



NOTES:

1. HE LEAK TEST @ 1 ATM. 1X10⁻⁸ CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
2. HYPOT 500 VDC 200 MEGOHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN AND HOUSING WITH MATING CONNECTORS.
3. CONTINUITY TEST 0.5 OHMS MAXIMUM 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 RANGE: -20 TO 125°C.
8. DIMENSIONS ARE INCHES [millimeters].
9. 5366-R IS REVERSED WITH SOCKETS ON THE VACUUM SIDE & PINS ON THE ATMOSPHERE SIDE.
10. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
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.

6	1	-033 VITON	O-RING -033 VITON 75
5	A/R	PAVE-Seal 150	EPOXY BLACK
4	4	320-9505-030	JACKPOST M17 MICRO 4-40
3	1	5369	HOUSING SP52/15-AL 6061 ELECTROLESS NICKEL PLATED
2	1	M83513/01-HN	CONNECTOR 100 PIN 83513
1	1	M83513/04-H05N	CONNECTOR 100 SOCKET 83513
ITEM	QTY	PART NUMBER	DESCRIPTION

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PAVE technology co.

DESCRIPTION
SP52/15-AL-150-100-25-M83513

PART NUMBER 5366	MATERIAL NOTED
REVISION LEVEL A	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