



NOTES:

1. LEAK TESTING, A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST:  
3941 ONLY: HE LEAK TEST @ 1 ATM 1X10<sup>-6</sup> CC/SEC OR LESS.  
3941-1 ONLY: LEAK TEST 80 PSI, NO BUBBLES 30 SECONDS MINIMUM.
2. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
3. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND HOUSING.
4. ITEM 1 HAS AN ELECTRICAL CONNECTION TO ITEM 3.
5. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
6. ALL PARTS MUST PASS ALL TESTS.
7. NO COSMETIC SURFACE VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, COSMETIC SURFACE VOIDS SMALLER THAN ∅0.035 [0.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
8. REF-OPERATING TEMPERATURE -40°C TO 125°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
5	2	4-40X.25 SCREW	SCREW4-40x.25-SS BUTTON SH
4	1	-027 VITON LT	O-RING -027 LOW-TEMP VITON 75
3	1	163A11189X	CONNECTOR D-SUB 25 PIN W/ LEADS TIN PLATED STEEL SHELL PBT GF UL 94 V-0 INSULATOR GOLD PLATED COPPER ALLOY CONTACTS
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	4049	PLATE TOP SS DSUB 25 GRND

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DESCRIPTION  
SP44/13-E-150-25-20-DSUB-PCB PINS

PART NUMBER \*SEE NOTE 1  
**3941\***

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