



**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 WIRE TO WIRE AND HOUSING.
3. CONTINUITY TEST 0.5 Ohms MAXIMUM RESISTANCE MATING CONNECTOR TO WIRE ENDS.
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. WIRE POSITIONING IS APPROXIMATE & VARIABLE.
8. 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
9. REF-OPERATING TEMPERATURE PER TABLE.
10. DIMENSIONS ARE INCHES [millimeters].
11. PAVE #2558NP IS WITHOUT MATING PLUG.

2558-1	-027 BUTYL	-54 TO 125°C
2558	-027 VITON	-20 TO 125°C
PART #	O-RING	TEMP

8	1*	M8351302-HN	CONNECTOR 100 SOC 83513*SEE NOTE 11
7	A/R	FOMBLIN YVAC 3	LUBRICANT O-RING FOMBLIN
6	2	JACKPOST 4-40	"P" STYLE 4-40 UNC
5	1	SEE TABLE	O-RING
4	100	E26 WHITE	WIRE 26E MIL-W-16878/4 7/#34
3	A/R	PAVE-Seal 150	EPOXY BLACK
2	1	2593	PLATE TOP AL 100 PIN
1	1	M8351301-HN	CONNECTOR 100 PIN MIL-C-83513
ITEM	QTY	PART NUMBER	DESCRIPTION

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DESCRIPTION  
 SP43/11-E-80-100-E26-24-M8351301/HN

PART NUMBER  
**2558**

MATERIAL NOTED

REVISION LEVEL  
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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