NOTES:

1. HOLES AND INTERFACE DIMENSIONS PER MIL-PRF-83513/2.
2. MATEABLE WITH CONNECTORS MANUFACTURED PER MIL-PRF-83513/1 AND MIL-PRF-83513/3.
3. DESIGNED FOR LASER WELDING TO A TITANIUM HOUSING.
4. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO $1 \times 10^{-9}$ CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.
5. ELECTRICAL REQUIREMENTS:
   - INSULATION RESISTANCE: GREATER THAN 5,000 WEGOHMS AT 500±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:
   - WELD FLANGE: TITANIUM.
   - INSULATORS: KRYOFLEX 313 PROPRIETARY POLYCRYSTALLINE CERAMIC.
   - HELICAL INSERTS: FLUOROSILICONE RUBBER IAW MIL-R-25998, CLASS I, TYPE II, GRADE 60.
   - WIRE: 26 AWG PER M22759.
7. FINISH:
   - CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
     GOLD PLATE ASTM 8488, TYPE I, CODE A, .000050/.000150 THICK.
8. ORDERING INFORMATION:
   - PIN COUNT (9, 15, 21, 25, 31, OR 37)
   - BASE PART NUMBER TO ORDER

### TABLE I

<table>
<thead>
<tr>
<th>NUMBER OF CONTACTS</th>
<th>W</th>
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### HOLE DETAIL

- $W \pm .004$
- $L \pm .003$
- $Y \pm .001$
- $Z \pm .001$
- $HOLE DETAIL$
- $SECTION A-A$

### INTERFACIAL SEAL

- SCALE 1.000
- $3T$ SHOWN

### WELD FLANGE

- $W \pm .004$
- $L \pm .003$
- $Y \pm .001$

### INTERFACIAL SEAL

- SCALE 1.000
- $3T$ SHOWN

### WIRE

- $W \pm .004$
- $L \pm .003$
- $Y \pm .001$

### INSULATOR

- $W \pm .004$
- $L \pm .003$
- $Y \pm .001$

### 434 Olds Station Rd, Wenatchee WA 98801

### WWW.PACAEIO.COM

### pro/ENGINEER

### Connector, Micro-D, Ti-Compilable, Flanged, Low-Profile, Wired

### Sales Drawing