



NOTES:

1. HE LEAK TEST @ 1 ATM. 1X10⁻⁶ CC/SEC OR LESS. A GREEN PAINT DOT WHERE NOTED 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 <.5 Ohms PINS TO SOCKETS WITH MATING CONNECTORS.
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:
 <= .5 [12.7] SEAL DIAMETER: ϕ .035 [.89] MAX ALLOWED VOID SIZE
 > .5 [12.7] SEAL DIAMETER: ϕ .060 [1.5] MAX ALLOWED VOID SIZE
7. REF-OPERATING TEMPERATURE RANGE -20 °C TO 105 °C.
8. DIMENSIONS ARE INCHES [millimeters].
9. PAVE-Mate CAN BE A BI-DIRECTIONAL HERMETIC SEAL FOR VACUUM AND MOST PRESSURES. FOR PRESSURES ABOVE 150 PSI (10 BAR), CHECK WITH SALES ENGINEERING.
10. ALUMEL(-) CONTACTS SHALL BE INSERTED IN POSITIONS 1 THRU 18 AND POSITIONS 27 THRU 33, CHROMEL(+) CONTACTS SHALL BE INSERTED IN POSITIONS 19 THRU 26 AND POSITIONS 34 THRU 50.
11. ASSEMBLY SHIPS WITH MATING CONNECTORS (ITEMS 3 & 6) AND CRIMP CONTACTS (ITEMS 4, 5, 7 & 8) LOOSE.
12. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.

PIN-OUT TABLE [POSITION (+ OR -)]

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 (+)	26 (+)	27 (-)	28 (-)	29 (-)	30 (-)	31 (-)	32 (-)	33 (-)	
34 (+)	35 (+)	36 (+)	37 (+)	38 (+)	39 (+)	40 (+)	41 (+)	42 (+)	43 (+)	44 (+)	45 (+)	46 (+)	47 (+)	48 (+)	49 (+)	50 (+)

11	1	-036 VITON	O-RING -036 VITON 75
10	4	JACKPOST 4-40	"P" STYLE 4-40 UNC
9	2	YARDLEY#440A5-8	THREADED INSERT SS 4-40 X .12
8	50	SMTC-CH-S	CONTACT #20 CRIMP TYPE K CHROMEL SOCKET
7	50	SMTC-AL-S	CONTACT #20 CRIMP TYPE K ALUMEL SOCKET
6	2	170-050-273L000	RCPT D-SUB 50 POS SOCKET PBT INSULATOR NICKEL PLATED STEEL SHELL
5	50	SMTC-CH-P	CONTACT #20 CRIMP TYPE K CHROMEL PIN
4	50	SMTC-AL-P	CONTACT #20 CRIMP TYPE K ALUMEL PIN
3	2	170-050-173L000	PLUG D-SUB 50 POS PIN PBT INSULATOR NICKEL PLATED STEEL SHELL
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	4182	PLATE TOP SS DSUB
ITEM	QTY	PART NUMBER	DESCRIPTION

PAVE technology co.
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 www.pavetechnologyco.com

DESCRIPTION
 SP58/16-E-150-50-20-DSUB-DSUB TYPE K CONTACTS

PART NUMBER
5344

MATERIAL NOTED

REVISION LEVEL
 B

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