SCALE 1:2

INSTALLED
LENGTH

[89]
3.5

7

[52]
2.1

8

UNPLUGGED
LENGTH

[41.3]
Ø1.63

2

[38.1]
1.50

ATMOSPHERE | VACUUM

VS15L INSTALLATION PORT

1

5

.06 [1.5] MAXIMUM
OVER/UNDERFILL
BOTH SIDES

(1-14 UN-2A)

3

1684

4

6

[37.85]
Ø1.49

[25.53]
Ø1.005

[40.3]
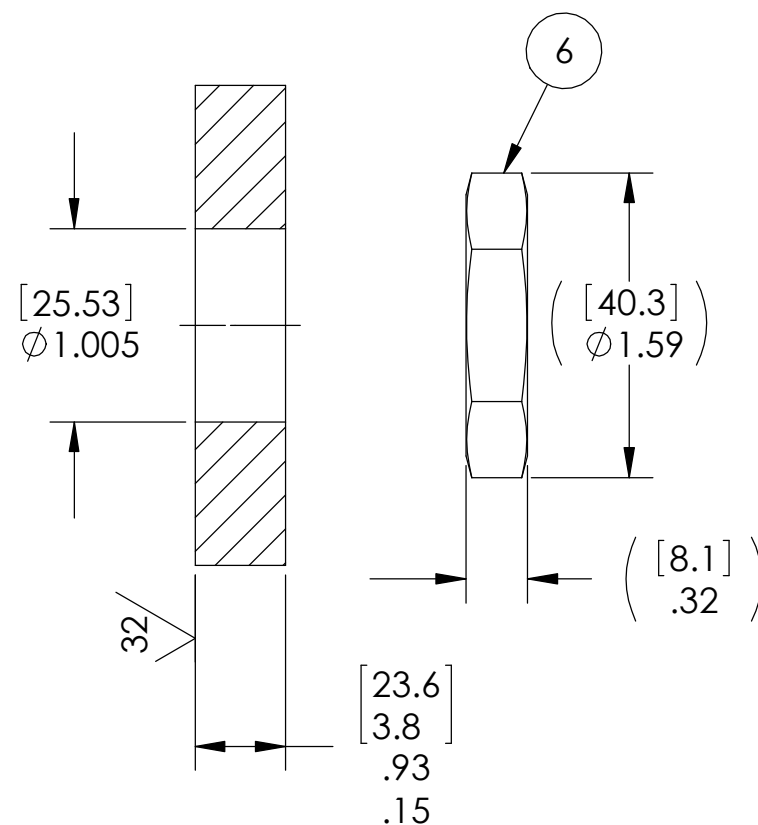Ø1.59

[16]
.63

32

[8.1]
.32

[47.8]
1.88

[23.6
3.8]
.93
.15

[71.9±2.5]
2.83±.1

NOTES:
1. HE LEAK TEST @ 1 ATM 1X10^-7 CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 1000 VDC 100 MEGOHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN & HOUSING WITH MATING CONNECTORS.
3. CONTINUITY TEST <0.5 OHM PIN TO SOCKET WITH MATING CONNECTORS.
4. ALL TEST ARE PERFORMED AT ROOM TEMPTERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:
   <= .5 [12.7] SEAL DIAMETER:  Ø.035 [.89] MAX ALLOWED VOID SIZE
   > .5 [12.7] SEAL DIAMETER:  Ø0.060 [1.5] MAX ALLOWED VOID SIZE
7. REF-OPERATING TEMPERATURE RANGE -20°C TO 125°C.
8. DIMENSIONS ARE INCHES [millimeters].
9. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
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.

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES.
ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE: NONE  ±0.5
X.X DECIMAL  ±0.1  X.XX DECIMAL  ±0.02  X.XXX DECIMAL  ±0.005
ANGLES  ±1 DEGREE  SURFACE FINISH 128 microinch RMS

| ITEM | QTY | PART NUMBER | DESCRIPTION |
|------|-----|-------------|-------------|
| 8 | 1 | SC3116F12-14S | PLUG 14#20 GOLD PLATED COPPER ALLOY CRIMP SOCKETS, NEOPENE INSERT, NICKEL PLATED ALUMINUM SHELL |
| 7 | 1 | SC3116F12-14P | PLUG 14#20 GOLD PLATED COPPER ALLOY CRIMP PINS, NEOPRENE INSERT, NICKEL PLATED ALUMINUM SHELL |
| 6 | 1 | 0183 | NUT VS15-SS |
| 5 | 1 | -215 VITON | O-RING -215 VITON 75 |
| 4 | 1 | SC3112E12-14S | RCPT 14#20 GOLD PLATED COPPER ALLOY SOCKETS, NEOPRENE INSERT, NICKEL PLATED ALUMINUM SHELL |
| 3 | 1 | SC3112E12-14P | RCPT 14#20 GOLD PLATED COPPER ALLOY PINS, NEOPRENE INSERT, NICKEL PLATED ALUMINUM SHELL |
| 2 | A/R | PAVE-Seal 150 | EPOXY BLACK |
| 1 | 1 | 0161 | HOUSING VS15L-SS |

PAVE technology co.

2751 Thunderhawk Court
Dayton, OH 45414-3445
U.S.A.
tel (937) 890-1100
fax (937) 8905165
www.pavetechnologyco.com

DESCRIPTION
VS15L-SS-150-14-20-3112PS

PART NUMBER
1684

MATERIAL  NOTED

REVISION LEVEL  C

PROJECTION