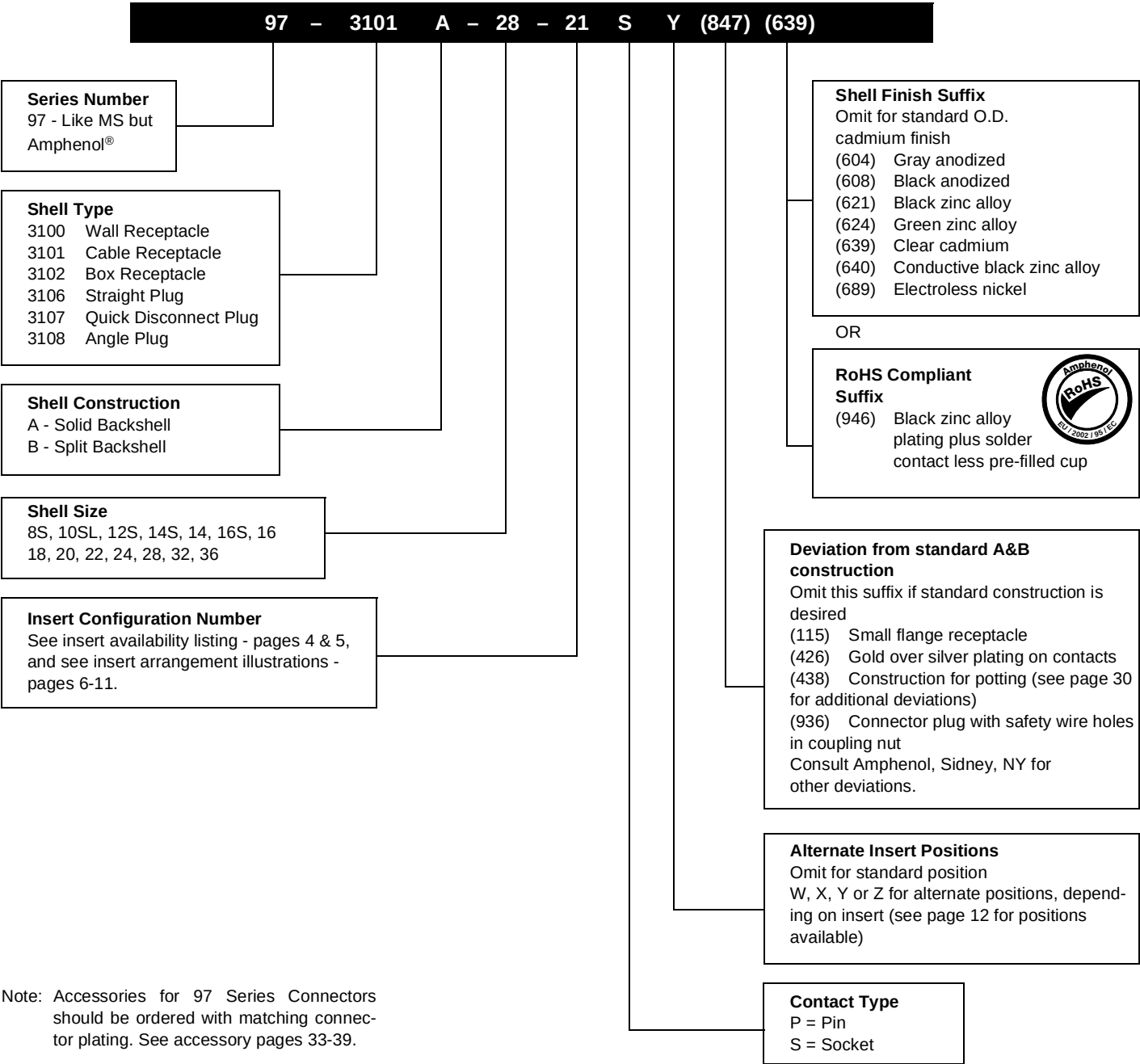


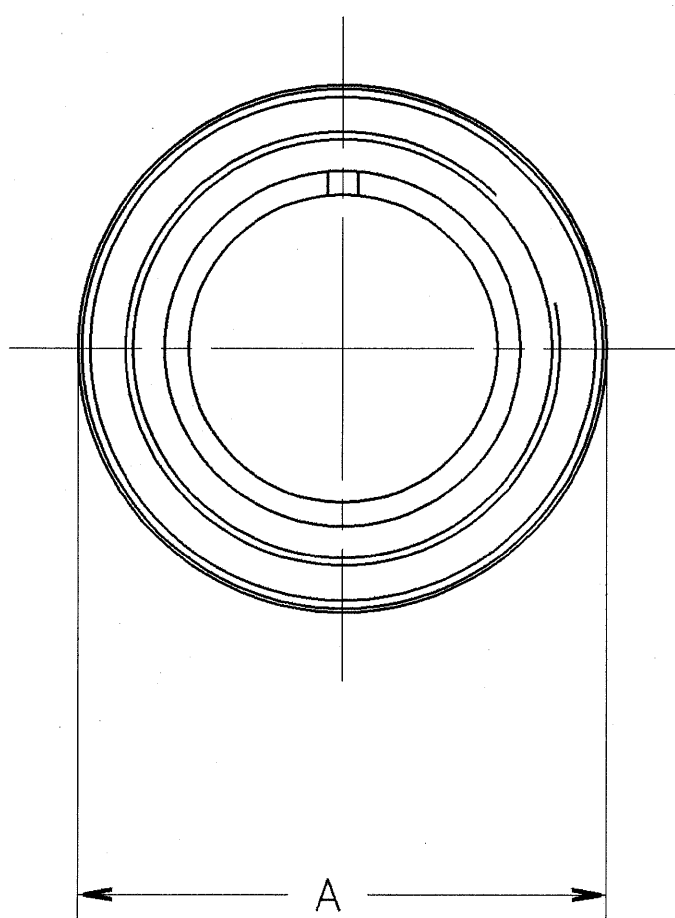
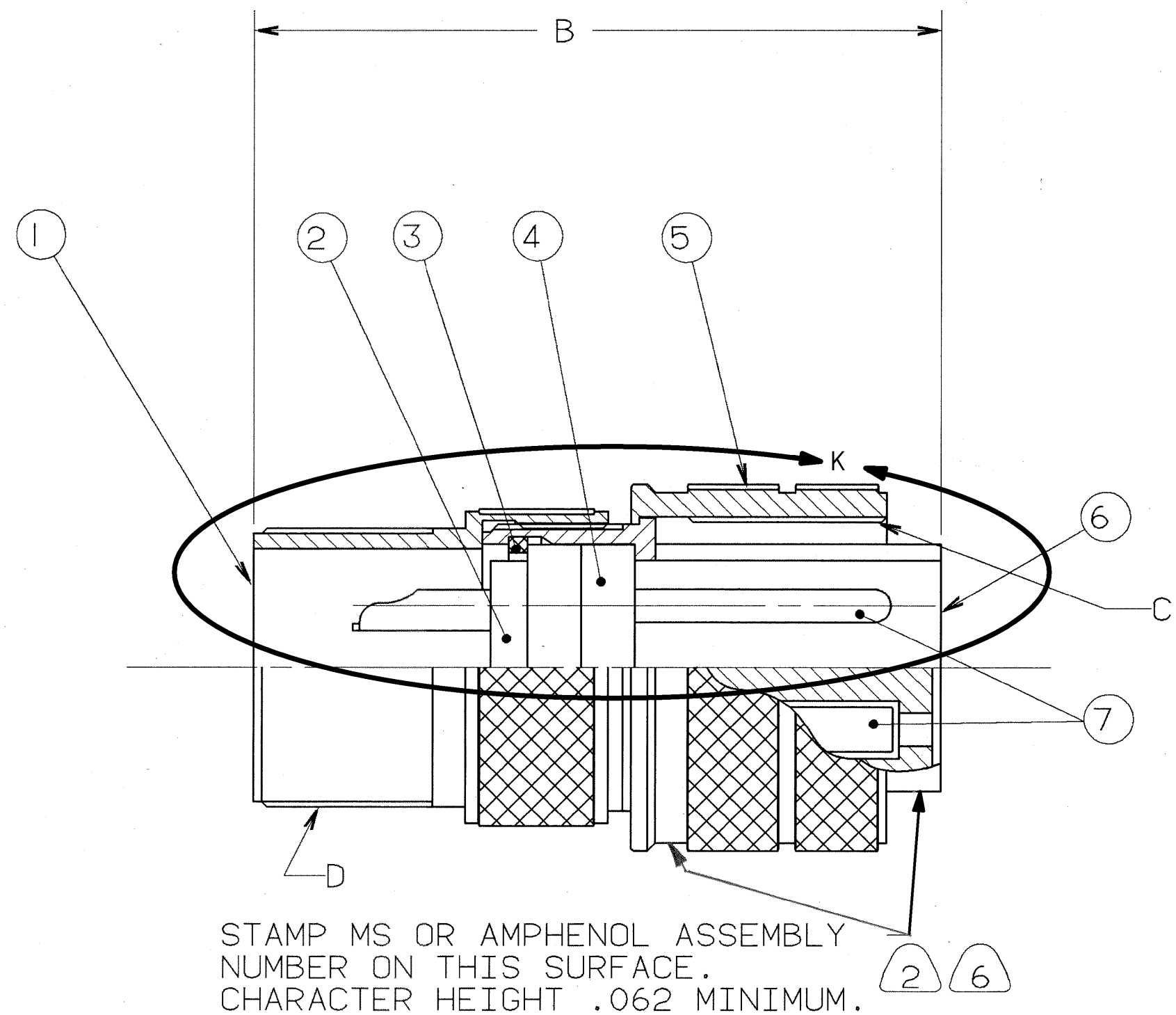
# 97 series solder type

## how to order

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



| REVISIONS |     |                                                                                |                      |              |
|-----------|-----|--------------------------------------------------------------------------------|----------------------|--------------|
| ZONE      | LTR | DESCRIPTION                                                                    | DATE                 | APPROVED     |
| —         | C   | (CLII) ADDED NOTE 7<br>ECN:22391                                               | 08/29/89<br>BURNSIDE | J.B.<br>m.n. |
|           | D   | (CL II) RELOC STAMPING NOTE<br>ECN:26372                                       | 7/17/91<br>PRESCOTT  | DM           |
|           | E   | (CLII) CHANGE BLOCK CHANGE ONLY WAS<br>SHELL 10-617702-XX3 (NO SLOT) ECN:90058 | 11-17-04<br>DEWATTE  | J.C.         |
|           | F   | (CL II) SEE CHANGE NOTICE<br>ECN: A5986                                        | 4-20-09              | H.BROOKER    |



STAMP MS OR AMPHENOL ASSEMBLY  
NUMBER ON THIS SURFACE.  
CHARACTER HEIGHT .062 MINIMUM.

|   |          |  |               |                                 |  |
|---|----------|--|---------------|---------------------------------|--|
| 9 | 1        |  | 10-825966-062 | RING RETAINING, CPL (12SL ONLY) |  |
| 8 | 1        |  | 10-824853-014 | RING RETAINING, CPL (10SL ONLY) |  |
| 7 | SEE NOTE |  | SEE NOTE 1    | CONTACTS                        |  |
| 6 |          |  |               | SHELL                           |  |
| 5 |          |  |               | RING, COUPLING                  |  |
| 4 |          |  |               | INSERT, FRONT                   |  |
| 3 |          |  |               | RING RETAINER                   |  |
| 2 |          |  |               | INSERT, REAR                    |  |
| 1 |          |  |               | BACK SHELL                      |  |

|                |           |                         |             |                                                                            |             |               |           |
|----------------|-----------|-------------------------|-------------|----------------------------------------------------------------------------|-------------|---------------|-----------|
| FIND NO.       | QTY REQD. | FSCM NO.                | PART NUMBER |                                                                            | DESCRIPTION |               | NOTE REF. |
| PARTS LIST     |           |                         |             |                                                                            |             |               |           |
| SPECIFICATIONS |           | SIGNATURES              | DATES       | AMPHENOL CORPORATION<br>BENDIX CONNECTOR OPERATIONS<br>SIDNEY, N.Y.        |             |               |           |
| MATERIAL SPEC. |           | PREPARED<br>A. PRESCOTT | 11/6/87     | CONNECTOR, ELECTRICAL PLUG,<br>TYPE 97-3106A,<br>OLIVE DRAB CADMIUM PLATED |             |               |           |
| N/A            |           | CHECKED<br>PHILPOTT     | 11/09/87    |                                                                            |             |               |           |
|                |           | MATERIAL                |             |                                                                            |             |               |           |
| PROCESS SPEC.  |           | APPROVED<br>BERNHARDT   | 11/10/87    | SIZE                                                                       | FSCM NO.    | 10-820060/079 | REV.<br>F |
| 9-2437-33      |           | APPROVED<br>HAYNER      | 11/10/87    | C                                                                          | 77820       |               |           |
|                |           | 1ST PART NO.            |             | SCALE                                                                      | WT.         |               |           |
|                |           | SF-820071-06P           |             | NONE                                                                       |             | N/A           | 1 OF 2    |

SEE SHEET 2.

NOTES:

THE USE OF THIS DOCUMENT IS UNLIMITED.  
HOWEVER, DOCUMENTS REFERENCED HEREON  
MAY CONTAIN LIMITED RIGHTS DATA.

|  |     |
|--|-----|
|  | N/A |
|--|-----|

N/A

NEXT ASSEMBLY

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.

NOTE REF. =

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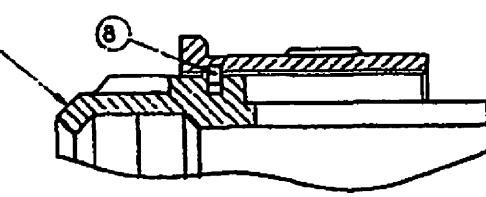
1

| BENDIX<br>ASSEMBLY<br>NUMBER | AMPHENOL<br>ASSEMBLY<br>NUMBER | MS<br>ASSEMBLY<br>NUMBER | A<br>DIA.     | B     | C<br>THREAD       | D<br>THREAD       |
|------------------------------|--------------------------------|--------------------------|---------------|-------|-------------------|-------------------|
| 10-820060-()                 | 97-3106A- 8S -()               | MS 3106A- 8S -()         | .750          | 1.250 | .5000-28 UNEF-2B  | .5000-28 UNEF-2A  |
| 10-820061-()                 | -10S -()                       | -10S -()                 | .875          | 1.312 | .6250-24 UNEF-2B  | .5000-28 UNEF-2A  |
| 10-820062-()                 | -10SL-()                       | -10SL-()                 | .875          | 1.375 | .6250-24 UNEF-2B  | .6250-24 UNEF-2A  |
| 10-820063-()                 | -12S -()                       | -12S -()                 | 1.000         | 1.438 | .7500-20 UNEF-2B  | .6250-24 UNEF-2A  |
| 10-820064-()                 | -12SL-()                       | -12SL-()                 | 1.000         | 1.484 | .7500-20 UNEF-2B  | .7500-20 UNEF-2A  |
| 10-820065-()                 | -12 -()                        | -12 -()                  | 1.000         | 1.875 | .7500-20 UNEF-2B  | .6250-24 UNEF-2A  |
| 10-820066-()                 | -14S -()                       | -14S -()                 | 1.125         | 1.438 | .8750-20 UNEF-2B  | .7500-20 UNEF-2A  |
| 10-820067-()                 | -14 -()                        | -14 -()                  | 1.125         | 1.875 | .8750-20 UNEF-2B  | .7500-20 UNEF-2A  |
| 10-820068-()                 | -16S -()                       | -16S -()                 | 1.250         | 1.453 | 1.0000-20 UNEF-2B | .8750-20 UNEF-2A  |
| 10-820069-()                 | -16 -()                        | -16 -()                  | 1.250         | 1.891 | 1.0000-20 UNEF-2B | .8750-20 UNEF-2A  |
| 10-820070-()                 | -18 -()                        | -18 -()                  | 1.344         | 2.000 | 1.1250-18 UNEF-2B | 1.0000-20 UNEF-2A |
| 10-820071-()                 | -20 -()                        | -20 -()                  | 1.469         | 2.125 | 1.2500-18 UNEF-2B | 1.1875-18 UNEF-2A |
| 10-820072-()                 | -22 -()                        | -22 -()                  | 1.594         | 2.125 | 1.3750-18 UNEF-2B | 1.1875-18 UNEF-2A |
| 10-820073-()                 | -24 -()                        | -24 -()                  | 1.719         | 2.250 | 1.5000-18 UNEF-2B | 1.4375-18 UNEF-2A |
| 10-820074-()                 | -28 -()                        | -28 -()                  | 1.969         | 2.250 | 1.7500-18 UNEF-2B | 1.4375-18 UNEF-2A |
| 10-820075-()                 | -32 -()                        | -32 -()                  | 2.219         | 2.375 | 2.0000-18 UNEF-2B | 1.7500-18 UNEF-2A |
| 10-820076-()                 | -36 -()                        | -36 -()                  | 2.469         | 2.375 | 2.2500-16 UN-2B   | 2.0000-18 UNEF-2A |
| 10-820077-()                 | -40 -()                        | -40 -()                  | 2.719         | 2.375 | 2.5000-16 UN-2B   | 2.2500-16 UN-2A   |
| 10-820078-()                 | -44 -()                        | -44 -()                  | NOT AVAILABLE |       |                   |                   |
| 10-820079-()                 | -48 -()                        | -48 -()                  | NOT AVAILABLE |       |                   |                   |

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

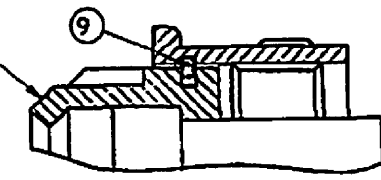
6

FORM OVER



VIEW K  
BACK SHELL REMOVED  
SIZE 10SL ONLY

FORM OVER



VIEW K  
BACK SHELL REMOVED  
SIZE 12SL ONLY

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

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.

NOTES:

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SIZE

FSCM NO.

10-820060/079

REV.

F

SCALE

WT.

REF

SHEET

2

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TAB.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Amphenol:

[97-3106A-20-22P](#) [97-3106A-10SL-3S\(211\)](#) [97-3106A-10SL-3S\(212\)](#) [97-3106A-10SL-3S\(288\)](#) [97-3106A-10SL-3S\(426\)](#) [97-3106A-10SL-3S\(431\)](#) [97-3106A-10SL-3S\(441\)](#) [97-3106A-10SL-4S\(211\)](#) [97-3106A-10SL-4S\(288\)](#) [97-3106A-10SL-4S\(426\)](#) [97-3106A-10SL-4S\(431\)](#) [97-3106A-12-5P\(211\)](#) [97-3106A-12-5P\(212\)](#) [97-3106A-12-5P\(288\)](#) [97-3106A-12-5P\(431\)](#) [97-3106A-12-5P\(441\)](#) [97-3106A-12-5P\(621\)](#) [97-3106A-12-5P\(639\)](#) [97-3106A-12-5P\(689\)](#) [97-3106A-12-5P\(936\)](#) [97-3106A-12-5S\(211\)](#) [97-3106A-12-5S\(212\)](#) [97-3106A-12-5S\(288\)](#) [97-3106A-12-5S\(417\)](#) [97-3106A-12-5S\(431\)](#) [97-3106A-12-5S\(441\)](#) [97-3106A-12-5S\(621\)](#) [97-3106A-12-5S\(639\)](#) [97-3106A-12-5S\(689\)](#) [97-3106A-12-5S\(936\)](#) [97-3106A-12S-3P\(211\)](#) [97-3106A-12S-3P\(212\)](#) [97-3106A-12S-3P\(288\)](#) [97-3106A-12S-3P\(431\)](#) [97-3106A-12S-3P\(441\)](#) [97-3106A-12S-3S\(211\)](#) [97-3106A-12S-3S\(212\)](#) [97-3106A-12S-3S\(288\)](#) [97-3106A-12S-3S\(431\)](#) [97-3106A-12S-3S\(441\)](#) [97-3106A-12S-3S\(689\)](#) [97-3106A-12S-6P\(211\)](#) [97-3106A-12S-6P\(212\)](#) [97-3106A-12S-6P\(288\)](#) [97-3106A-12S-6P\(431\)](#) [97-3106A-12S-6P\(441\)](#) [97-3106A-12S-6P\(689\)](#) [97-3106A-12S-6P\(936\)](#) [97-3106A-14S-1P\(211\)](#) [97-3106A-14S-1P\(212\)](#) [97-3106A-14S-1P\(288\)](#) [97-3106A-14S-1P\(431\)](#) [97-3106A-14S-1P\(441\)](#) [97-3106A-14S-1P\(936\)](#) [97-3106A-14S-1S\(211\)](#) [97-3106A-14S-1S\(212\)](#) [97-3106A-14S-1S\(288\)](#) [97-3106A-14S-1S\(431\)](#) [97-3106A-14S-1S\(441\)](#) [97-3106A-14S-1S\(936\)](#) [97-3106A-14S-2P\(211\)](#) [97-3106A-14S-2P\(212\)](#) [97-3106A-14S-2P\(288\)](#) [97-3106A-14S-2P\(426\)](#) [97-3106A-14S-2P\(431\)](#) [97-3106A-14S-2P\(441\)](#) [97-3106A-14S-2P\(689\)](#) [97-3106A-14S-2P\(936\)](#) [97-3106A-14S-2S\(211\)](#) [97-3106A-14S-2S\(212\)](#) [97-3106A-14S-2S\(288\)](#) [97-3106A-14S-2S\(431\)](#) [97-3106A-14S-2S\(441\)](#) [97-3106A-14S-2S\(640\)](#) [97-3106A-14S-2S\(936\)](#) [97-3106A-14S-4P\(211\)](#) [97-3106A-14S-4P\(212\)](#) [97-3106A-14S-4P\(288\)](#) [97-3106A-14S-4P\(417\)](#) [97-3106A-14S-4P\(431\)](#) [97-3106A-14S-4P\(441\)](#) [97-3106A-14S-4P\(936\)](#) [97-3106A-14S-4S\(211\)](#) [97-3106A-14S-4S\(212\)](#) [97-3106A-14S-4S\(288\)](#) [97-3106A-14S-4S\(417\)](#) [97-3106A-14S-4S\(431\)](#) [97-3106A-14S-4S\(441\)](#) [97-3106A-14S-4S\(936\)](#) [97-3106A-14S-5P\(211\)](#) [97-3106A-14S-5P\(212\)](#) [97-3106A-14S-5P\(288\)](#) [97-3106A-14S-5P\(431\)](#) [97-3106A-14S-5P\(441\)](#) [97-3106A-14S-5P\(936\)](#) [97-3106A-14S-5S\(211\)](#) [97-3106A-14S-5S\(212\)](#) [97-3106A-14S-5S\(214\)](#) [97-3106A-14S-5S\(288\)](#) [97-3106A-14S-5S\(431\)](#)