

# 97 series solder type

## how to order

Example of part number for solder type connectors is given below.



8/20/89 08:19 \* 89241 15:55 \* PRELSE \* 10-820160/179 0001

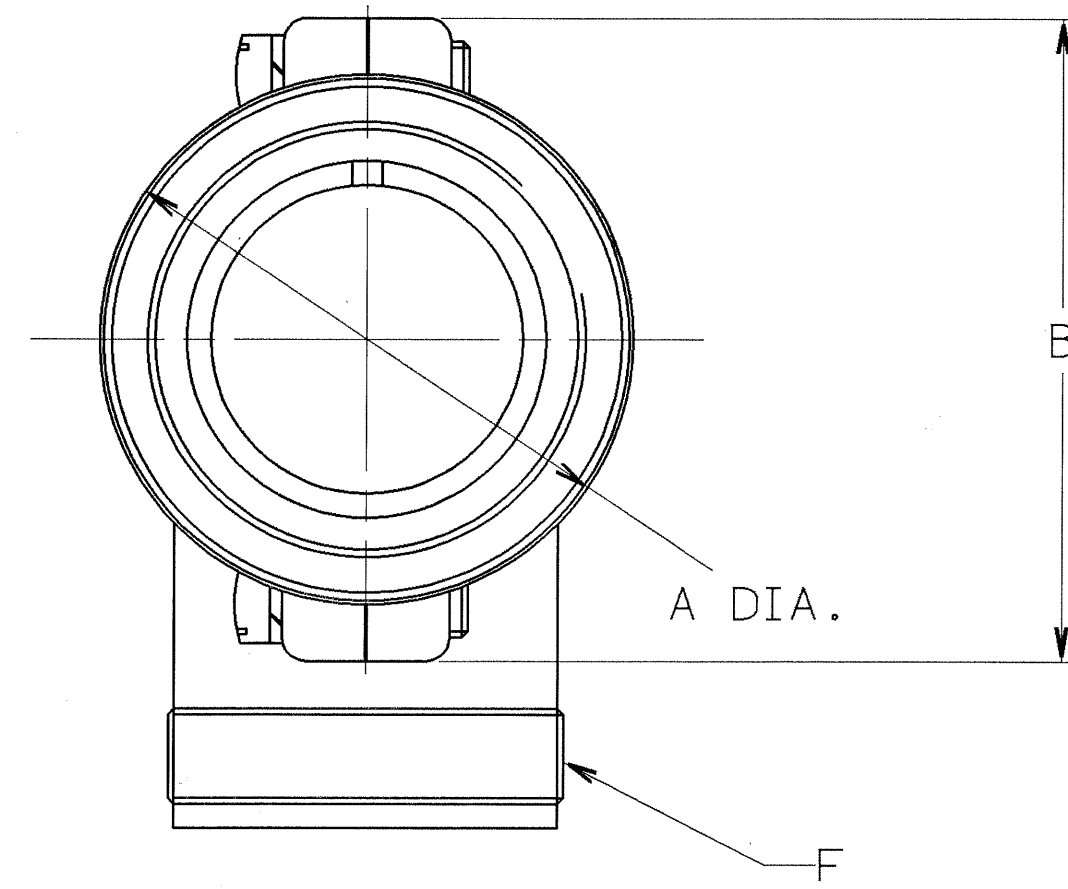
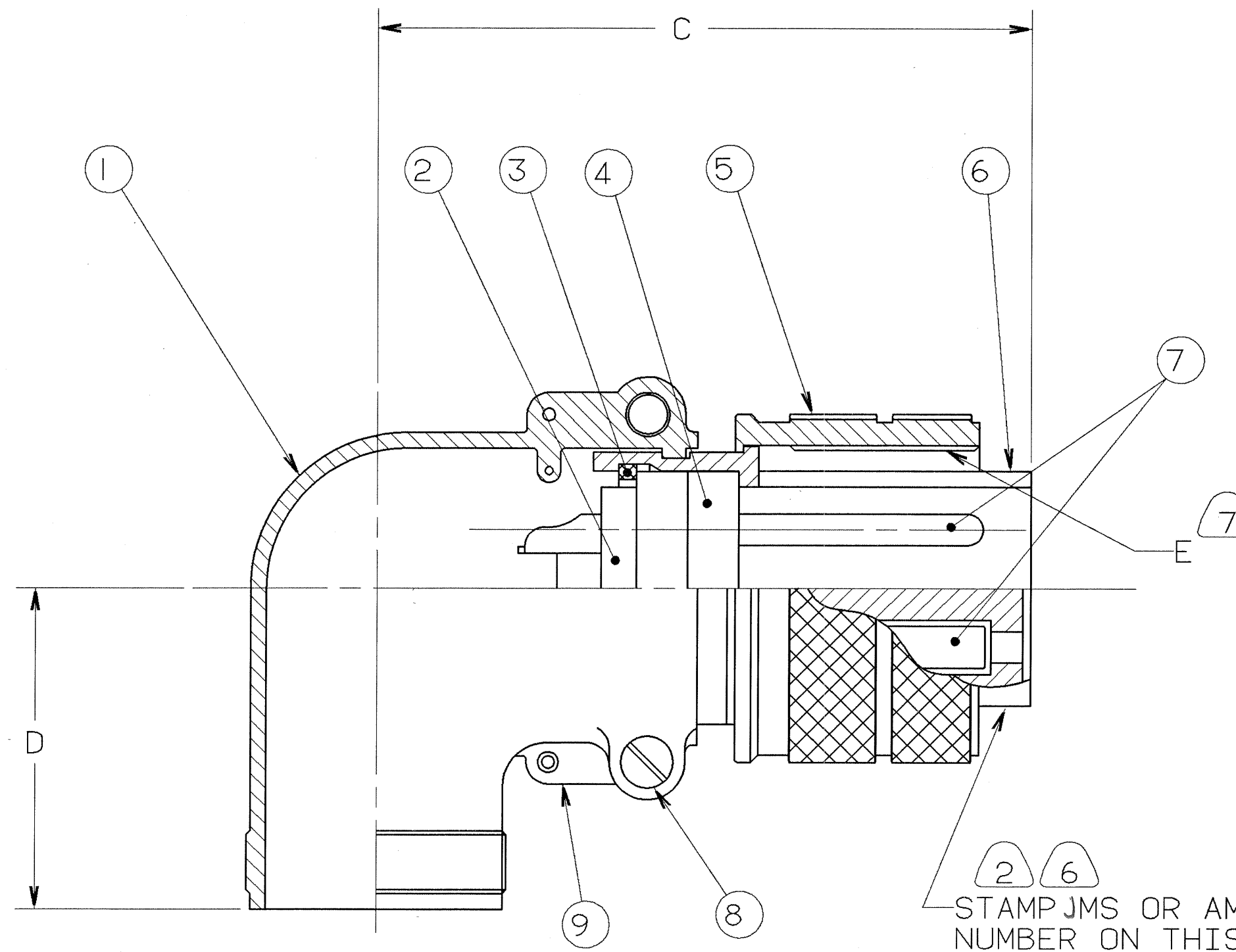
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| REVISIONS |     |                                  |                      |              |
|-----------|-----|----------------------------------|----------------------|--------------|
| ZONE      | LTR | DESCRIPTION                      | DATE                 | APPROVED     |
| —         | D   | (CLII) ADDED NOTE 8<br>ECN:22391 | 08/29/89<br>BURNSIDE | m.m.<br>J.B. |
|           | E   | (CLII) SEE ECN 91398             | 9/16/89              | J. Balcan    |



STAMP JMS OR AMPHENOL ASSEMBLY  
NUMBER ON THIS SURFACE.  
CHARACTER HEIGHT .062 MINIMUM.  
EXAMPLE: JMS 3108B-12S-3P OR 97-3108B-12S-3P

|   |          |            |                    |   |
|---|----------|------------|--------------------|---|
| 9 | SEE NOTE | SEE NOTE 1 | BACK SHELL, MALE   |   |
| 8 |          |            | SCREW, BACK SHELL  |   |
| 7 |          |            | CONTACTS           |   |
| 6 |          |            | SHELL              |   |
| 5 |          |            | RING, COUPLING     | 7 |
| 4 |          |            | INSERT, FRONT      |   |
| 3 |          |            | RING, RETAINING    |   |
| 2 |          |            | INSERT, REAR       |   |
| 1 |          |            | BACK SHELL, FEMALE |   |

UNLESS OTHERWISE SPECIFIED  
LINEAR DIMENSIONS ARE IN  
INCHES.  
TOLERANCES: .XXX±.010,  
.XX ±.03, .X ±.1,  
ANGLES ±2°.  
OTHER STANDARDS PER 9-3800  
AND DOD-D-1000.

|                                      |                         |          |                             |                      |              |
|--------------------------------------|-------------------------|----------|-----------------------------|----------------------|--------------|
| FIND NO.                             | QTY REQD.               | FSCM NO. | PART NUMBER                 | DESCRIPTION          | NOTE REF.    |
| PARTS LIST                           |                         |          |                             |                      |              |
| SPECIFICATIONS                       | SIGNATURES              |          | DATES                       | AMPHENOL CORPORATION |              |
| MATERIAL SPEC.<br>N/A                | PREPARED<br>A. PRESCOTT | 11/06/87 | BENDIX CONNECTOR OPERATIONS |                      |              |
|                                      | CHECKED<br>PHILPOTT     | 11/17/87 | SIDNEY, N.Y.                |                      |              |
|                                      | MATERIAL                |          | CONNECTOR, ELECTRICAL PLUG, |                      |              |
|                                      |                         |          | TYPE 97-3108B,              |                      |              |
| PROCESS SPEC.<br>9-2437-33<br>9-7568 | APPROVED<br>BERNHARDT   | 11/16/87 | OLIVE DRAB CADMIUM PLATE.   |                      |              |
|                                      | APPROVED<br>HAYNER      | 11/17/87 | SIZE                        | FSCM NO.             | REV.         |
|                                      | 1ST PART NO.            |          | C 77820                     | 10-820160/179        | E            |
|                                      | 10-820162-03S           |          | SCALE                       | NONE                 | WT.          |
|                                      |                         |          | REF                         | N/A                  | SHEET 1 OF 2 |

SEE SHEET 2.  
NOTES:

THE USE OF THIS DOCUMENT IS UNLIMITED.  
HOWEVER, DOCUMENTS REFERENCED HEREON  
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N/A  
N/A  
NEXT ASSEMBLY

NOTE REF. =

8/30/89 08:17 • 89241 15.43 • PRELISE • 10-820160/179 • 0002

4

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2

1

BENDIX  
ASSEMBLY  
NUMBER

10-820160-()  
1-()  
2-()  
3-()  
4-()  
5-()  
6-()  
7-()  
8-()  
9-()  
10-820170-()  
1-()  
2-()  
3-()  
4-()  
5-()  
6-()  
7-()  
8-()  
9-()

AMPHENOL  
ASSEMBLY  
NUMBER

97-3108B- 8S -()  
-10S -()  
-10SL-()  
-12S -()  
-12SL-()  
-12 -()  
-14S -()  
-14 -()  
-16S -()  
-16 -()  
-18 -()  
-20 -()  
-22 -()  
-24 -()  
-28 -()  
-32 -()  
-36 -()  
-40 -()  
-44 -()  
-48 -()

MS  
ASSEMBLY  
NUMBER

MS3108B - 8S -()  
-10S -()  
-10SL-()  
-12S -()  
-12SL-()  
-12 -()  
-14S -()  
-14 -()  
-16S -()  
-16 -()  
-18 -()  
-20 -()  
-22 -()  
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-28 -()  
-32 -()  
-36 -()  
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-44 -()  
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A  
DIA.

NOT AVAILABLE  
NOT AVAILABLE  
.875  
1.000  
NOT AVAILABLE  
1.000  
1.125 1.281  
NOT AVAILABLE  
1.250 1.500  
1.250 1.500  
1.344 1.641  
1.469 1.812  
1.594 1.937  
1.719 2.063  
1.969 2.312  
2.219 2.594  
2.469 2.848  
2.719 3.156  
NOT AVAILABLE  
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1.500 1.000 .6250-24 UNEF-2B .6250-24 UNEF-2A  
1.562 1.000 .7500-20 UNEF-2B .6250-24 UNEF-2A  
1.875 1.000 .7500-20 UNEF-2B .6250-24 UNEF-2A  
1.719 1.063 .8750-20 UNEF-2B .7500-20 UNEF-2A  
1.750 1.125 1.0000-20 UNEF-2B .8750-20 UNEF-2A  
2.125 1.125 1.0000-20 UNEF-2B .8750-20 UNEF-2A  
2.156 1.187 1.1250-18 UNEF-2B 1.0000-20 UNEF-2A  
2.375 1.312 1.2500-18 UNEF-2B 1.1875-18 UNEF-2A  
2.406 1.312 1.3750-18 UNEF-2B 1.1875-18 UNEF-2A  
2.625 1.437 1.5000-18 UNEF-2B 1.4375-18 UNEF-2A  
2.625 1.437 1.7500-18 UNEF-2B 1.4375-18 UNEF-2A  
2.812 1.750 2.0000-18 UNEF-2B 1.7500-18 UNEF-2A  
2.844 1.937 2.2500-16 UNEF-2B 2.0000-18 UNEF-2A  
2.969 2.062 2.2500-16 UNEF-2B 2.2500-16 UN -2A

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TO COMPLETE, ADD APPLICABLE INSERT  
ARRANGEMENT SUFFIX PER 9-2437-33.

6

8. IDENTIFY PACKAGE WITH APPLICABLE  
MS OR 97- PART NUMBER PER NOTE 6.

7. APPLY LUBRICANT 9-7568 TO THREADS OF COUPLING RING.

6. FOR BENDIX INSERT ARRANGEMENT SUFFIX -1 THROUGH -49, STAMP  
MS ASSEMBLY NUMBER. FOR BENDIX INSERT ARRANGEMENT SUFFIX  
-50 THROUGH -99, AND -AA THROUGH -BC, STAMP AMPHENOL  
ASSEMBLY NUMBER.

5. FOR CONTACT ARRANGEMENT, SEE MIL-STD-1651 AND L-22208-()  
THROUGH L-22248-().

4. PACKAGE PER PRODUCTION PROCESS SHEET.

3. UNITS MEET THE APPLICABLE REQUIREMENTS OF MIL-C-5015.

2. SEE WORK ORDER FOR PERMISSIBLE ADDITIONAL OR ALTERNATE  
STAMPING.

1. SEE SEPARATE PARTS LIST FOR COMPONENT PART NUMBERS AND  
QUANTITIES.

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COMPUTER GENERATED DRAWING

TAB.

SIZE FSCM NO. 10-820160/179 REV. E

SCALE WT. REF SHEET 2