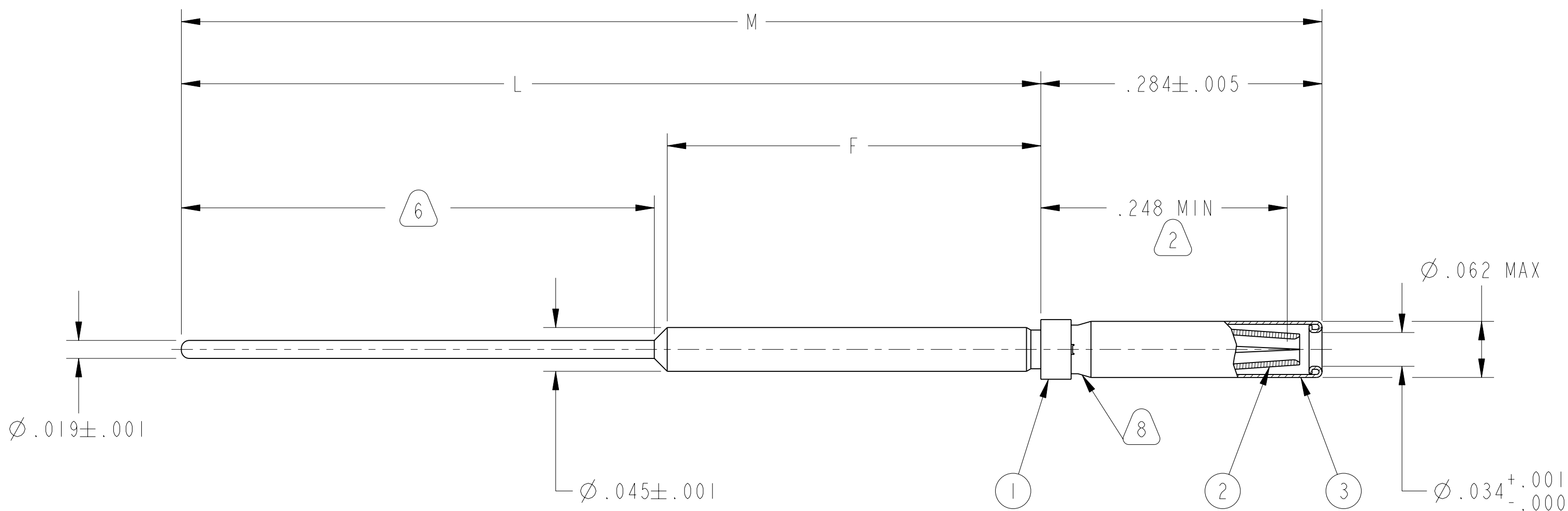


| REVISIONS |                                           |         |
|-----------|-------------------------------------------|---------|
| LTR       | DESCRIPTION                               | DATE    |
| <b>A</b>  | INITIAL RELEASE                           | 6/24/11 |
| <b>B</b>  | (CL 11) SEE CHG NOTICE<br>ECN: B5993-0000 | 7/3/13  |
| <b>C</b>  | (CL 11) SEE CHG NOTICE<br>ECN: B8395-0000 | 4/30/14 |



- 8 CRIMP SLEEVE AND SPRING TIGHTLY TO BODY PER 9-9383. A 15 POUND AXIAL LOAD SHALL NOT DISLodge SPRING. SLEEVE SHALL WITHSTAND A .4 IN-OZ TORQUE WITHOUT SPINNING.

7. SPECIFIED GENERAL TOLERANCES:

|                                                                                     |                                                                                             |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|  |  .005(S) |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|

- 6 INDICATED AREA MEETS THE SOLDERABILITY REQUIREMENTS OF MIL-STD-202, METHOD 208.

5. MEETS THE APPLICABLE REQUIREMENTS OF M39029/57.

4. ALL DIMENSIONS ARE AFTER PLATING.

3. PROCESS SPEC:  
TEST 9-5272-16, 9-9383

- 2 INDICATED DIMENSION TO BE FROM SHOULDER TO POINT OF ENGAGEMENT OF SPRING AND  $A.0300 \pm .0002$  DIAMETER SQUARE ENDED PIN.

1. A.0305+.0002-.0000 DIA HARDENED STEEL PIN SHALL ENGAGE SOCKET WITH A FORCE NOT GREATER THAN 9.5 OZ. A .0295+.0000-.0002 DIAMETER HARDENED STEEL PIN SHALL DISENGAGE SOCKET WITH A FORCE NOT LESS THAN 1.25 OZ. DEPTH OF ENGAGEMENT OF PINS SHALL BE .116 MIN. FROM FRONT OF CONTACT. PINS SHALL HAVE A SPHERICAL TIP AND A 3/ FINISH.

**NOTES:**

THE USE OF THIS DOCUMENT IS UNLIMITED.  
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|               |                                      |
|---------------|--------------------------------------|
|               | PRO/ENGINEER INFORMATION             |
| N/A           | Pro/e Model Used:<br>10-597880.ASSEM |
| NEXT ASSEMBLY | Drawing Name:<br>10-597880           |

|                                                                                                                                                         |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| UNLESS OTHERWISE SPECIFIED                                                                                                                              | SPECIFICATIONS |
| LINEAR DIMENSIONS ARE IN INCHES<br>TOLERANCES:<br>.XXXX = $\pm .0005$ ANGLES = $\pm 2^\circ$<br>.XXX = $\pm .010$<br>.XX = $\pm .03$<br>.X = $\pm .1$   | MATERIAL SPEC. |
|                                                                                                                                                         | N/A            |
| -----<br>DIM. & TOL. PER ASME Y14.5M;<br>DRP PER MIL-DTL-31000;<br>OTHER Amphenol Stds. PER 9-3800<br>LEGENDS:<br>=FLAG NOTE CALL OUT<br>REFERENCE ONLY | PROCESS SPEC.  |
|                                                                    | SEE NOTE 3     |

|     |     |               |              |      |
|-----|-----|---------------|--------------|------|
| 3   | I   | 10-407914-22B | SLEEVE       | 8    |
| 2   | I   | 10-597871-725 | SPRING       | 8    |
| 1   | I   | 10-597881-( ) | CONTACT BODY |      |
| POS | QTY | PART NUMBER   | DESCRIPTION  | NOTE |

|                        |           |                                                                               |              |
|------------------------|-----------|-------------------------------------------------------------------------------|--------------|
|                        |           | PARTS LIST                                                                    |              |
| APPROVALS              |           | DATE                                                                          |              |
| PREPARED BY            | RATCHFORD | <b>AMPHENOL CORPORATION</b><br>40-60 DELAWARE AVENUE<br>SIDNEY, N.Y. 13838    |              |
| ENGINEER IN CHARGE     | RATCHFORD |                                                                               |              |
| DESIGN MANAGER         | SHEPLER   |                                                                               |              |
| DESIGN ACTIVITY GROUP  | MIL-AERO  |                                                                               |              |
| THIRD ANGLE PROJECTION |           | CONTACT, SOCKET,<br>ELECTRICAL CONNECTOR,<br>SIZE 22M, TYPE JT-R, HYBRID, PCB |              |
|                        |           | SIZE                                                                          | CAGE CODE    |
|                        |           | C                                                                             | 77820        |
|                        |           | DOCUMENT NO.                                                                  | REV.         |
|                        |           | 10-597880-( )                                                                 | C            |
| SCALE: 10.0            |           | REF.<br>10-597873-45                                                          | SHEET 1 OF 2 |

|                                                                                                              |                 |  |  |                 |                 |  |  |                        |                         |   |  |            |                        |  |   |       |              |  |  |  |
|--------------------------------------------------------------------------------------------------------------|-----------------|--|--|-----------------|-----------------|--|--|------------------------|-------------------------|---|--|------------|------------------------|--|---|-------|--------------|--|--|--|
| 4                                                                                                            |                 |  |  |                 | 3               |  |  |                        |                         | 2 |  |            |                        |  | 1 |       |              |  |  |  |
| 10-597880-( )                                                                                                | DOCUMENT NO.    |  |  |                 | REV.            |  |  |                        | SHEET 2 OF 2            |   |  |            | 10-597880-( )          |  |   |       | DOCUMENT NO. |  |  |  |
|                                                                                                              | ASSEMBLY NUMBER |  |  |                 | BODY            |  |  |                        | F                       |   |  |            | L                      |  |   |       | (M)          |  |  |  |
|                                                                                                              | 10-597880-01( ) |  |  |                 | 10-597881-01( ) |  |  |                        | $.376^{+.000}_{-.015}$  |   |  |            | $.865^{+.000}_{-.015}$ |  |   |       | 1.149        |  |  |  |
|                                                                                                              | 10-597880-02( ) |  |  |                 | 10-597881-02( ) |  |  |                        | $.486^{+.000}_{-.015}$  |   |  |            | 1.048±.003             |  |   |       | 1.332        |  |  |  |
|                                                                                                              | 10-597880-03( ) |  |  |                 | 10-597881-03( ) |  |  |                        | $.280^{+.000}_{-.015}$  |   |  |            | .782±.005              |  |   |       | 1.066        |  |  |  |
|                                                                                                              | 10-597880-04( ) |  |  |                 | 10-597881-04( ) |  |  |                        | $.376^{+.000}_{-.015}$  |   |  |            | $.642^{+.000}_{-.015}$ |  |   |       | .926         |  |  |  |
|                                                                                                              | 10-597880-05( ) |  |  |                 | 10-597881-05( ) |  |  |                        | $.376^{+.000}_{-.015}$  |   |  |            | $.754^{+.000}_{-.015}$ |  |   |       | 1.038        |  |  |  |
|                                                                                                              | 10-597880-06( ) |  |  |                 | 10-597881-06( ) |  |  |                        | $.280^{+.000}_{-.015}$  |   |  |            | .513±.005              |  |   |       | .797         |  |  |  |
|                                                                                                              | 10-597880-07( ) |  |  |                 | 10-597881-07( ) |  |  |                        | $.355^{+.000}_{-.015}$  |   |  |            | .500±.005              |  |   |       | .784         |  |  |  |
|                                                                                                              | 10-597880-08( ) |  |  |                 | 10-597881-08( ) |  |  |                        | $.280^{+.000}_{-.015}$  |   |  |            | .585±.005              |  |   |       | .869         |  |  |  |
|                                                                                                              | 10-597880-09( ) |  |  |                 | 10-597881-09( ) |  |  |                        | $.240^{+.000}_{-.015}$  |   |  |            | .390±.003              |  |   |       | .674         |  |  |  |
|                                                                                                              | 10-597880-10( ) |  |  |                 | 10-597881-10( ) |  |  |                        | $.376^{+.000}_{-.015}$  |   |  |            | 1.138±.007             |  |   |       | 1.422        |  |  |  |
|                                                                                                              | 10-597880-11( ) |  |  |                 | 10-597881-11( ) |  |  |                        | $.375^{+.000}_{-.015}$  |   |  |            | .547±.003              |  |   |       | .831         |  |  |  |
|                                                                                                              | 10-597880-12( ) |  |  |                 | 10-597881-12( ) |  |  |                        | $.460^{+.000}_{-.015}$  |   |  |            | $.676^{+.000}_{-.015}$ |  |   |       | .960         |  |  |  |
|                                                                                                              | 10-597880-13( ) |  |  |                 | 10-597881-13( ) |  |  |                        | $.376^{+.000}_{-.015}$  |   |  |            | .747±.005              |  |   |       | 1.031        |  |  |  |
|                                                                                                              | 10-597880-14( ) |  |  |                 | 10-597881-14( ) |  |  |                        | $.280^{+.000}_{-.015}$  |   |  |            | .523±.005              |  |   |       | .807         |  |  |  |
|                                                                                                              | 10-597880-15( ) |  |  |                 | 10-597881-15( ) |  |  |                        | $1.207^{+.000}_{-.015}$ |   |  |            | 1.412±.003             |  |   |       | 1.696        |  |  |  |
|                                                                                                              | 10-597880-16( ) |  |  |                 | 10-597881-16( ) |  |  |                        | $.650^{+.000}_{-.015}$  |   |  |            | 1.048±.003             |  |   |       | 1.332        |  |  |  |
|                                                                                                              | 10-597880-17( ) |  |  |                 | 10-597881-17( ) |  |  |                        | $.376^{+.000}_{-.015}$  |   |  |            | .736±.005              |  |   |       | 1.020        |  |  |  |
|                                                                                                              | 10-597880-18( ) |  |  |                 | 10-597881-18( ) |  |  |                        | $.280^{+.000}_{-.015}$  |   |  |            | .629±.005              |  |   |       | .913         |  |  |  |
| 10-597880-19( )                                                                                              |                 |  |  | 10-597881-19( ) |                 |  |  | $.280^{+.000}_{-.015}$ |                         |   |  | .819±.005  |                        |  |   | 1.103 |              |  |  |  |
| 10-597880-20( )                                                                                              |                 |  |  | 10-597881-20( ) |                 |  |  | $.376^{+.000}_{-.015}$ |                         |   |  | 1.000±.005 |                        |  |   | 1.284 |              |  |  |  |
| <div>9</div>                                                                                                 |                 |  |  |                 |                 |  |  |                        |                         |   |  |            |                        |  |   |       |              |  |  |  |
| <div>9</div>                                                                                                 |                 |  |  |                 |                 |  |  |                        |                         |   |  |            |                        |  |   |       |              |  |  |  |
| NOTES: SEE SHEET 1                                                                                           |                 |  |  |                 |                 |  |  |                        |                         |   |  |            |                        |  |   |       |              |  |  |  |
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| DOCUMENT NO. 10-597880-( ) SHEET 2 OF 2 REV. C                                                               |                 |  |  |                 |                 |  |  |                        |                         |   |  |            |                        |  |   |       |              |  |  |  |
| SIZE C CAGE CODE 77820 DOCUMENT NO. 10-597880-( ) REV. C                                                     |                 |  |  |                 |                 |  |  |                        |                         |   |  |            |                        |  |   |       |              |  |  |  |
| SCALE: 6.0 REF: 10-597873-451 SHEET 2 OF 2                                                                   |                 |  |  |                 |                 |  |  |                        |                         |   |  |            |                        |  |   |       |              |  |  |  |