



NOTES:

1. HE LEAK TEST @1 ATM 1X10⁻⁶ CC/SEC OR LESS. A GREEN PAINT DOT INDICATES PART HAS PASSED THE TEST.
2. HYPOT 1000 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN AND HOUSING WITH MATING CONNECTORS.
3. CONTINUITY TEST: <0.5 OHM PIN TO SOCKET WITH MATING CONNECTORS.
4. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. ALTERNATE CLOCKING (W, X, Y, OR Z) IS INDICATED BY APPENDING THE APPROPRIATE LETTER TO THE PAVE PART NUMBER AND ORDER CODE. THE SAME LETTER IS THEN ADDED TO ITEMS 2, 3, 7, & 8.
7. ADDING "NP" TO THE PAVE PART NUMBER AND ORDER CODE INDICATE THAT ITEMS 7 & 8 ARE NOT TO BE INCLUDED (NO PLUGS).
8. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:
 <= .5 [12.7] SEAL DIAMETER: ϕ .035 [.89] MAX ALLOWED VOID SIZE
 >= .5 [12.7] SEAL DIAMETER: ϕ .060 [1.5] MAX ALLOWED VOID SIZE
9. REF-OPERATING TEMPERATURE -20 °C TO 125 °C.
10. DIMENSIONS ARE INCHES [millimeters].
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.
12. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.

ITEM	QTY	PART NUMBER	DESCRIPTION
8	1	SC3106A22-14P	PLUG 19#16 PIN NICKEL PLATED ALUMINUM SHELL W/S/R SOLDER CUP CONTACTS
7	1	SC3106A22-14S	PLUG 19#16 SOC NICKEL PLATED ALUMINUM SHELL W/S/R SOLDER CUP CONTACTS
6	1	0199	NUT VS22-SS
5	1	-224 VITON	O-RING -224 VITON 75
4	1	SC3102A22-14S	RCPT 19#16 SOC NICKEL PLATED ALUMINUM SHELL
3	1	SC3102A22-14P	RCPT 19#16 PIN NICKEL PLATED ALUMINUM SHELL
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	4396	HOUSING VS22-SS

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DESCRIPTION
 VS22-SS-150-19-16-3102PS

PART NUMBER
2173

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