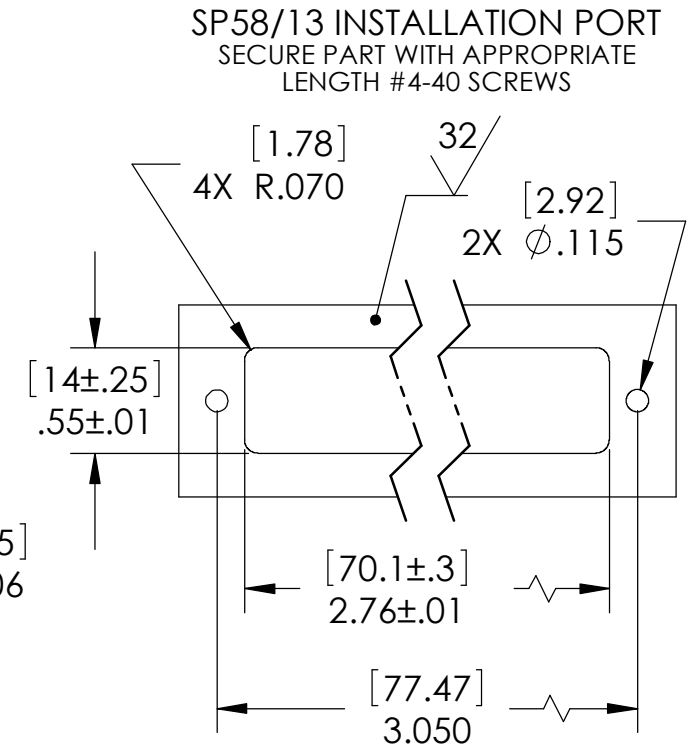
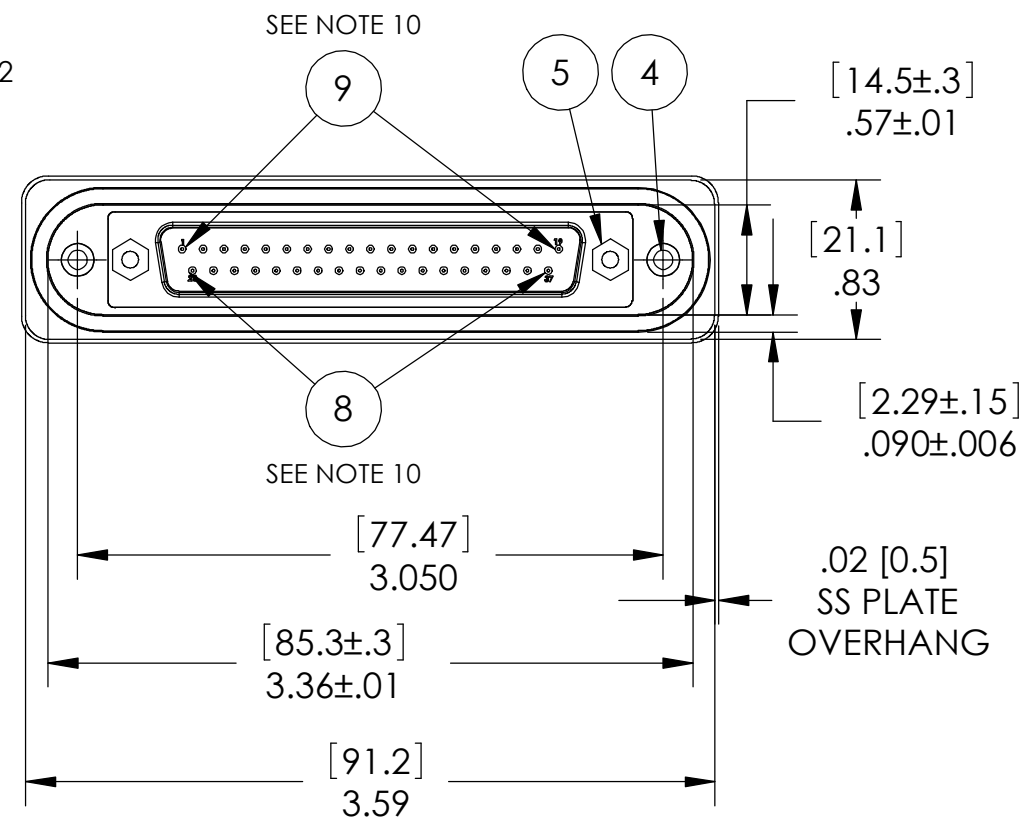
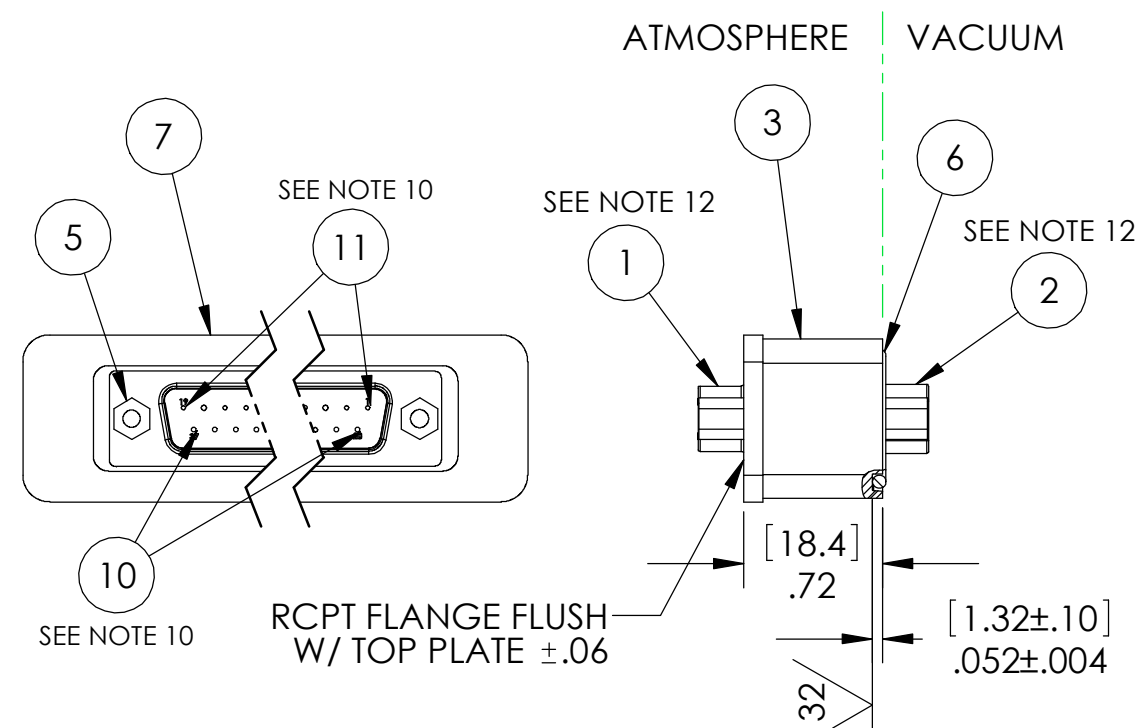




NOTES:

1. HE LEAK TEST @ 1 ATM. 1×10^{-6} CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM CONDUCTOR TO CONDUCTOR AND RECEPTACLE FLANGES WITH MATING CONNECTORS.
3. CONTINUITY TEST <0.5 Ohms MATING CONNECTOR TO MATING CONNECTOR.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
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:
 $\leq .5$ [12.7] SEAL DIAMETER: $\phi .035$ [.89] MAX ALLOWED VOID SIZE
 $> .5$ [12.7] SEAL DIAMETER: $\phi .060$ [1.5] MAX ALLOWED VOID SIZE
7. REF-OPERATING TEMPERATURE RANGE -20 °C TO 105 °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. CONNECTOR POSITIONS 1-19 ARE CHROMEL (+) CONTACTS AND CONNECTOR POSITIONS 20-37 ARE ALUMEL (-) CONTACTS .
11. ASSEMBLY SHIPS WITH MATING CONNECTORS (ITEMS 1 & 2) AND CRIMP CONTACTS (ITEMS 8, 9, 10, & 11) LOOSE.
12. PAVE# 6066R IS REVERSED WITH SOCKETS ON THE VACUUM SIDE AND PINS ON THE ATMOSPHERE SIDE.

11	38	SMTC-CH-S	CONTACT #20 CRIMP TYPE K CHROMEL SOCKET
10	36	SMTC-AL-S	CONTACT #20 CRIMP TYPE K ALUMEL SOCKET
9	38	SMTC-CH-P	CONTACT #20 CRIMP TYPE K CHROMEL PIN
8	36	SMTC-AL-P	CONTACT #20 CRIMP TYPE K ALUMEL PIN
7	1	4096	PLATE TOP SS DSUB 37 PIN
6	1	-036 VITON	O-RING -036 VITON 75
5	4	JACKPOST 4-40	"P" STYLE 4-40 UNC
4	2	YARDLEY#440A5-8	THREADED INSERT SS 4-40 X .12
3	A/R	PAVE-Seal 150	EPOXY BLACK
2	2	170-037-173L000	PLUG D-SUB 37 POS PIN PBT INSULATOR, NICKEL PLATED STEEL SHELL
1	2	170-037-273L000	RCPT D-SUB 37 POS SOC PBT INSULATOR, NICKEL PLATED STEEL SHELL
ITEM	QTY	PART NUMBER	DESCRIPTION

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

DESCRIPTION
SP58/13-E-150-37-K20-DSUB-DSUB

PART NUMBER *SEE NOTE 12
6066

MATERIAL NOTED
REVISION LEVEL C
PROJECTION

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