

Amphenol MS3106F14S-5S

## Standard Straight Plug Connector Kit



**\$95.00**

**In Stock**

**Qty Available: 1**

**New From Surplus Stock**

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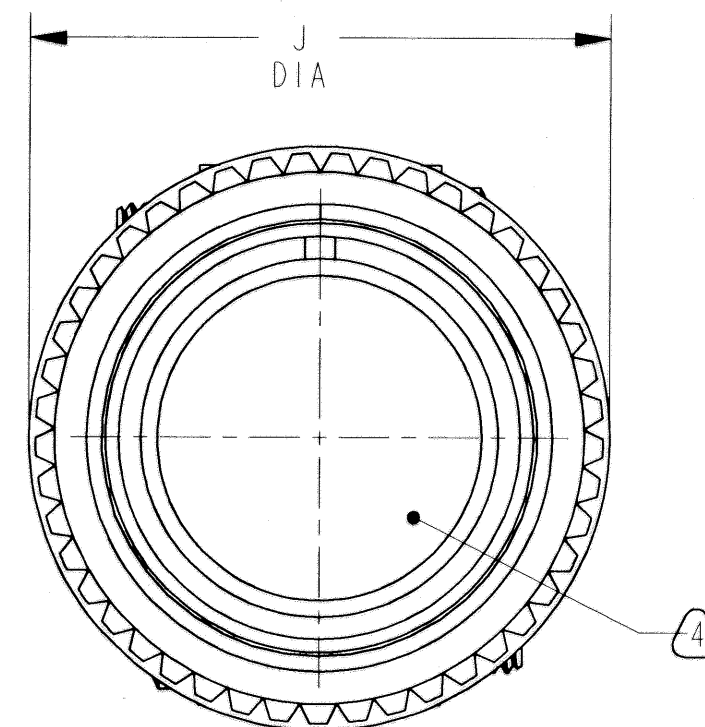
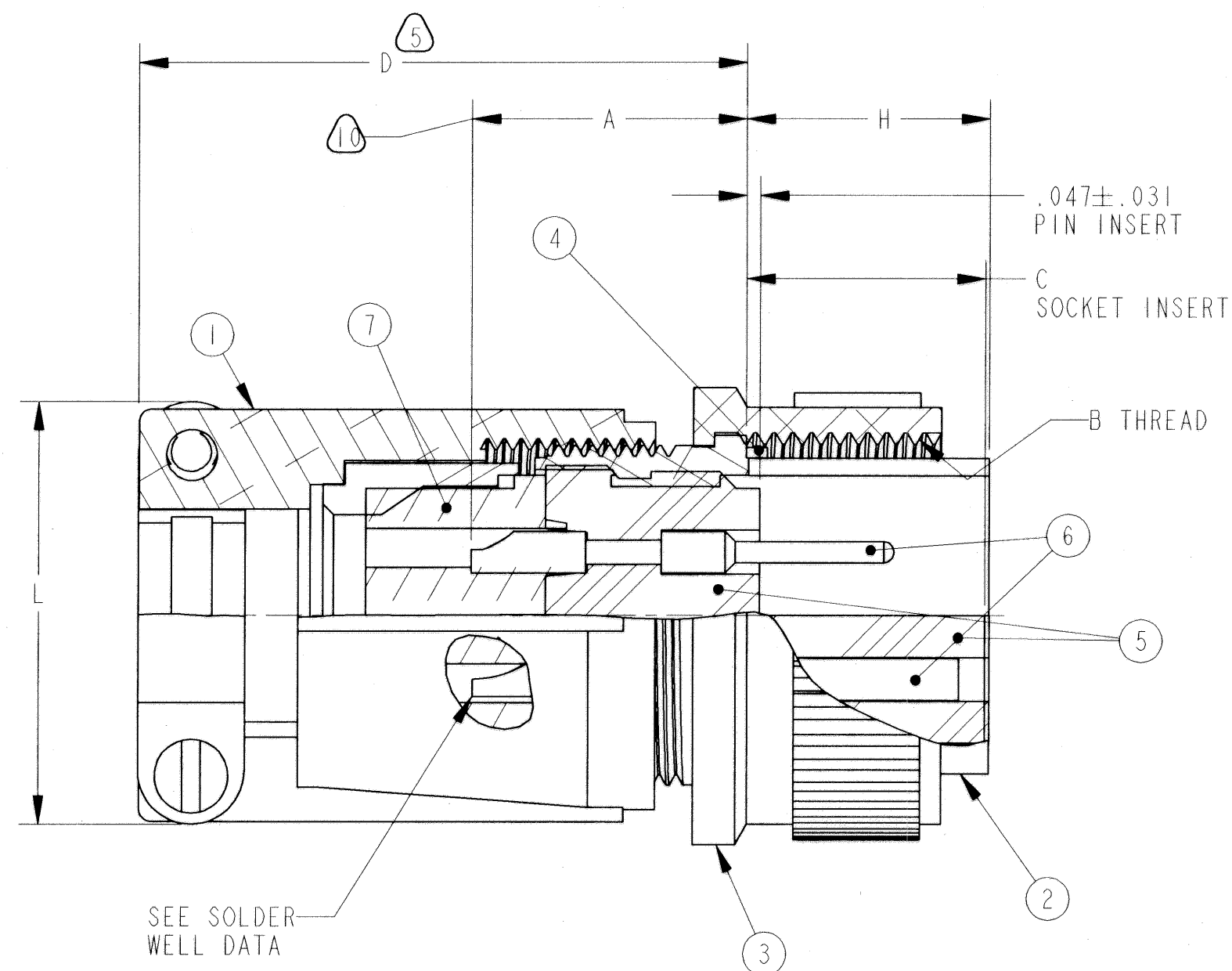
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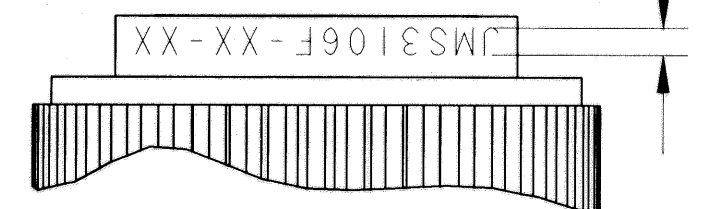
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- Full-service, independent repair center

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| 51536-58 |                                             | REVISIONS |          |
|----------|---------------------------------------------|-----------|----------|
| LTR      | DESCRIPTION                                 | DATE      | APPVD    |
| C        | (CL 11) REDRAWN SAME SIZE<br>SEE ECN: 84215 |           |          |
| D        | (CL 11) SEE ECN 91328                       | 8/11/02   | W. Baker |



.062  
STAMP MS NUMBER, "AMPHENOL"  
AND DATE CODE (9-3895)  
OPPOSITE KEYWAY PER 9-2811  
IN APPROXIMATE POSITION SHOWN  
EXAMPLE:  
JMS3106F-18-1P AMPHENOL 9829



| CONTACT DATA(WHERE APPLICABLE) |                |
|--------------------------------|----------------|
| THERMOCOUPLE                   |                |
| MATERIAL                       | IDENTIFICATION |
| CHROMEL                        | WHITE          |
| ALUMEL                         | GREEN          |
| IRON                           | BLACK          |
| CONSTANTAN                     | YELLOW         |

INSERT ARRANGEMENTS CONTAINING THERMOCOUPLE CONTACTS MUST HAVE SUCH CONTACTS ASSEMBLED INTO THE INSERT IN PROPER LOCATIONS AS SPECIFIED BY APPLICABLE DRAWINGS MIL-STD-1651

| STANDARD SOLDER WELL DATA |                          |                          |                          |                          |                          | THERMOCOUPLE             |                          |
|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| CONTACT SIZE              | 0                        | 4                        | 8                        | 12                       | 16                       | 12                       | 16                       |
| WELL DIA                  | .469 $\pm$ .005<br>-.003 | .332 $\pm$ .005<br>-.003 | .209 $\pm$ .004<br>-.002 | .116 $\pm$ .004<br>-.002 | .078 $\pm$ .004<br>-.002 | .125 $\pm$ .004<br>-.002 | .094 $\pm$ .004<br>-.002 |
| WELL DEPTH                | $\pm$ .031<br>-.000      | .625                     | .500                     | .375                     | .250                     | .250                     | .188                     |

|   |    |               |               |  |
|---|----|---------------|---------------|--|
| 7 | I  | SEE COLUMN    | GROMMET       |  |
| 6 | AR | SEE NOTE      | CONTACTS      |  |
| 5 | I  | SEE COLUMN    | INSERT        |  |
| 4 | I  | 10-035957-XXI | GASKET        |  |
| 3 | I  | SEE COLUMN    | COUPLING      |  |
| 2 | I  | SEE COLUMN    | SHELL         |  |
| 1 | I  | SEE COLUMN    | BACKSHELL KIT |  |

SEE SHEET 2.

NOTES:

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

STAMPING DATA

N/A  
N/A  
NEXT ASSEMBLY

| UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                                       |  | SPECIFICATIONS                                         |  | PARTS LIST                                   |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------|--|----------------------------------------------|---------------|
| LINEAR DIMENSIONS ARE<br>IN INCHES<br>TOLERANCES:<br>.XXXX = $\pm$ .0005<br>.XXX = $\pm$ .010<br>.XX = $\pm$ .03<br>.X = $\pm$ .1<br>ANGLES = $\pm$ 2°<br>OTHER STANDARDS PER 9-3800<br>AND DOD-D-1000<br>THIRD ANGLE PROJECTION |  | MATERIAL SPEC.                                         |  | APPROVALS                                    |               |
|                                                                                                                                                                                                                                  |  | N/A                                                    |  | PREPARED                                     | WHITNEY       |
|                                                                                                                                                                                                                                  |  | PROCESS SPEC.                                          |  | CHECKED                                      | MEDEOLA       |
|                                                                                                                                                                                                                                  |  | TEST                                                   |  | APPROVED                                     | US R.W. TYLER |
|                                                                                                                                                                                                                                  |  | 9-3106-5<br>ASSY<br>9-2437, 9-2811<br>9-3103-1, 9-3895 |  | DATE                                         |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | 11-4-69                                      |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | 11/18/69                                     |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | 11-6-69                                      |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | 11-19-69                                     |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | PRO/ENG INFORMATION                          |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | 10-474608-650.ASSEM                          |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | 10-474608-650                                |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | AMPHENOL CORPORATION                         |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | SIDNEY, N.Y. 13838                           |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | CONNECTOR,<br>ELECTRICAL PLUG,<br>TYPE 3106F |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | U                                            |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | SCALE: NONE                                  |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | REF: 10-329860/879                           |               |
|                                                                                                                                                                                                                                  |  |                                                        |  | SHEET 1 OF 2                                 |               |

FAMCODES DATA3:ANS MNS/CICS: TBD

| 4                  |                |                                                                                          |                                                                                           | 3            |                 |                  | 2          |                                     |                     |          | 1        |                 |
|--------------------|----------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------|-----------------|------------------|------------|-------------------------------------|---------------------|----------|----------|-----------------|
| ASSEMBLY<br>NUMBER | MS<br>NUMBER   |  INSERT |  GROMMET | SHELL        | COUPLING<br>NUT | BACKSHELL<br>KIT | A<br>±.045 | B<br>THREAD<br>CLASS 2B<br>(PLATED) | C<br>+.047<br>-.000 | D<br>MAX | H<br>MAX | J<br>DIA<br>MAX |
| 10-474608-( )      | 3106F- 8S -( ) | NOT AVAILABLE                                                                            |                                                                                           |              |                 |                  |            |                                     |                     |          |          |                 |
| 10-474610-( )      | 3106F-10S -( ) | NOT AVAILABLE                                                                            |                                                                                           |              |                 |                  |            |                                     |                     |          |          |                 |
| 10-474611-( )      | 3106F-10SL-( ) | 10-074811-( )                                                                            | 10-060711-( )                                                                             | 10-37266-011 | SHELL ASSY      | 10-584182-113    | .562       | .6250-24 UNEF                       | .531                | 2.129    | .531     | .946            |
| 10-474612-( )      | 3106F-12S -( ) | 10-074812-( )                                                                            | 10-060712-( )                                                                             | 10-37266-012 | 10-37265-12     | 10-584182-113    | .562       | .7500-20 UNEF                       | .531                | 2.129    | .531     | .995            |
| 10-474613-( )      | 3106F- 12 -( ) | 10-074813-( )                                                                            | 10-060713-( )                                                                             | 10-37266-013 | 10-37265-13     | 10-584182-113    | .812       | .7500-20 UNEF                       | .719                | 2.129    | .719     | .995            |
| 10-474614-( )      | 3106F-14S -( ) | 10-074814-( )                                                                            | 10-060714-( )                                                                             | 10-37266-014 | 10-37265-14     | 10-584185-143    | .562       | .8750-20 UNEF                       | .531                | 2.201    | .531     | 1.123           |
| 10-474615-( )      | 3106F- 14 -( ) | 10-074815-( )                                                                            | 10-060715-( )                                                                             | 10-37266-015 | 10-37265-15     | 10-584185-143    | .812       | .8750-20 UNEF                       | .719                | 2.524    | .719     | 1.123           |
| 10-474616-( )      | 3106F-16S -( ) | 10-074816-( )                                                                            | 10-060716-( )                                                                             | 10-37266-016 | 10-37265-16     | 10-584187-163    | .562       | 1.0000-20 UNEF                      | .531                | 2.201    | .531     | 1.250           |
| 10-474617-( )      | 3106F- 16 -( ) | 10-074817-( )                                                                            | 10-060717-( )                                                                             | 10-37266-017 | 10-37265-17     | 10-584188-173    | .812       | 1.0000-20 UNEF                      | .719                | 2.524    | .719     | 1.250           |
| 10-474618-( )      | 3106F- 18 -( ) | 10-074818-( )                                                                            | 10-060718-( )                                                                             | 10-37266-018 | 10-37265-18     | 10-584189-183    | .812       | 1.1250-18 UNEF                      | .719                | 2.596    | .719     | 1.333           |
| 10-474620-( )      | 3106F- 20 -( ) | 10-074820-( )                                                                            | 10-060720-( )                                                                             | 10-37266-020 | 10-37265-20     | 10-584190-203    | .812       | 1.2500-18 UNEF                      | .719                | 2.654    | .719     | 1.461           |
| 10-474622-( )      | 3106F- 22 -( ) | 10-074822-( )                                                                            | 10-060722-( )                                                                             | 10-37266-022 | 10-37265-22     | 10-584191-223    | .812       | 1.3750-18 UNEF                      | .719                | 2.654    | .719     | 1.588           |
| 10-474624-( )      | 3106F- 24 -( ) | 10-074824-( )                                                                            | 10-060724-( )                                                                             | 10-37266-024 | 10-37265-24     | 10-584192-243    | .812       | 1.5000-18 UNEF                      | .719                | 2.885    | .719     | 1.715           |
| 10-474628-( )      | 3106F- 28 -( ) | 10-074828-( )                                                                            | 10-060728-( )                                                                             | 10-37266-028 | 10-37265-28     | 10-584193-283    | .812       | 1.7500-18 UNS                       | .719                | 2.885    | .719     | 1.968           |
| 10-474632-( )      | 3106F- 32 -( ) | 10-074832-( )                                                                            | 10-060732-( )                                                                             | 10-37266-032 | 10-37265-32     | 10-584194-323    | .812       | 2.0000-18 UNS                       | .719                | 2.943    | .719     | 2.209           |
| 10-474636-( )      | 3106F- 36 -( ) | 10-074836-( )                                                                            | 10-060736-( )                                                                             | 10-37266-036 | 10-37265-36     | 10-584195-363    | .812       | 2.2500-16 UN                        | .719                | 2.943    | .719     | 2.463           |
| 10-474640-( )      | 3106F- 40 -( ) | 10-074840-( )                                                                            | 10-060740-( )                                                                             | 10-37266-040 | 10-37265-40     | 10-584196-403    | .812       | 2.5000-16 UN                        | .719                | 3.068    | .719     | 2.718           |
| 10-474641/50       |                | NOT AVAILABLE                                                                            |                                                                                           |              |                 |                  |            |                                     |                     |          |          |                 |

7

10. INCREASE "A" DIMENSION BY .312 FOR SIZE "0" CONTACT ONLY.

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

8. ALL LOCKWIRE HOLES ARE .045 DIAMETER MINIMUM.

7. TO COMPLETE ASSEMBLY NUMBER AND MS NUMBER, ADD APPLICABLE INSERT ARRANGEMENT SUFFIX TO BASE NUMBERS LISTED ABOVE. ( FOR ALTERNATE ARRANGEMENTS, REFER TO 9-2437).

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

5. DIMENSION INDICATES FINAL INSTALLATION. FOR STORAGE AND SHIPPING,PARTS MAY BE UNASSEMBLED.

4. FOR CONTACT SIZE, SPACING AND SERVICE RATING SEE MIL-STD-1651.

3. ALL UNUSED GROMMET HOLES MUST BE FILLED WITH APPROPRIATE SIZE SEALING PLUGS.

2. DELETED

1. INDICATED THERMOCOUPLE CONTACT DATA IS APPLICABLE ONLY TO 10-474617-13P/S, 10-474618-15PS (AND THEIR ALTERNATE ARRANGEMENTS) WHICH ARE THE ONLY THERMOCOUPLE ARRANGEMENTS AVAILABLE IN THIS SERIES.

NOTES:

16. SOME INSERTS AND GROMMETS ARE TOOLED UNDER A +50 PART NUMBER. CONSULT PARTS LIST FOR VERIFICATION.

15. THE UNITS ILLUSTRATED MEET THE MATERIAL & FINISH REQUIREMENTS OF MIL-C-5015.

14. SHIP CONNECTOR WITH SEALING PLUGS UNASSEMBLED.

13. PACKAGE PER PRODUCTION PROCESS SHEET.

12. FOR MATING RECEPTACLE ASSEMBLIES, SEE DRAWING 10-474008 THROUGH 10-474050 AND OTHERS.

11. INSERTS AND CONTACTS ARE REMOVABLE.

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| SIZE       | FSCM NO. | DOCUMENT NO.       | REV.         |
|------------|----------|--------------------|--------------|
| C          | 77820    | 10-474608/650      | D            |
| SCALE:NONE |          | REF: 10-329860/879 | SHEET 2 OF 2 |

D

C

2 OF 2

10-474608/650

DOC NO

A

TAB.

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