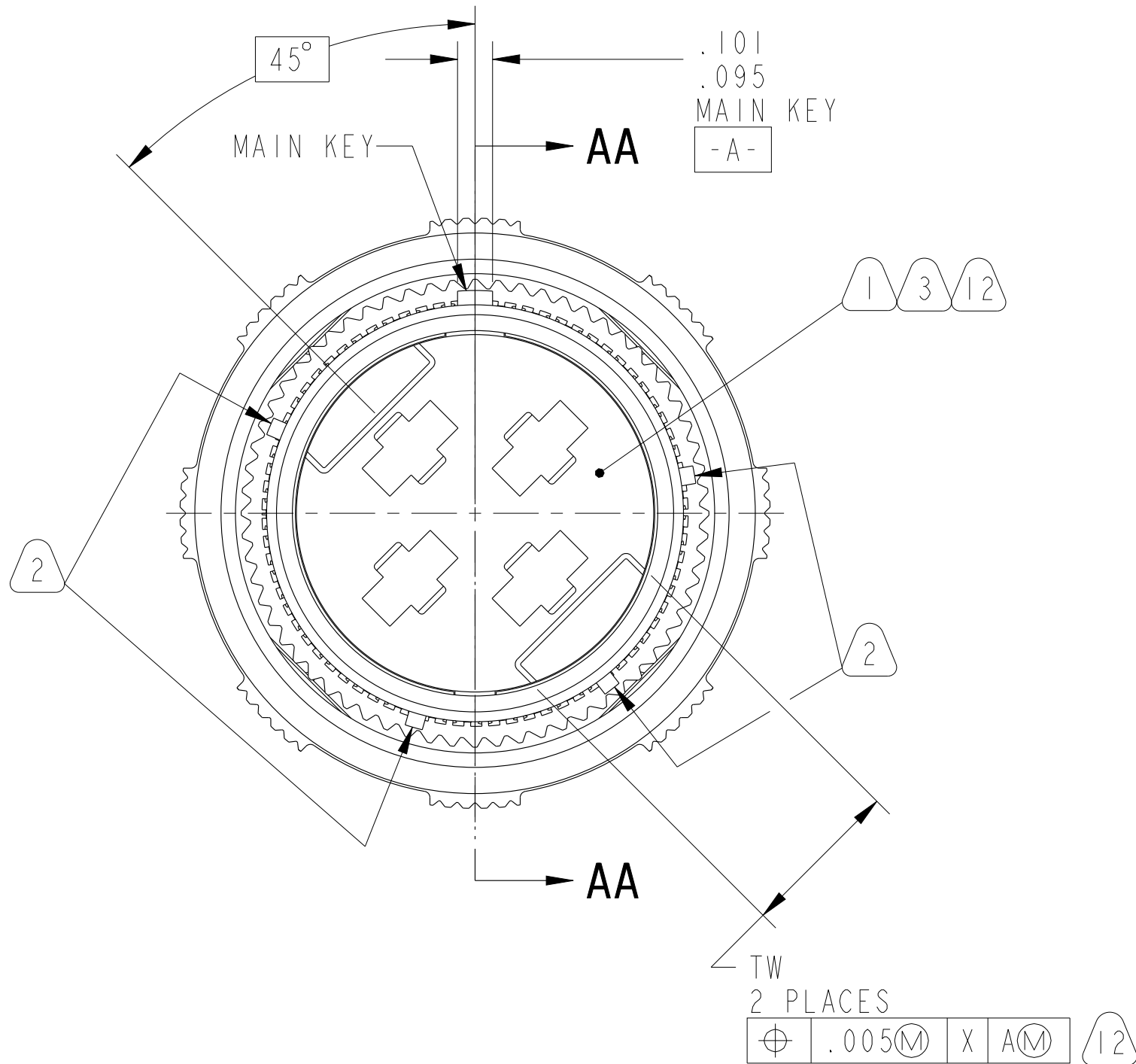
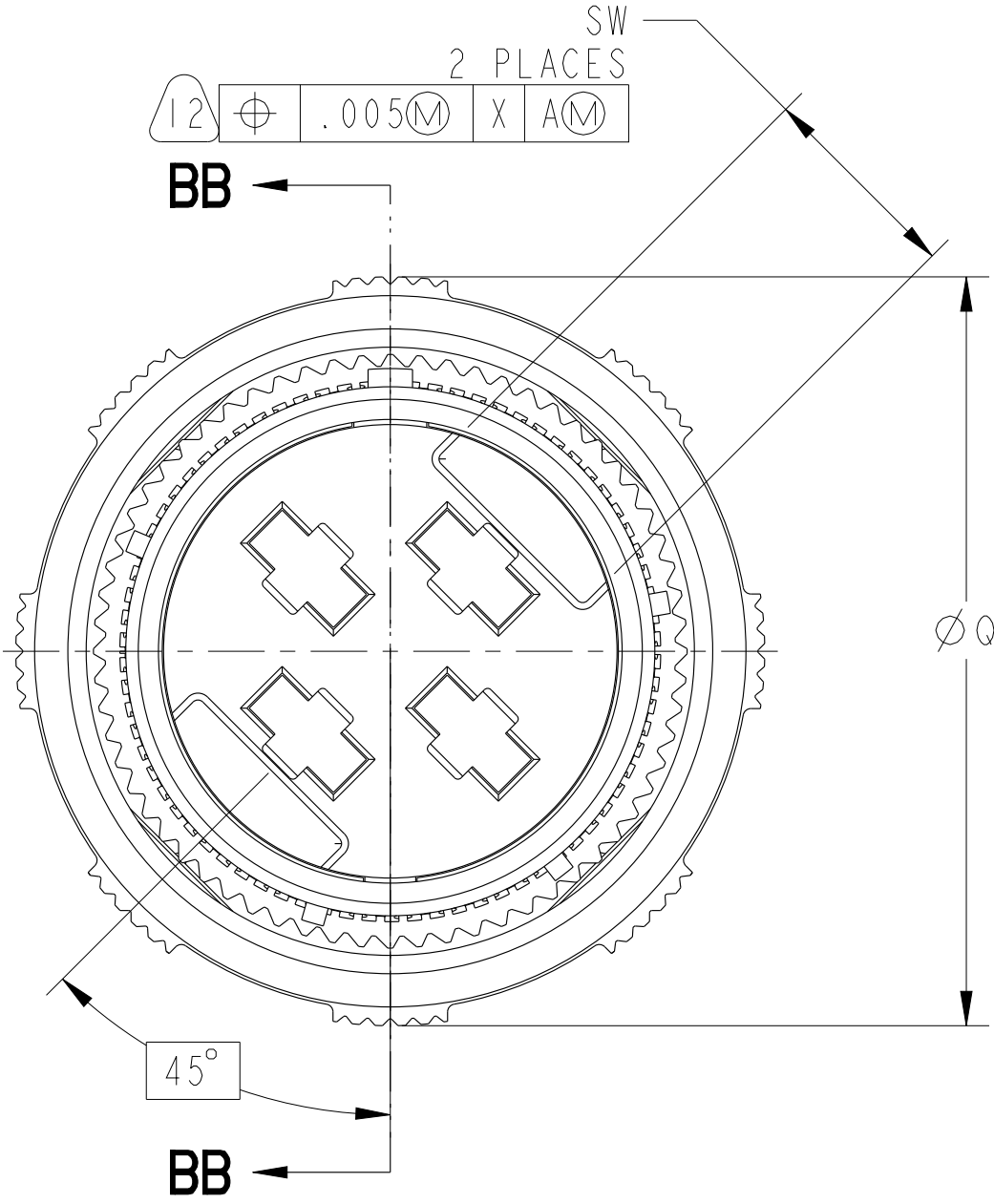


|           |                        |              |               |  |
|-----------|------------------------|--------------|---------------|--|
| REV.      | C                      | SHEET 1 OF 3 | CF-5946XX-XXX |  |
|           |                        |              | DOCUMENT NO.  |  |
| REVISIONS |                        |              |               |  |
| LTR       | DESCRIPTION            |              | DATE          |  |
| A         | INITIAL RELEASE        |              | 07/25/08      |  |
| B         | (CL. II) SEE ECN A6593 |              | 07/13/12      |  |
| C         | (CL II) SEE ECN C3620  |              | 08/08/16      |  |



FRONT VIEW  
(CF-594621-04P SHOWN FOR REF ONLY)  
SCALE 2.500



FRONT VIEW  
(CF-594621-04S SHOWN FOR REF ONLY)  
SCALE 2.500

NOTES:

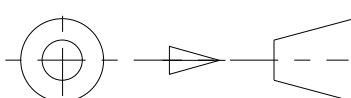
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|               |                                          |  |
|---------------|------------------------------------------|--|
| N/A           | PRO/ENGINEER INFORMATION                 |  |
| N/A           | Pro/e Model Used:<br>CF-69W621-MAP.ASSEM |  |
| NEXT ASSEMBLY | Drawing Name:<br>CF-5946XX-XXX           |  |

| UNLESS OTHERWISE SPECIFIED                                                                                             |
|------------------------------------------------------------------------------------------------------------------------|
| LINEAR DIMENSIONS ARE IN INCHES<br>TOLERANCES:<br>.XXXX = ±.0005 ANGLES= ±2°<br>.XXX = ±.010<br>.XX = ±.03<br>.X = ±.1 |
| DIM.& TOL. PER ASME Y14.5M;<br>DRM PER MIL-DTL-31000;<br>OTHER Amphenol Sds. PER 9-3800                                |
| LEGENDS:<br>=FLAG NOTE CALL OUT<br>REFERENCE ONLY                                                                      |

| SPECIFICATIONS                 |
|--------------------------------|
| MATERIAL SPEC.<br>N/A          |
| PROCESS SPEC.<br>SEE<br>NOTE 7 |

|     |     |                   |                       |      |
|-----|-----|-------------------|-----------------------|------|
| 7   | I   | SEE NOTE 14       | PROTECTION CAP        | 5    |
| 6   | I   | 10-646580/589-XX1 | GROMMET, PIN          | 3, 5 |
|     |     | 10-646580/589-XX2 | GROMMET, SOCKET       |      |
| 5   | I   | 10-646570/579-XXP | INSERT, PIN           | 3, 5 |
|     |     | 10-646570/579-XXS | INSERT, SOCKET        |      |
| 4   | I   | SEE COLUMN        | RETAINING RING        |      |
| 3   | I   | 10-552934-XXG     | COUPLING NUT ASSEMBLY | 5    |
| 2   | I   | 10-442297-XX8     | GROUND STRAP          | 5    |
| 1   | I   | 10-538762/67-XXH  | SHELL, PLATED         | 5    |
| POS | QTY | PART NUMBER       | DESCRIPTION           | NOTE |

|                                                                                       |  |                                                                                        |                                                                     |                               |
|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------|
| PARTS LIST                                                                            |  |                                                                                        |                                                                     |                               |
| APPROVALS                                                                             |  | DATE                                                                                   | AMPHENOL CORPORATION<br>40-60 DELAWARE AVENUE<br>SIDNEY, N.Y. 13838 |                               |
| PREPARED BY<br>JMIKOLAICYK                                                            |  | 24-Jul-08                                                                              |                                                                     |                               |
| ENGINEER IN CHARGE<br>JMIKOLAICYK                                                     |  |                                                                                        |                                                                     |                               |
| DESIGN MANAGER<br>JINGOLD                                                             |  |                                                                                        |                                                                     |                               |
| DESIGN ACTIVITY GROUP<br>HIGH TECH                                                    |  |                                                                                        |                                                                     |                               |
| THIRD ANGLE PROJECTION                                                                |  | CONNECTOR, FIBER OPTIC PLUG,<br>TYPE TV06RF-( ),<br>ELECTROLESS NICKEL PLATED ALUMINUM |                                                                     |                               |
|  |  | SIZE<br>C                                                                              | CAGE CODE<br>77820                                                  | DOCUMENT NO.<br>CF-5946XX-XXX |
|                                                                                       |  | SCALE: 1.0                                                                             | REF: CF-6996XX-XXX                                                  | SHEET 1 OF 3                  |



## PART NUMBER TABLE

| PART<br>NUMBER | SNAP RING<br>PART NUMBER               | D THREAD MODIFIED<br>PER 9-3200-2 |                       | Ø M<br>MIN<br>OVER<br>TIMES | Ø Q<br>MAX | V THREAD<br>(PLATED)<br>PER 9-7543 | Ø GR<br>MAX  | SW<br>±.003 | TW<br>±.003 |
|----------------|----------------------------------------|-----------------------------------|-----------------------|-----------------------------|------------|------------------------------------|-------------------------------------------------------------------------------------------------|-------------|-------------|
|                |                                        | SIZE<br>CLASS 2B                  | MODIFIED<br>MINOR DIA |                             |            |                                    |                                                                                                 |             |             |
| CF-594609-( )  | SEE INDIVIDUAL DRAWING - CF-594609-01S |                                   |                       |                             |            |                                    |                                                                                                 |             |             |
| CF-594611-( )  | 10-483953-059                          | .7500-0.1P-0.3L-TS                | .7142-.7092           | .577                        | .969       | M15 X 1-6g 0.100R                  | .423                                                                                            | .202        | .196        |
| CF-594613-( )  | NOT CURRENTLY AVAILABLE                |                                   |                       |                             |            |                                    |                                                                                                 |             |             |
| CF-594615-( )  | NOT CURRENTLY AVAILABLE                |                                   |                       |                             |            |                                    |                                                                                                 |             |             |
| CF-594617-( )  | NOT CURRENTLY AVAILABLE                |                                   |                       |                             |            |                                    |                                                                                                 |             |             |
| CF-594619-( )  | NOT CURRENTLY AVAILABLE                |                                   |                       |                             |            |                                    |                                                                                                 |             |             |
| CF-594621-( )  | 10-483953-121                          | 1.3750-0.1P-0.3L-TS               | 1.3270-1.3220         | 1.174                       | 1.625      | M31 X 1-6g 0.100R                  | 1.018                                                                                           | .452        | .446        |
| CF-594623-( )  | NOT CURRENTLY AVAILABLE                |                                   |                       |                             |            |                                    |                                                                                                 |             |             |
| CF-594625-( )  | NOT CURRENTLY AVAILABLE                |                                   |                       |                             |            |                                    |                                                                                                 |             |             |

-TO COMPLETE PART NUMBER,  
ADD INSERT ARRANGEMENT SUFFIX  
PER 9-2437-25

9. CONTACTS USE FRONT RELEASE/REAR REMOVAL CONTACT RETENTION SYSTEM.

8. FOR MATING CONNECTOR, SEE CF-5947XX-XXX AND OTHERS.

7. PROCESS SPEC:  
 ASSY 9-5047-4, USE METHOD C, METAL RING STAKING PROCEDURE ONLY.  
 ASSY 9-7852 (SEE NOTE 15)  
 9-4407-13, 9-7374-1 (PARA 4.3 DOES NOT APPLY).  
 TEST 9-5044 (TESTS 3B & 3C DO NOT APPLY)  
 9-2437-25, 9-5788, 9-3200-2, 9-7543, 9-3895

6. PACKAGE PER PRODUCTION PROCESS SHEET.

5. SEE SEPERATE PARTS LIST FOR COMPONENT PART NUMBERS AND QUANTITIES.

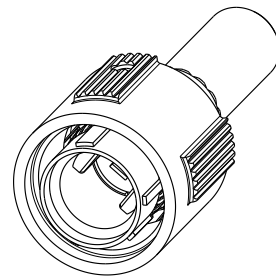
4. DRAWING ILLUSTRATES FINAL ASSEMBLY. FOR FINAL INSTALLATION, CONTACTS MUST BE ASSEMBLED INTO ALL INSERT HOLES. ALL UNUSED GROMMET HOLES MUST BE FILLED WITH APPROPRIATE SIZE SEALING PLUG. CONNECTORS ARE SHIPPED LESS CONTACTS. CONTACTS AND SEALING PLUGS MUST BE PURCHASED SEPERATELY. FOR CONTACTS, SEE DOCUMENTS CF-198136-XXX & CF-198137-XXX.

3. INSERT ASSEMBLY IS NOT REMOVABLE.

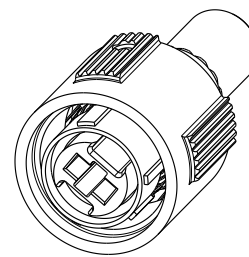
2. ALTERNATE ROTATIONS ARE OBTAINED BY ROTATING INDICATED KEYS. SIX POSITIONS ARE AVAILABLE. SEE 9-2437-25.

- I. FOR CONTACT ARRANGEMENT PATTERN, SEE L-38709 THRU L-38725.  
ONLY ARRANGEMENTS WITH MT CAVITIES APPLY.

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**ISOMETRIC VIEW**  
(CF-594611-01P SHOWN)  
SCALE 1.000



**ISOMETRIC VIEW**  
(CF-594611-01S SHOWN)  
SCALE 1.000

16. CUSTOMER IS ADVISED TO USE A BACKSHELL TO PROTECT REAR GROMMET FROM DAMAGE. BACKSHELL ID MUST BE GREATER THAN ØGR AND LENGTH MUST BE ADEQUATE TO COMPLETELY COVER THE GROMMET. CONSULT AMPHENOL AEROSPACE FOR RECOMMENDED BACKSHELL

15. ASSEMBLE GROMMET TO INSERT PER 9-7852. THIS MUST BE DONE AFTER ASSEMBLY IN SHELL.

14. SEE DOCUMENTS 21-99731 & 21-99732 FOR  
APPROPRIATELY SIZED PROTECTION CAP.

13. TO FRONT OF FIBER OPTIC TERMINUS FACE.

12. WHEN STAKING PIN OR SOCKET INSERTS, FIXTURE SUCH THAT THE INDICATED TRUE POSITION TOLERANCE IS MET.

- II. UNIT ILLUSTRATED MEETS THE APPLICABLE REQUIREMENTS OF MIL-DTL-38999.

10. SEE WORK ORDER FOR PERMISSIBLE OR ALTERNATE  
STAMPING.

|                  |                           |                                      |                  |
|------------------|---------------------------|--------------------------------------|------------------|
| SIZE<br><b>C</b> | CAGE CODE<br><b>77820</b> | DOCUMENT NO.<br><b>CF-5946XX-XXX</b> | REV.<br><b>C</b> |
| SCALE: 1.0       |                           | REF: CF-6996XX-XXX                   | SHEET 3 OF 3     |