### Details

#### Scale 6:1

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1</td>
<td>-021 VITON</td>
<td>O-RING -021 VITON 75</td>
</tr>
<tr>
<td>3 *</td>
<td>1</td>
<td>M83513/03-G05N</td>
<td>CONNECTOR 51PIN MIL-C-83513</td>
</tr>
<tr>
<td>2</td>
<td>A/R</td>
<td>PAVE-SEal 150</td>
<td>EPOXY BLACK</td>
</tr>
<tr>
<td>1 *</td>
<td>1</td>
<td>3450</td>
<td>TOP PLATE SS</td>
</tr>
</tbody>
</table>

#### Notes:

1. HE LEAK TEST VACUUM 10X10^-8 CC/SEC OR LESS.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN AND RECEPTACLE OF PLUG.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES. VOIDS SMALLER THAN Ø 0.035 [.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
6. REF-OPERATING TEMPERATURE -20°C TO 125°C.
7. DIMENSIONS ARE INCHES [millimeters].
8. PAVE-SEal CAN BE A BI-DIRECTIONAL HERMETIC SEAL FOR VACUUM AND MOST PRESSURES. FOR PRESSURES ABOVE 150 PSI (10 BAR), CHECK WITH SALES ENGINEERING.

#### Projection

- **Material**: 2522 C
- **Degree Surface Finish**: 128 microinch RMS
- **All Dimensions and Tolerances Apply to Finished Part in Inches. Allowable Tolerances Unless Specified Otherwise: None**

**Angles**

- 0.02 X.XXX DECIMAL
- 0.005

**Dimensions**

- **[49.53]** 1.950
- **[42.16]** 1.660
- **[14.99]** .590
- **[42.16]** 1.660

**All Around**

- 4X R.110

**Detail A**

- **[2.79]**
- **[44.15]**
- **[6.73]** .265
- **[6.12]** .24±1
- **[8.9±0.3]** .35±1

**SP31/10 Installation Port Scale**: 1:1

- 2X #4-40 UNC .125 .2 MIN MUST NOT BREAK THROUGH

**SP31/10-E-150-51-25-M83513-0.37**