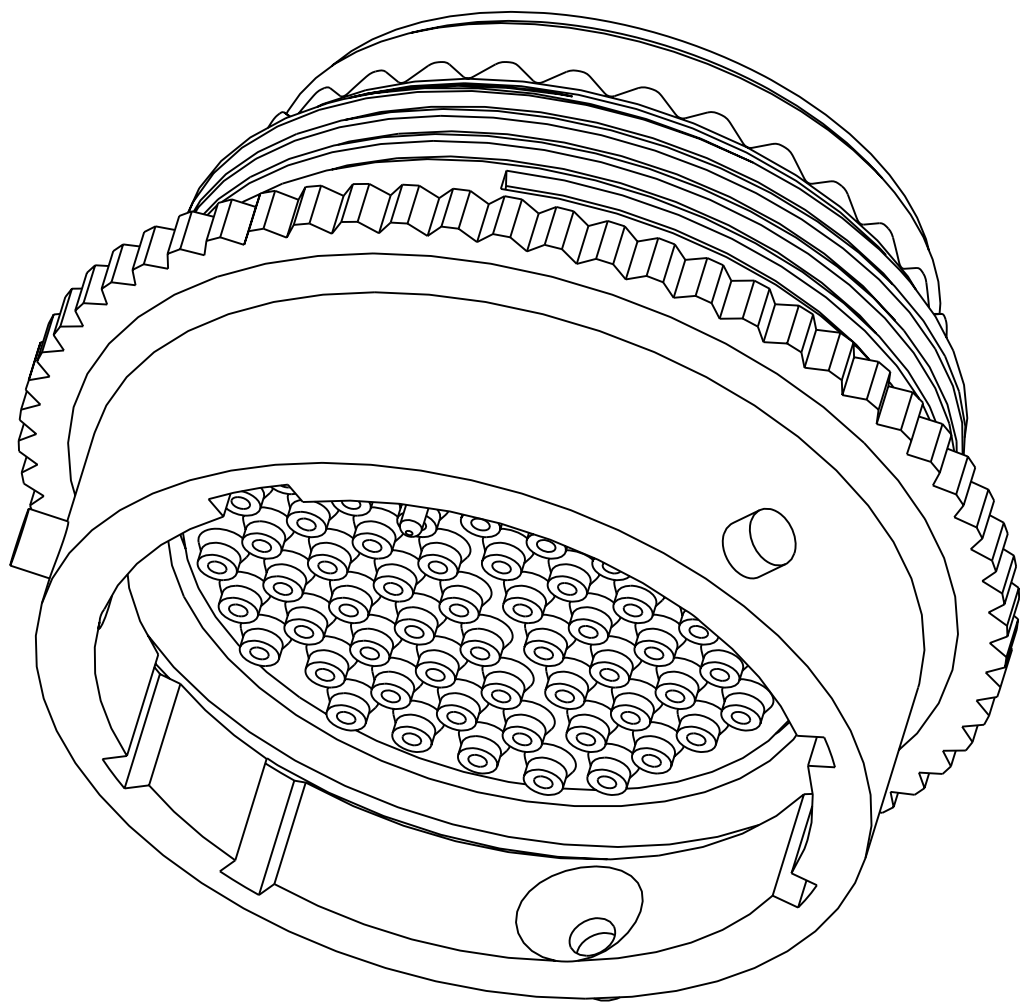


C		91-645680/689	
REV.	SHEET 1 OF 2	DOCUMENT NO.	
REVISIONS			
LTR	DESCRIPTION	DATE	
A	INITIAL RELEASE		
B	((CL 1) DESC BLOCK WAS: JTOORT ECN: A9932	11-15-11 JONES	
C	((CL 1) SEE ECN ECN: B4356	7/30/2012	

FOR UNIT ILLUSTRATION AND DIMENSIONAL DATA
SEE 87/88-443200/214,
EXCEPT FOR INDICATED DIMENSIONS

ASSEMBLY NUMBER	SHELL SIZE	JT REF DESCRIPTION	$\varnothing N$ + .001 - .005	$\varnothing GG$ REF
91-645680-()	6	JT01RT- 6-()(023)	N/A	
91-645681-()	8	JT01RT- 8-()(023)	.473	.665
91-645682-()	10	JT01RT-10-()(023)	.590	.841
91-645683-()	12	JT01RT-12-()(023)	.750	.973
91-645684-()	14	JT01RT-14-()(023)	.875	1.106
91-645685-()	16	JT01RT-16-()(023)	1.000	1.195
91-645686-()	18	JT01RT-18-()(023)	1.125	1.327
91-645687-()	20	JT01RT-20-()(023)	1.250	1.459
91-645688-()	22	JT01RT-22-()(023)	1.375	1.592
91-645689-()	24	JT01RT-24-()(023)	1.500	1.730

-SEE NOTE 11



SCALE 4



11. FOR INSERT ARRANGEMENT SUFFIX SEE 9-2437-5.

10. FOR COMPONENT PART NUMBER OF DESIRED
ARRANGEMENT, SEE APPLICABLE PARTS LIST.

9. PACKAGE PER PRODUCTION PROCESS SHEET.

8. DRAWING ILLUSTRATES FINAL ASSEMBLY.
CONTACTS TO BE SHIPPED UNASSEMBLED.

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

6. UNITS ILLUSTRATED MEET THE APPLICABLE REQUIREMENTS OF MIL-DTL-38999.

5. FOR FINAL INSTALLATION, CONTACTS MUST BE ASSEMBLED INTO ALL INSERT HOLES. ALL UNUSED GROMMET HOLES MUST BE FILLED WITH THE APPROPRIATE SIZE SEALING PLUG PER MS27488.

- ```

4. PROCESS SPEC:
 TEST 9-5726
 ASSY. 9-6147-6
 9-2437-5, 9-5788, 9-3895
 SPECIAL CONTROL 9-6000-5
 PROCESS CONTROL 9-4796

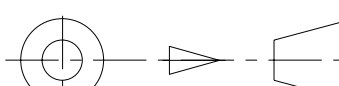
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3. FOR MATING PLUG ASSEMBLIES, SEE DRAWING 91-443045/59 AND OTHERS.

2. INSERT ASSEMBLY IS NOT REMOVABLE.

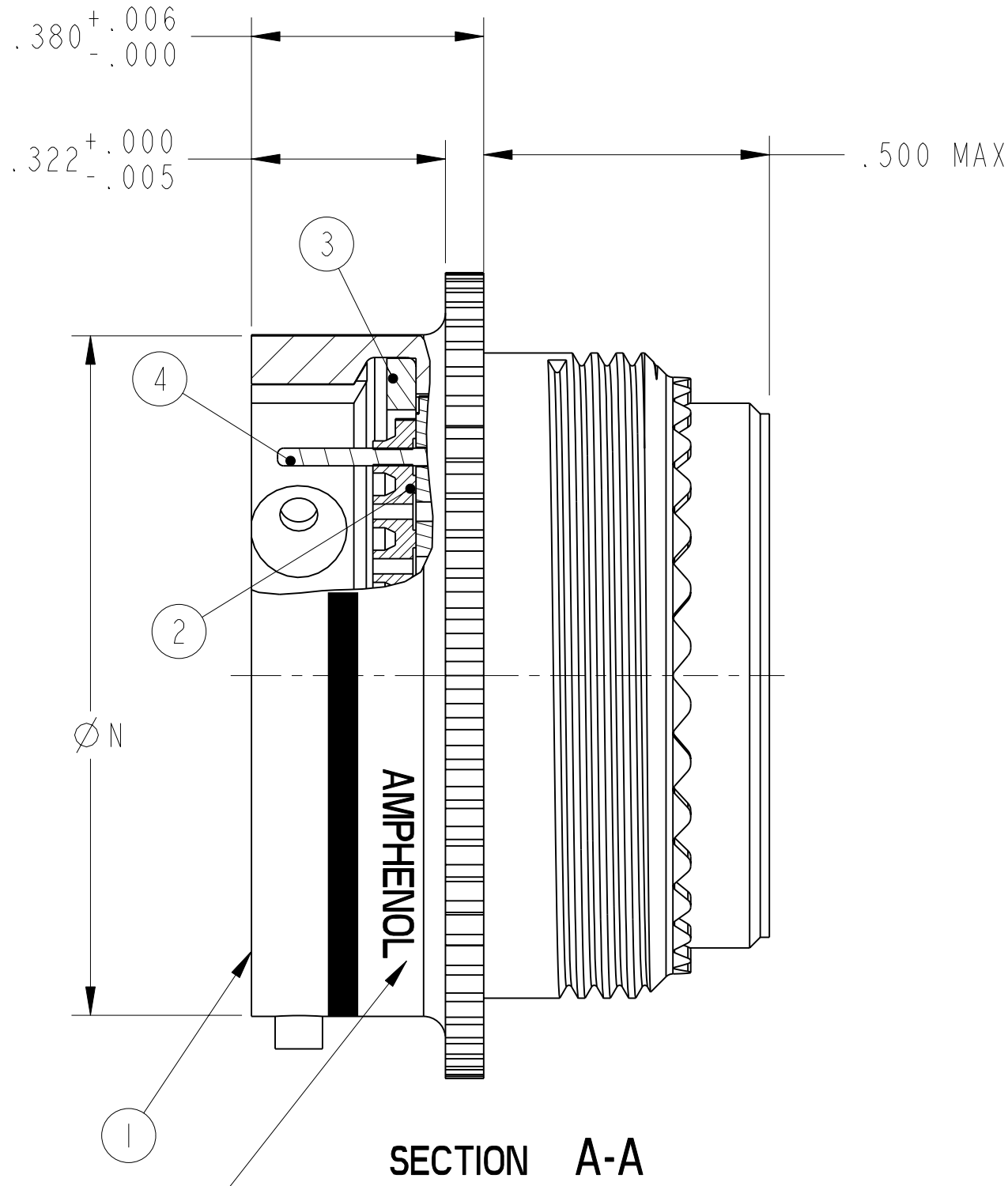
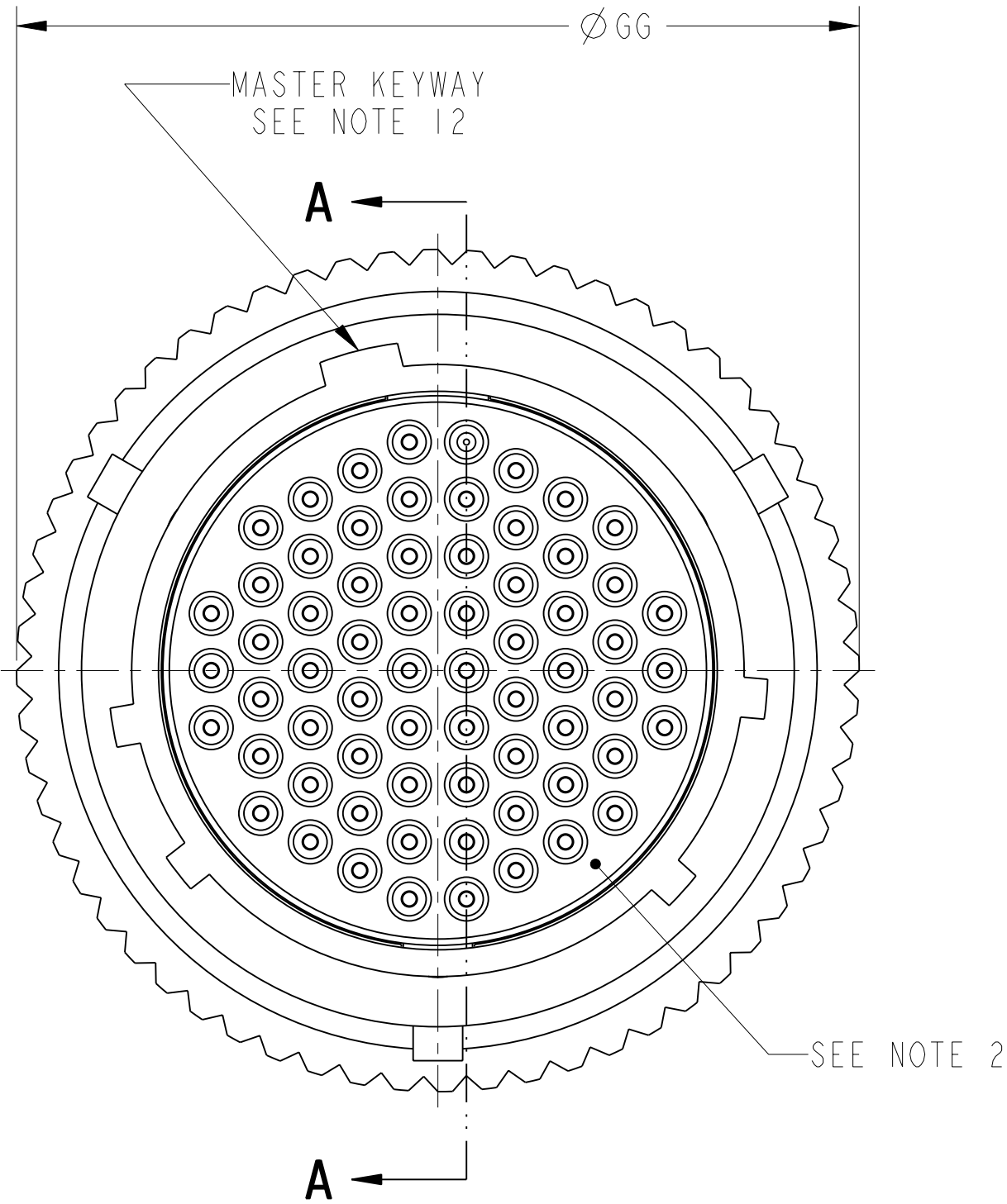
1. FOR CONTACT INSERT ARRANGEMENTS, SEE MIL-STD-1560.

12. ALTERNATE ROTATIONS ARE OBTAINED BY ROTATING INDICATED MASTER KEYWAY. FOUR POSITIONS ARE AVAILABLE PER 9-2437-5.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                        |  |                                                                                                  |            |             |                                                                                                                                                                                                                              |              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|--------------------------------------------------------------------------------------------------|------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--|
| UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | SPECIFICATIONS         |  | POS                                                                                              | QTY        | PART NUMBER | DESCRIPTION                                                                                                                                                                                                                  | NOTE         |  |
| <div>LINEAR DIMENSIONS ARE IN INCHES</div> <div>TOLERANCES:</div> <div>.XXXX = ±.0005</div> <div>ANGLES= ±2°</div> <div>.XXX = ±.010</div> <div>.XX = ±.03</div> <div>.X = ±.1</div> <div>-----</div> <div>DIM. &amp; TOL. PER ASME Y14.5M;</div> <div>DRM PER MIL-DTL-31000;</div> <div>OTHER Amphenol Stds. PER 9-3800</div> <div>LEGENDS:</div> <div> -FLAG NOTE CALL OUT REFERENCE ONLY</div> |  | MATERIAL SPEC.         |  | PARTS LIST                                                                                       |            |             |                                                                                                                                                                                                                              |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | N/A                    |  | APPROVALS                                                                                        |            | DATE        | <div>AMPHENOL CORPORATION</div> <div>40-60 DELAWARE AVENUE</div> <div>SIDNEY, N.Y. 13838</div> <div>CONNECTOR, ELECTRICAL RECEPTACLE, U</div> <div>TYPE JTOIRT-( ), NICKEL PLATE,</div> <div>ROUND/KNURLED FLANGE, SPL</div> |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                        |  | PREPARED BY                                                                                      | D. ALGER   | 24-JUNE-10  |                                                                                                                                                                                                                              |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                        |  | ENGINEER IN CHARGE                                                                               | D. FREAR   |             |                                                                                                                                                                                                                              |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                        |  | DESIGN MANAGER                                                                                   | E. SHEPLER |             |                                                                                                                                                                                                                              |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                        |  | DESIGN ACTIVITY GROUP                                                                            |            |             | MILAERO                                                                                                                                                                                                                      |              |  |
| PROCESS SPEC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                        |  |                                                                                                  |            |             |                                                                                                                                                                                                                              |              |  |
| SEE NOTE 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | THIRD ANGLE PROJECTION |  | <div></div> |            |             |                                                                                                                                                                                                                              |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                        |  | SIZE                                                                                             | CAGE CODE  |             | DOCUMENT NO.                                                                                                                                                                                                                 | REV.         |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                        |  | C                                                                                                | 77820      |             | 91-645680/689                                                                                                                                                                                                                | C            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                        |  | SCALE: 4.0                                                                                       |            |             | REF: 87-645680/689                                                                                                                                                                                                           | SHEET 1 OF 2 |  |

WIRE WELL DATA

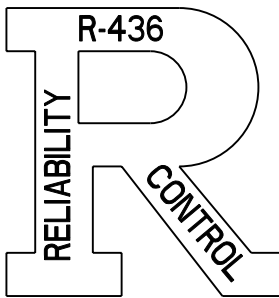
| CONTACT SIZE    | 22M                                    | 22D                                    | 22                                     | 20                                     | 16                                     | 12                                     | 10                                     |
|-----------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|
| WIRE WELL DIA.  | .028 ±.001                             | .0345 ±.0010                           | .0365 ±.0010                           | .047 ±.001                             | .067 ±.001                             | .100 ±.002                             | .137±.003                              |
| WIRE WELL DEPTH | .141 <sup>+.016</sup> <sub>-.000</sub> | .141 <sup>+.016</sup> <sub>-.000</sub> | .141 <sup>+.016</sup> <sub>-.000</sub> | .209 <sup>+.020</sup> <sub>-.000</sub> | .209 <sup>+.020</sup> <sub>-.000</sub> | .209 <sup>+.020</sup> <sub>-.000</sub> | .355 <sup>+.030</sup> <sub>-.000</sub> |



STAMP "AMPHENOL", PART NUMBER, DATE  
CODE (9-3895), AND LOT NUMBER PER 9-5788  
SEE NOTE 7  
EXAMPLE:  
AMPHENOL 91-645686-35P 1025 10001000  
FOR ROTATED MASTER KEYWAY  
EXAMPLE:  
AMPHENOL 91-645686-35G 1025 10001000

NOTES: SEE SHEET 1

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HOWEVER, DOCUMENTS REFERENCED HEREON  
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|            |                    |                               |           |
|------------|--------------------|-------------------------------|-----------|
| SIZE<br>C  | CAGE CODE<br>77820 | DOCUMENT NO.<br>91-645680/689 | REV.<br>C |
| SCALE: 4.0 | REF. 87-645680/689 | SHEET 2 OF 2                  |           |