NOTES:
1. THE LEAK TEST @ 1 ATM. 1X10^-6 CC/SEC OR LESS, A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST. TEST CERTIFICATIONS FOR LOWER HELIUM LEAK RATES DOWN TO 1X10^-10 CC/SEC RATE MAY BE AVAILABLE BY CONTACTING PAVE SALES ENGINEERING PRIOR TO ORDERING.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM CONDUCTOR TO CONDUCTOR AND CONNECTOR FLANGES WITH MATING CONNECTORS.
3. CONTINUITY TEST <0.5 Ohm MATING CONNECTOR TO MATING CONNECTOR.
4. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
5. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
6. ALL PARTS MUST PASS ALL TESTS.
7. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:
   <= 0.5 [12.7] SEAL DIAMETER: ≤ 0.035 [0.89] MAX ALLOWED VOID SIZE
   > 0.5 [12.7] SEAL DIAMETER: ≤ 0.060 [1.5] MAX ALLOWED VOID SIZE
8. REF-OPERATING TEMPERATURE RANGE -20°C TO 125°C.
9. DIMENSIONS ARE INCHES [millimeters].
10. 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.

SECURE PART WITH APPROPRIATE LENGTH #4-40 SCREWS

PIN-OUT TABLE

<table>
<thead>
<tr>
<th>PLUG SIDE</th>
<th>1</th>
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<th>4</th>
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<th>15</th>
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<tbody>
<tr>
<td>ATMOSPHERE</td>
<td>1</td>
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<tr>
<td>VACUUM</td>
<td>8</td>
<td>7</td>
<td>6</td>
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</tbody>
</table>

PLUG SIDE POS POS POS POS POS POS POS POS POS POS POS POS POS POS POS
ATMOSPHERE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
VACUUM 8 7 6 5 4 3 2 1 15 14 13 12 11 10 9

ITEM QTY PART NUMBER DESCRIPTION
1 2 L77DA15P PLUG D-SUB 15 PIN UL 94V-0 INSULATOR. TIN PLATED STEEL SHELL. GOLD PLATED BRASS PINS 7.5A
2 1 A/R PAVE-Seal 150 EPOXY BLACK
3 2 YAROLEY#440A5-8 THREADED INSERT SS 4-40 X .12
4 4 JACKPOST 4-40 1" STYLE 4-40 UNC
5 1 -029 VITON O-RING -029 VITON 75
6 1 3466 PLATE TOP SS

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES.
ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE: NONE: ±0.005
A/R: ±0.1 X.X " " DECIMAL
.02 X.XX " " DECIMAL
0.02 X.XXX " " DECIMAL

All parts must pass all tests.

Cosmetic surface voids not on O-ring sealing surfaces are acceptable based on the seal's diameter:

≤ 0.5 [12.7] Seal Diameter: ≤ 0.035 [0.89] max allowed void size

> 0.5 [12.7] Seal Diameter: ≤ 0.060 [1.5] max allowed void size

Ref-operating temperature range -20°C to 125°C.

Dimensions are in inches [millimeters].

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.

All dimensions and tolerances apply to finished part in inches.
Allowable tolerances unless specified otherwise: none ±0.005
A/R: ±0.1 X.X " " decimal
.02 X.XX " " decimal
0.02 X.XXX " " decimal

All parts must pass all tests.

Cosmetic surface voids not on O-ring sealing surfaces are acceptable based on the seal's diameter:

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