



NOTES:

1. HE LEAK TEST VACUUM 10X10⁻⁷ CC/SEC OR LESS. A GREEN PAINT DOT INDICATES 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 <0.5 Ohms MATING CONNECTOR TO MATING CONNECTOR.
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: Ø.035 [.89] MAX ALLOWED VOID SIZE
 > .5 [12.7] SEAL DIAMETER: Ø.060 [1.5] MAX ALLOWED VOID SIZE
7. REF-OPERATING TEMPERATURE -20°C TO 105°C.
8. DIMENSIONS ARE INCHES [millimeters].
9. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
10. 4058-R IS REVERSED WITH PINS ON ATMOSPHERE SIDE AND SOCKETS ON THE VACUUM SIDE.

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

ITEM	QTY	PART NUMBER	DESCRIPTION
7	1	4096	PLATE TOP SS DSUB 37 PIN
6	1	-036 VITON	O-RING -036 VITON 75
5	4	JACKPOST 4-40	"P" STYLE 4-40 UNC
4	2	YARDLEY#440A5-8	THREADED INSERT SS
3	A/R	PAVE-Seal 150	EPOXY BLACK
2	1	171-037-103L001	PLUG D-SUB 37 #20 PINS PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED BRASS PINS
1	1	171-037-203L001	RCPT D-SUB 37 #20 SOCKETS PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED BRASS SOCKETS

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DESCRIPTION
 SP58/13-E-150-37-20-DSUB-DSUB

PART NUMBER
4058

MATERIAL NOTED

REVISION LEVEL
 B

PROJECTION