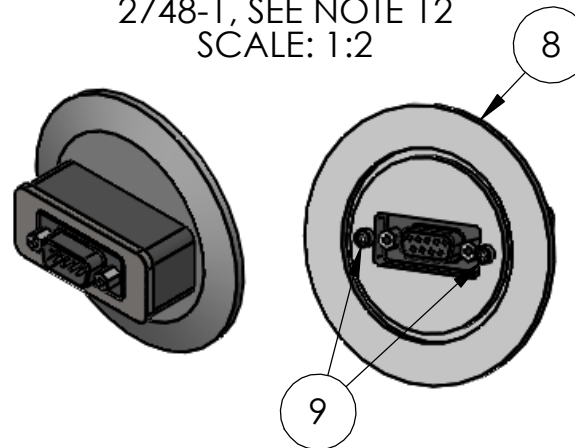
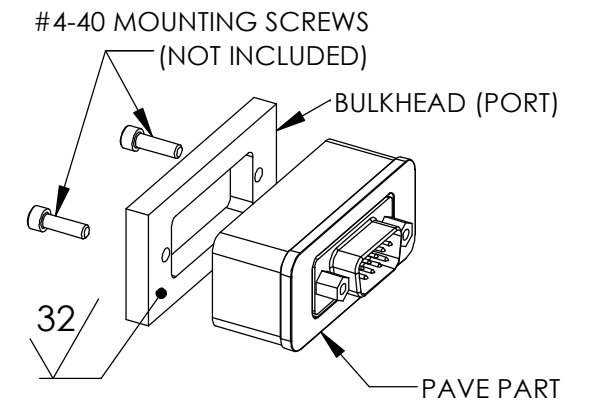


2748-1, SEE NOTE 12
SCALE: 1:2



PART INSTALLATION, SCALE: 2:3



NOTES:

1. HE LEAK TEST @ 1 ATM. 1X10⁻⁶ CC/SEC OR LESS. FOR 2748-2 ONLY: LEAK TEST @ 60 PSI, NO BUBBLES 30 SECONDS MINIMUM. A GREEN PAINT DOT WHERE NOTED INDICATES THE PART HAS PASSED THE LEAK TEST.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND CONNECTOR SHELLS WITH MATING CONNECTORS.
3. CONTINUITY TEST < 0.5 Ohm PIN TO SOCKET WITH MATING CONNECTORS.
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: Ø .035 [.89] MAX ALLOWED VOID SIZE
 > .5 [12.7] SEAL DIAMETER: Ø .060 [1.5] MAX ALLOWED VOID SIZE
8. 2748-R IS REVERSED WITH PINS ON THE VACUUM SIDE AND SOCKETS ON THE ATMOSPHERE SIDE.
9. APPENDING "EMI" TO THE PAVE PART NUMBER AND ORDER CODE INDICATES AN ELECTRICAL CONNECTION BETWEEN THE SHELLS OF ITEMS 1 & 2.
10. REF-OPERATING TEMPERATURE RANGE -20°C TO 105°C.
11. DIMENSIONS ARE INCHES [millimeters].
12. 2748-1 ONLY SHIPS INSTALLED AND LEAK TESTED, PER NOTE 1, IN ITEM 8 (NW50 ADAPTER) SECURED WITH ITEM 9 (#4-40 SCREWS).

9	SEE NOTE 12 2	4-40X.3125 SHCS	SCREW SHCS 4-40x.3125-SS
8	SEE NOTE 12 1	5216	HOUSING NW50-SS SP30/13 ADAPTER
7	1	3461	PLATE TOP SS 9 PIN DSUB
6	1	-026 VITON	O-RING -026 VITON 75
5	4	JACKPOST 4-40	"P" STYLE 4-40 UNC
4	2	YARDLEY#440A5-8	THREADED INSERT SS
3	1	PAVE-Seal 150	EPOXY BLACK
2	1	171-009-203L001	RCPT D-SUB 9 SOCKET PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED BRASS SOCKETS
1	1	171-009-103L001	PLUG D-SUB 9 PIN PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED BRASS PINS
ITEM	QTY	PART NUMBER	DESCRIPTION

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

DESCRIPTION
 SP30/13-E-150-9-20-DSUB-DSUB

PART NUMBER *SEE NOTES 1, 8, 9, & 12
2748*

MATERIAL NOTED
 REVISION LEVEL K

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