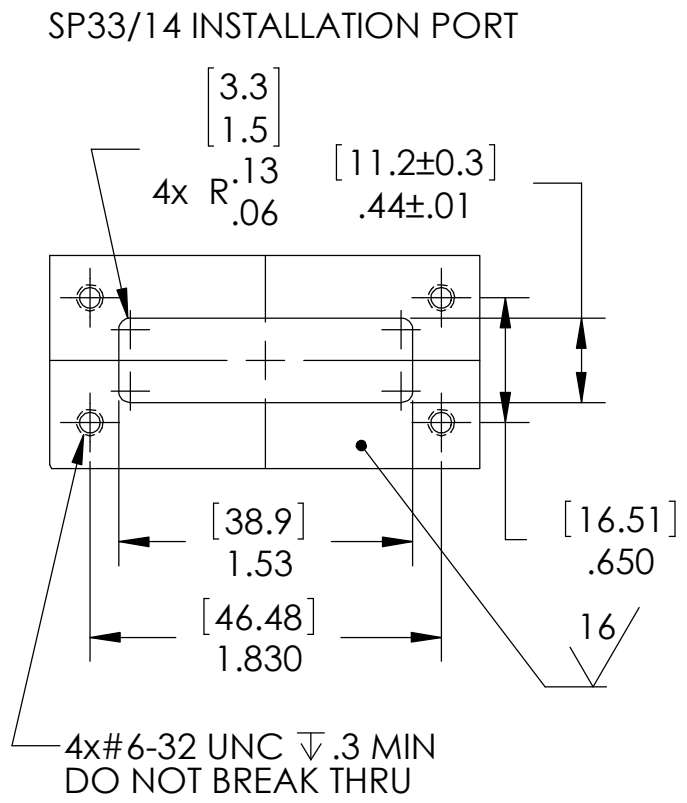
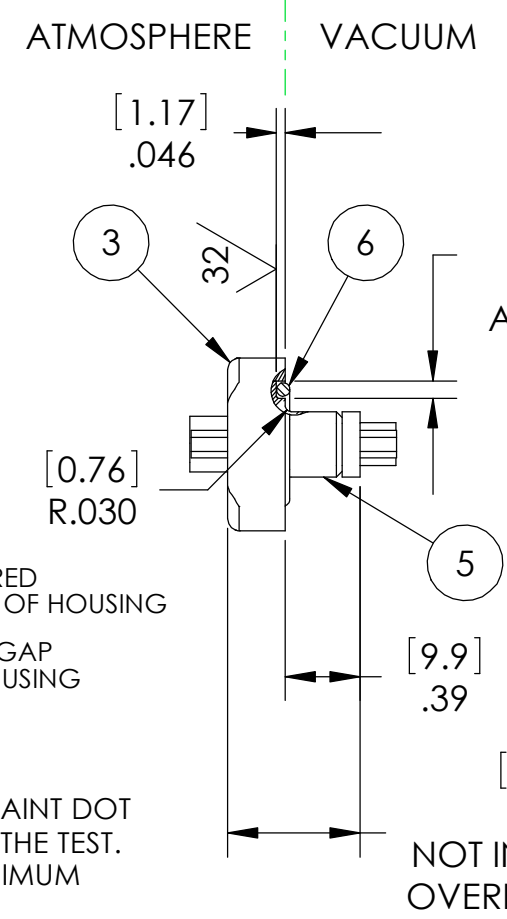
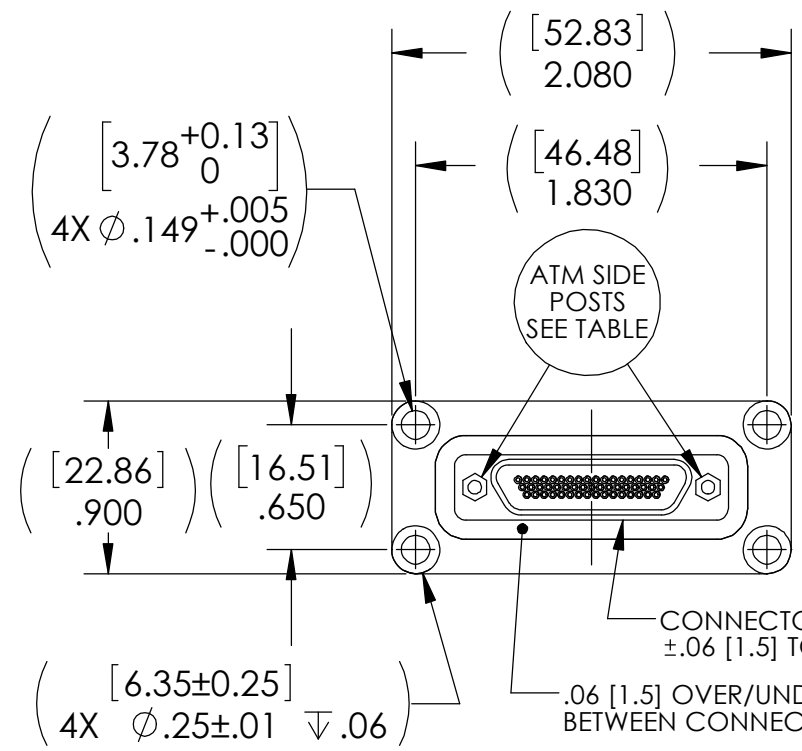
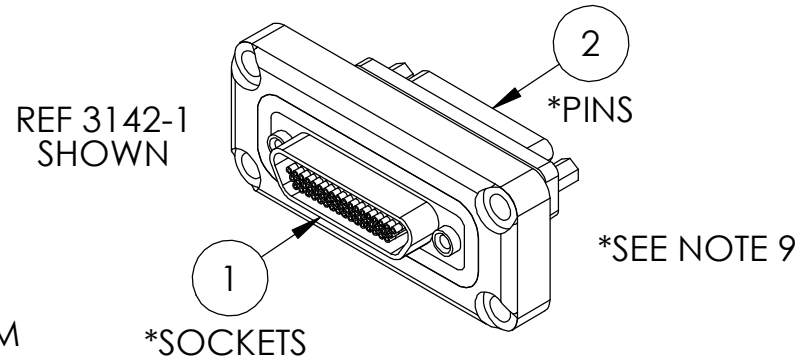


PAVE#	ITEM 6	ITEM 6 DESCRIPTION	TEMPERATURE	ATM SIDE POSTS
3142	-026 VITON	O-RING -026 VITON 75	-20 °C TO 125 °C	ITEM 4
3142-1	-026 VITON	O-RING -026 VITON 75	-20 °C TO 125 °C	ITEM 7
3142-2	-026 BUTYL	O-RING -026 BUTYL 70	-57 °C TO 120 °C	ITEM 4
3142-R	-026 VITON	O-RING -026 VITON 75	-20 °C TO 125 °C	ITEM 4



- NOTES:
- HE LEAK TEST @ 1 ATM. 1X10⁻⁷ CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
 - HYPOT 500 VDC 200 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND HOUSING WITH MATING CONNECTORS.
 - CONTINUITY TEST 0.5 OHMS MAXIMUM MATING CONNECTOR TO MATING CONNECTOR.
 - ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
 - ALL PARTS MUST PASS ALL TESTS.
 - 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
 - REF-OPERATING TEMPERATURE RANGE SEE TABLE.
 - DIMENSIONS ARE INCHES [millimeters].
 - 3142-R IS REVERSED WITH SOCKETS ON THE VACUUM SIDE & PINS ON THE ATMOSPHERE SIDE.
 - ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
 - 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
7	0 OR 2	4374	RECEIVER FEMALE .077DIA X .3 DP SS
6	1	-026 VITON	O-RING -026 VITON 75
5	A/R	PAVE-Seal 150	EPOXY BLACK
4	4 OR 2	JACKPOST 2-56	"P" STYLE 2-56 UNC
3	1	3174	HOUSING SP33/14-AL 6061 ELECTROLESS NICKEL PLATED
2	1	M8351303-G05N	CONNECTOR 51PIN MIL-C-83513
1	1	M83513/02-GN	CONNECTOR 51SOC MIL-C-83513

PAVE technology co.

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DESCRIPTION
SP33/14-AL-150-51-25-M83513

PART NUMBER *SEE TABLE & NOTE 9
3142*

MATERIAL NOTED
REVISION LEVEL K

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