S A A

CONNECTOR SERIES

SHELL STYLE  
06 = PLUG

CLASS  
(SEE TABLE I)

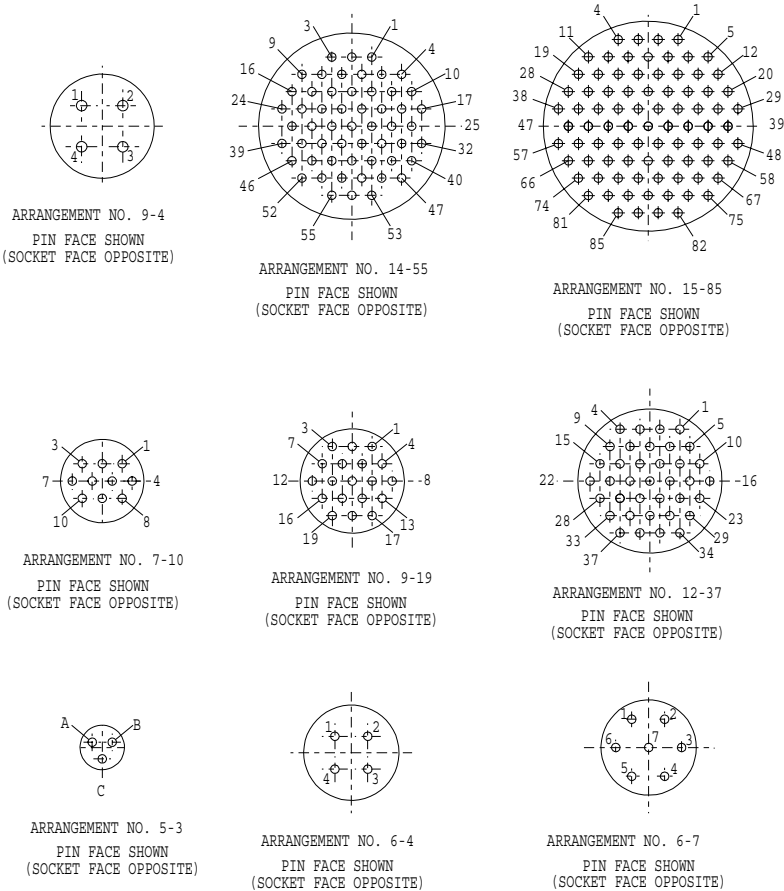
SHELL SIZE/INSERT ARRANGEMENT NO.  
(SEE TABLE III)

CONTACT STYLE  
S = SOCKET  
P = PIN

KEY POSITION  
A,B,C,D (SEE TABLE IV)

ADAPTER  
A = MOLDING ADAPTER  
B = MOLDING, BANDING ADAPTER  
(OMIT FOR NONE)

| REVISIONS |             |      |          |
|-----------|-------------|------|----------|
| SYM.      | DESCRIPTION | DATE | APPROVED |
|           | SEE SHEET 1 |      |          |



|                                            |         |                                     |     |                               |                                                                                        |        |          |        |  |
|--------------------------------------------|---------|-------------------------------------|-----|-------------------------------|----------------------------------------------------------------------------------------|--------|----------|--------|--|
| UNLESS OTHERWISE SPECIFIED                 |         | DRAWN                               | R L | 05/13/04                      | <b>GLENAIR, INC.</b><br>1211 AIR WAY - GLENDALE - CALIFORNIA 91201                     |        | CAD 1997 |        |  |
| DIMENSIONS ARE IN INCHES                   |         | CHECK                               |     |                               |                                                                                        |        |          |        |  |
| TOLERANCES:                                |         | ENGR                                | GSB | 05/13/04                      | CONNECTOR PLUG, PUSH/PULL TYPE.<br>#23 CONTACTS, CRIMP REAR RELEASE<br>SHELL SIZE 5-15 |        |          |        |  |
| FRACTIONS    ± 1/16                        |         | <div><i>D. Brown</i></div> APPROVED |     |                               |                                                                                        |        |          |        |  |
| DECIMALS    .XX    ± .010<br>.XXX   ± .005 |         |                                     |     |                               | CODE IDENT. NO.    SIZE    807-191    REV. B                                           |        |          |        |  |
| ANGLES       ± 1°                          |         | APPROVED                            |     |                               |                                                                                        |        |          |        |  |
| DO NOT SCALE THIS DRAWING                  |         | RELEASE DATE                        |     |                               | 06324                                                                                  |        | C        |        |  |
|                                            |         | ORIGINAL RELEASE DATE               |     |                               |                                                                                        |        |          |        |  |
| B/F                                        | 04-3857 | P/C                                 | 807 | NON REPARABLE COMMERCIAL ITEM |                                                                                        | SCALE  |          | N/A    |  |
|                                            |         |                                     |     |                               |                                                                                        | WEIGHT |          | N/A    |  |
|                                            |         |                                     |     |                               |                                                                                        | SHEET  |          | 2 OF 3 |  |