



NOTES:

1. HE LEAK TEST VACUUM 10×10^{-7} CC/SEC OR LESS.
2. HYPOT 630 VDC 500 MEG OHMS 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. PAVE# 4174R IS REVERSED WITH PINS ON THE ATMOSPHERE SIDE & SOCKETS ON THE VACUUM SIDE.
7. NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, VOIDS SMALLER THAN $\phi .035$ [.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
8. REF-OPERATING TEMPERATURE -20 °C TO 105 °C.
9. DIMENSIONS ARE INCHES [millimeters].

ITEM	QTY	PART NUMBER	DESCRIPTION
7	1	-036 VITON	O-RING -036 VITON 75
6	4	JACKPOST 4-40	"P" STYLE 4-40 UNC
5	2	YARDLEY# 440A5-8	THREADED INSERT SS 4-40 X .12
4	1	171-050-203L001	RCPT D-SUB 50 SOCKET PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED BRASS SOCKETS
3	1	171-050-103L001	PLUG D-SUB 50 PIN PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED BRASS PINS
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	4182	PLATE TOP SS D-SUB 50 PIN

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DESCRIPTION	
SP58/16-E-150-50-20-DSUB-DSUB	
PART NUMBER	MATERIAL NOTED
4174*	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