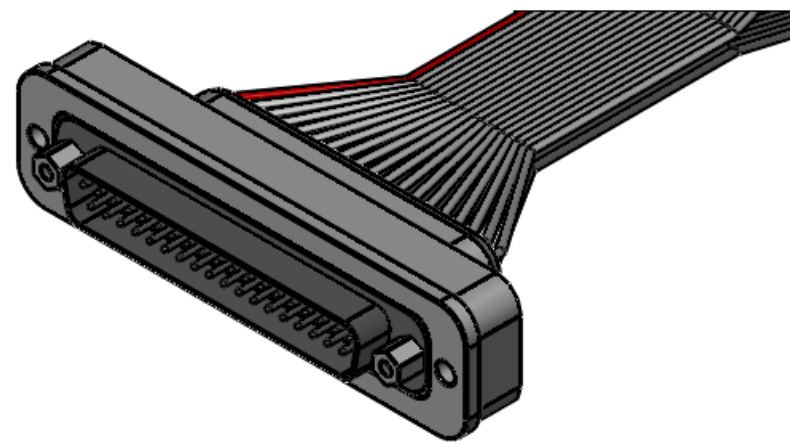


NOTES:

1. HE LEAK TEST @ 1 ATM.  $1 \times 10^{-6}$  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 WIRE TO WIRE WITH MATING CONNECTOR.
3. CONTINUITY TEST < 0.5 OHM MATING CONNECTOR TO WIRE ENDS.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. DIMENSION DOES NOT INCLUDE EPOXY MENISCUS ON RIBBON CABLE.
7. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:  
 <= .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
8. REF-OPERATING TEMPERATURE RANGE -20 °C TO 105 °C.
9. RED POLARITY STRIPE ON ITEM 3 GOES TO PIN1 ON ITEM 1. REMAINING CONDUCTORS ARE SEQUENTIAL.
10. DIMENSIONS ARE INCHES [millimeters].
11. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
12. 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
6	1	-030 VITON	O-RING -030 VITON 75
5	2	JACKPOST 4-40	"P" STYLE 4-40 UNC
4	1	2746	PLATE TOP SS 62 HD
3	1	3M 3365-37	CABLE RIBBON PVC#28 37 CONDUCTOR .050" PITCH
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	171-037-103L001	PLUG D-SUB 37 PIN PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED BRASS PINS

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DESCRIPTION  
 SP48/15-E-150-1-37RIB-#20 DSUB-48

PART NUMBER  
**3535**

MATERIAL NOTED

REVISION LEVEL  
 C

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