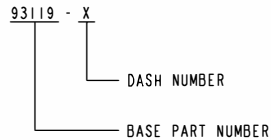


NOTES:

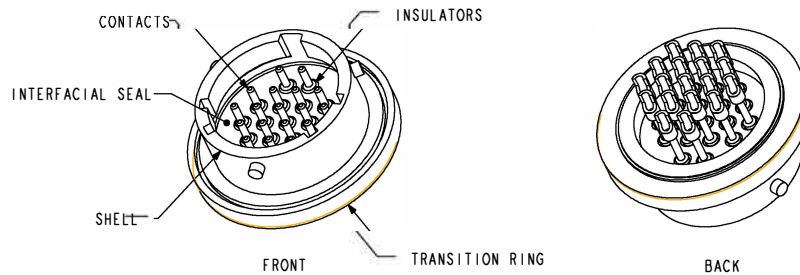
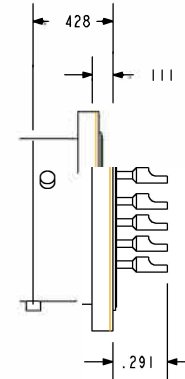
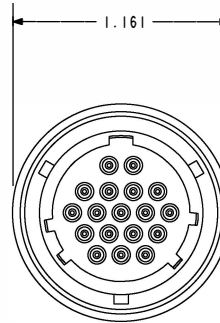
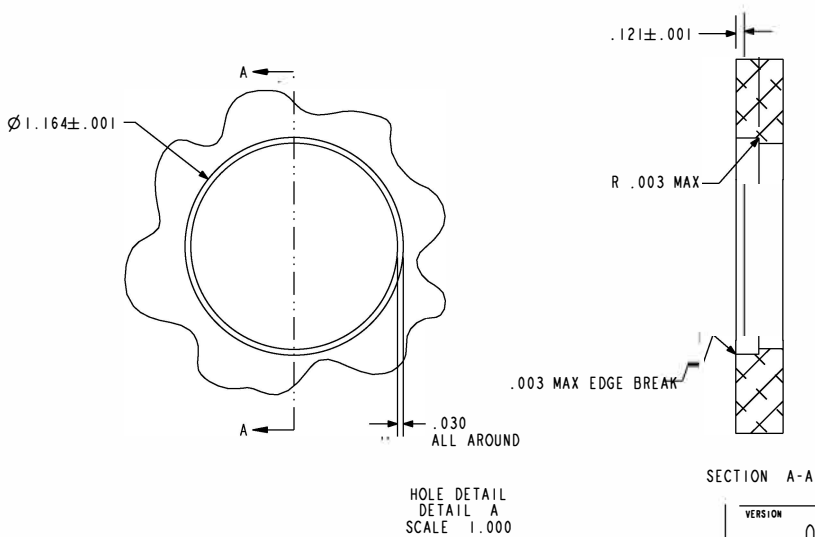
1. HOLES AND INTERFACE DIMENSIONS PER MIL-C-38999 SERIES 2 & MIL-STD-1560 SHELL 14-18.
2. MATEABLE WITH CONNECTORS MANUFACTURED PER MIL-C-38999 & MIL-STD-1560 SHELL 14-18.
3. DESIGNED TO BE LASER WELDED TO AN ALUMINUM HOUSING.
4. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO 1×10^{-9} CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.
5. ELECTRICAL REQUIREMENTS:
 - INSULATION RESISTANCE: GREATER THAN 5,000 MEGOHMS AT $500 \pm 10\%$ VDC AT 25°C WHEN TESTED IAW MIL-STD-1344, METHOD 3003.
 - DIELECTRIC WITHSTANDING VOLTAGE: MUST SHOW NO EVIDENCE OF BREAKDOWN OR FLASHOVER WHEN SUBJECTED TO 600 VAC RMS 60Hz IAW MIL-STD-1344, METHOD 3001. DURATION OF APPLICATION TO BE 1 SEC MIN.
6. MATERIALS:
 - SHELL: 300 SERIES STAINLESS STEEL.
 - CONTACTS: BERYLLIUM-COPPER IAW ASTM B196 OR ASTM B197.
 - INSULATORS: KRYOFLEX PROPRIETARY POLYCRYSTALLINE CERAMIC.
 - INTERFACIAL SEAL: FLUOROSILICONE RUBBER IAW MIL-R-25988, CLASS I, TYPE II, GRADE 60.
 - TRANSITION RING: 300 SERIES STAINLESS STEEL / 4XXX ALUMINUM.
7. FINISH:
 - CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
 - GOLD PLATE IAW MIL-DTL-45204, TYPE II, GRADE C, .000050/.000150 THICK.

8. ORDERING INFORMATION:

PLEASE SPECIFY ACCORDING TO THE FOLLOWING:



| POLARIZATION | DASH NUMBER |
|--------------|-------------|
| N | 1 |
| A | 2 |
| B | 3 |
| C | 4 |
| D | 5 |



HERMETIC SOLUTIONS GROUP
Enabling Technology

TITLE: CONNECTOR, MIL-C-38999, SERIES II PER MS27678, SHELL SIZE 14

THIRD ANGLE PROJECTION
 JIC: **EAR**

| | | | | | | | | | | | | |
|---------|-----|---------------|----------|---------------|------------|-------|--------|-------|--------|--------|-----------|---------|
| VERSION | 0.0 | RELEASE DATE: | 08-02-16 | SALES DRAWING | CAGE CODE: | 64567 | SCALE: | 1.000 | SHEET: | 1 OF 1 | DOCUMENT: | 0-93119 |
|---------|-----|---------------|----------|---------------|------------|-------|--------|-------|--------|--------|-----------|---------|