

REVISIONS			
REV	CHANGE NO.	DATE	CFG
-	INIT RLSE	02-23-06	J. PETRI
A	DCN000133	4/10/2006	J. PETRI
B	DCN000260	8/6/2007	J. PETRI

NOTES:

1. MATERIALS:

SHELL: TITANIUM GRADE 4 (UNALLOYED) PER ASTM B265
 CONTACT: BERYLLIUM COPPER ALLOY 172 OR 173 PER ASTM B196 OR B197
 INSULATOR: CERAMAX® PROPRIETARY CERAMIC
 JAM NUT: TITANIUM GRADE 4 (UNALLOYED) PER ASTM B265
 O-RING: ETHYLENE PROPYLENE, 60 DUROMETER

2. FINISH:

SHELL: OXIDE, COLOR MATTE GRAY
 CONTACTS: NICKEL PLATE PER QQ-N-290, CL1, .000100/.000250 THK
 GOLD PLATE PER ASTM B488, TYPE III, CODE A, .000050/.000100 THK
 JAM NUT: OXIDE, COLOR MATTE DARK GRAY

3. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO 1X10E-9 CC/SEC He AT ONE ATMOSPHERE DIFFERENTIAL PRESSURE.

4. INSULATION RESISTANCE: GREATER THAN 5,000 MEGOHMS AT 500±10% VDC AT 25°C.

5. DIELECTRIC WITHSTANDING VOLTAGE: NO EVIDENCE OF BREAKDOWN OR FLASHOVER AT 600VAC (60Hz). DURATION OF APPLICATION SHALL BE 1 SECOND MINIMUM.

6. CONNECTOR SHALL BE CAPABLE OF MEETING THE PERFORMANCE AND MATING REQUIREMENTS OF MIL-PRF-83513 WHEN MATED WITH SRICMP302-1 OR SRICMP303-1

7. JAM NUT AND O-RING SHIPPED WITH CONNECTOR, UNATTACHED.

8. INSTALL JAM NUT USING TOOL NUMBER: SRI T101-1.

9. LOT ACCEPTANCE TEST PER TABLE 1. NO(0) FAILURES ALLOWED.

10. WHEN REQUIRED BY CONTRACT, QUALIFICATION TEST PER MIL-DTL-83513, PARA. 4.3.

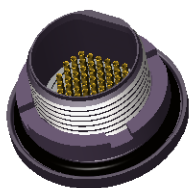
11. MARK PER MIL-STD-130, BAG AND TAG (DO NOT MARK PART).

12. ORDERING INSTRUCTIONS:

SPECIFY THE FOLLOWING PART NUMBER: SRICMP301 - 1

SUBGROUP	TEST	METHOD	CONDITION	SAMPLE SIZE
1 1/	PHYSICAL DIMENSIONS	MIL-STD-883, METHOD 2016	REQUIREMENTS OF THIS DRAWING	ANSI/ASQC Z1.4 GENERAL INSPECTION LEVEL I
2	VISUAL EXAMINATION	MIL-STD-883, METHOD 2009		100%
3	SEAL	MIL-STD-883, METHOD 1014.9, CONDITION A4	NOTE 3	100%
4	INSULATION RESISTANCE	MIL-STD-1344, METHOD 3003	NOTE 4	100%
5	DIELECTRIC WITHSTANDING VOLTAGE	MIL-STD-1344, METHOD 3001	NOTE 5	100%

1/ NONHERMETIC PARTS MAY BE USED FOR THIS SUBGROUP

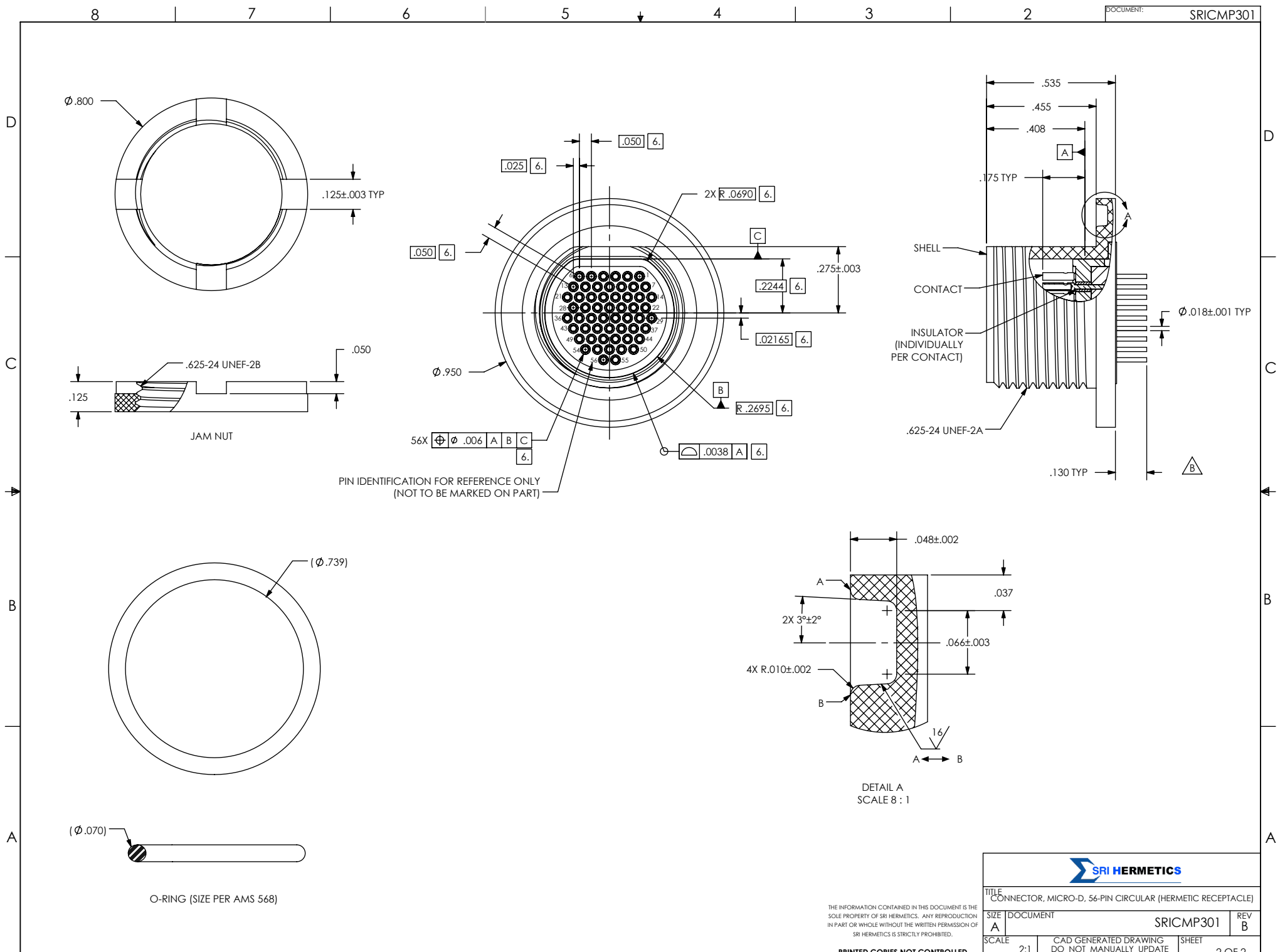


ISOMETRIC VIEW FOR REFERENCE ONLY
 SCALE 1:1

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		DIMENSIONING IAW ASME Y14.5M-1994 DIMENSIONS APPLY AFTER PROCESSES DIMENSIONS IAW US CUSTOMARY UNITS .X ± .1, .XX ± .01, .XXX ± .005, ±.5° .010 MAX OUTSIDE R, .005 MAX INSIDE R 125 RMS SURFACE FINISH		CAD GENERATED DRAWING DO NOT MANUALLY UPDATE ALL SHEETS SAME REVISION			
		THIRD ANGLE PROJECTION		DRAWN	J. PETRI	02-03-06	
NEXT ASSY		USED ON		REVIEW	E. TAYLOR	02-20-06	
APPLICATION				REVIEW			
PART NUMBER: SRICMP301-1		DO NOT SCALE DRAWING		REVIEW			
				TITLE		CONNECTOR, MICRO-D, 56-PIN CIRCULAR (HERMETIC RECEPTACLE)	
				SIZE	DOCUMENT		REV
				A	SRICMP301		B
				SCALE	2:1	CAGE CODE	3PJY7
				SHEET		1 OF 2	



PIN IDENTIFICATION FOR REFERENCE ONLY
(NOT TO BE MARKED ON PART)

DETAIL A
SCALE 8 : 1

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TITLE CONNECTOR, MICRO-D, 56-PIN CIRCULAR (HERMETIC RECEPTACLE)			
SIZE A	DOCUMENT SRICMP301	REV B	
SCALE 2:1	CAD GENERATED DRAWING DO NOT MANUALLY UPDATE ALL SHEETS SAME REVISION	SHEET 2 OF 2	