



**NOTES:**

1. HE LEAK TEST @ 1 ATM. 1X10<sup>-6</sup> CC/SEC OR LESS. A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN AND CONNECTOR FLANGES 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. NO COSMETIC SURFACE VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, COSMETIC SURFACE VOIDS SMALLER THAN  $\phi 0.035$  [0.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
8. REF-OPERATING TEMPERATURE -20°C TO 125°C.
9. DIMENSIONS ARE INCHES [millimeters].
10. 4869-R IS REVERSED WITH PINS ON THE VACUUM SIDE AND SOCKETS ON THE ATMOSPHERE SIDE.
11. 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
7	1	3466	PLATE TOP SS
6	1	-029 VITON	O-RING -029 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	1	680M3W3203L401	RCPT D-SUB 3#8 SOCKET PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED COPPER ALLOY SOCKETS 40 AMP
1	1	680M3W3103L401	PLUG D-SUB 3#8 PIN PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED COPPER ALLOY PINS 40 AMP

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DESCRIPTION  
SP37/13-E-150-3-8-DSUB-DSUB

PART NUMBER  
**4869\***

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