



**NOTES:**

1. HE LEAK TEST @ 1 ATM. 1X10<sup>-7</sup> CC/SEC OR LESS. A GREEN PAINT DOT INDICATES THE 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. 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. ADDING "NP" TO THE PAVE PART NUMBER AND ORDER CODE INDICATE 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:  $\phi$ .035 [.89] MAX ALLOWED VOID SIZE  
 > .5 [12.7] SEAL DIAMETER:  $\phi$ .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.

ITEM	QTY	PART NUMBER	DESCRIPTION
8	1	SC3106A18-1P	PLUG 10#16 PIN NICKEL PLATED ALUMINUM SHELL W/S/R NEOPRENE INSERT SOLDER CUP CONTACTS
7	1	SC3106A18-1S	PLUG 10#16 SOC NICKEL PLATED ALUMINUM SHELL W/S/R NEOPRENE INSERT SOLDER CUP CONTACTS
6	1	0199	NUT VS22-SS
5	1	-224 VITON	O-RING -224 VITON 75
4	1	SC3102A18-1S	RCPT 10#16 SOC NICKEL PLATED ALUMINUM SHELL NEOPRENE INSERT
3	1	SC3102A18-1P	RCPT 10#16 PIN NICKEL PLATED ALUMINUM SHELL NEOPRENE INSERT
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	4396	HOUSING VS22-SS

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DESCRIPTION  
VS22-SS-150-10-16-3102PS

PART NUMBER  
**1481**

MATERIAL NOTED

REVISION LEVEL  
D

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