PIN-OUT TABLE

PLUG SIDE	POS	POS	POS	POS	POS	POS	POS	POS	POS	POS	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	16	17	18	19	20	21	22	23	24	25
VACUUM	13	12	11	10	9	8	7	6	5	4	3	2	1	25	24	23	22	21	20	19	18	17	16	15	14

ATMOSPHERE | VACUUM

SP46/13 INSTALLATION PORT

PLUG FLANGE FLUSH TO TOP PLATE ±.06 [1.5]

[1.32±0.10]
.052±.004

[18.4]
.72

32

[14.5]
.57

[21.1]
.83

[2.29±0.15]
.090±.006
ALL AROUND

[59.69]
2.350

[66.8]
2.63

[73.4]
2.89

[0.5]
.02
SS PLATE
OVERHANG

[1.78]
4X R.070

32

[2.92]
2X ⌀.115

[14]
.55

[54.10]
2.13

[59.69]
2.350

SECURE PART WITH APPROPRIATE
LENGTH #4-40 SCREWS
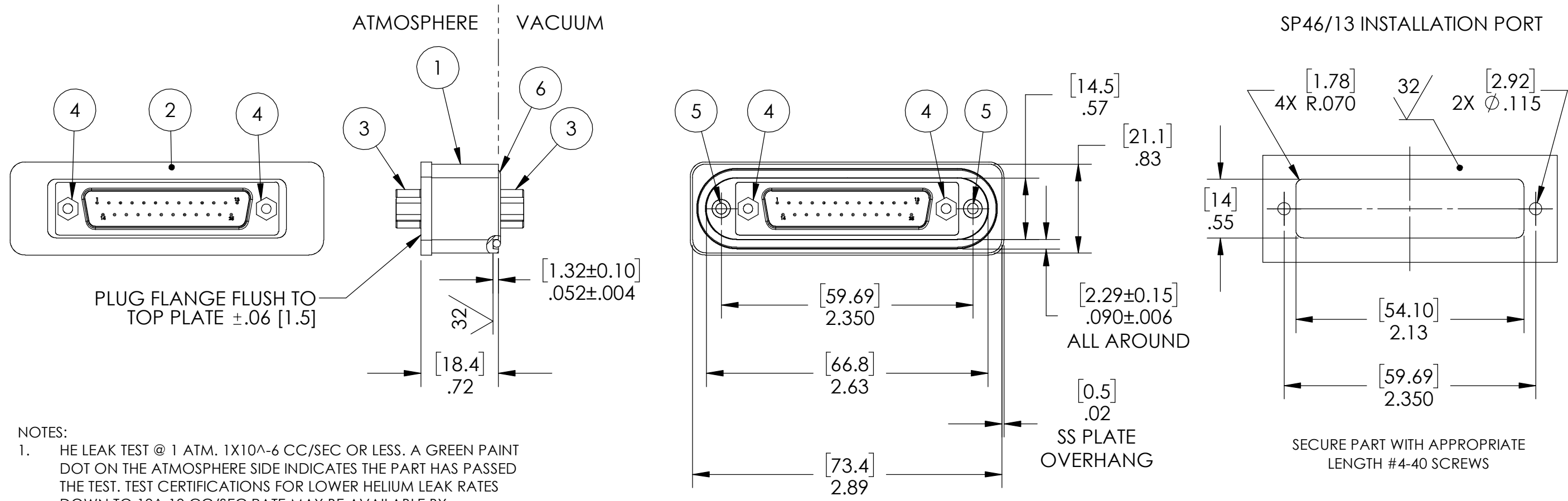
NOTES:

1. HE 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 10^-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:
   <= .5 [12.7] SEAL DIAMETER: ⌀.035 [.89] MAX ALLOWED VOID SIZE
   > .5 [12.7] SEAL DIAMETER: ⌀.060 [1.5] MAX ALLOWED VOID SIZE
8. REF-OPERATING TEMPERATURE RANGE -20 ˚C TO 105 ˚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.

ITEM	QTY	PART NUMBER	DESCRIPTION
6	1	-032 VITON	O-RING -032 VITON 75
5	2	YARDLEY#440A5-8	THREADED INSERT SS 4-40 X .12
4	4	JACKPOST 4-40	"P" STYLE 4-40 UNC
3	2	171-025-103L001	PLUG D-SUB 25 PIN PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED BRASS PINS
2	1	3420PG2C	PLATE TOP SS
1	A/R	PAVE-Seal 150	EPOXY BLACK

DESCRIPTION
SP46/13-E-150-25-20-DSUB-DSUB

PART NUMBER
5423

MATERIAL: NOTED

REVISION LEVEL: –

PROJECTION

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