### Notes:

1. **He leak test** @ 1 ATM 10x10-7 C.C./SEC or less.
2. Hypot 630 VDC 500 MOHMS minimum 0.01 second minimum wire to wire with mating connector. Continuity test <5 Ohms pins to wire ends.
3. All tests are performed at room temperature.
4. All parts must pass all tests.
5. Dimension does not include epoxy meniscus on wires.
6. No voids are acceptable on O-ring sealing surfaces, voids smaller than φ0.035 [.89] are acceptable on all other surfaces.
7. Operating temperature range -20°C to 125°C.
8. *See Note 6*

### Parts List

<table>
<thead>
<tr>
<th>Item</th>
<th>QTY</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>1</td>
<td>0-30 VITON</td>
<td>O-RING -030 VITON 75</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>JACKPOST 4-40</td>
<td>&quot;P&quot; STYLE 4-40 UNC</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>2746</td>
<td>PLATE TO P S6 62 HD</td>
</tr>
<tr>
<td>3</td>
<td>37</td>
<td>KAPTON K22</td>
<td>WIRE 22 KAPTON M81381/12-22-N</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>GS17S710110EU</td>
<td>CONNECTOR DSUB 37 MALE GOLD PLATED CONTACTS</td>
</tr>
</tbody>
</table>

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**Installation Port:**

- **Atmosphere:**
  - 4048 A
  - 1 DEGREE SURFACE FINISH 128 microinch RMS

- **Vacuum:**
  - 2x 4-40 UNC
  - [57.02±0.25]
  - 2.245±0.10
  - 445±0.10

- **Epoxy Extrusion:**
  - [57.91±0.38]
  - 2.280±0.15
  - GROOVE

- **Epoxy Extrusion:**
  - [10.2±0.3]
  - .40±.01
  - GROOVE

**All dimensions and tolerances apply to finished part in inches. Allowable tolerances unless specified otherwise:**

- X.X DECIMAL
- X.XX DECIMAL
- X.XXX DECIMAL
- X.XXX DECIMAL

**Highlights:**

- All tests are performed at 72 MIN.
- Vacuum test at 1829 MIN.
- Install atmosphere.
- Install vacuum.