



**NOTES:**

1. HE LEAK TEST @ 1 ATM. 1X10<sup>-7</sup> CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE 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. ITEMS 7 AND 8 ARE INCLUDED (NOT SHOWN) UNLESS "NP" IS ADDED TO THE PAVE PART NUMBER AND DESCRIPTION.
6. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
7. ALL PARTS MUST PASS ALL TESTS.
8. 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
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.

8	SEE NOTE 5 1	SC3126F20-41S	PLUG 41#20 SOCKET NICKEL PLATED ALUMINUM SHELL & STRAIN RELIEF GOLD PLATED COPPER ALLOY CRIMP CONTACTS
7	SEE NOTE 5 1	SC3126F20-41P	PLUG 41#20 PIN NICKEL PLATED ALUMINUM SHELL & STRAIN RELIEF GOLD PLATED COPPER ALLOY CRIMP CONTACTS
6	1	0199	NUT VS22-SS (316SS)
5	1	-224 VITON	O-RING -224 VITON 75
4	1	SC3112E20-41S	RCPT 41#20 SOCKET NICKEL PLATED ALUMINUM SHELL GOLD PLATED COPPER ALLOY CONTACTS
3	1	SC3112E20-41P	RCPT 41#20 PIN NICKEL PLATED ALUMINUM SHELL GOLD PLATED COPPER ALLOY CONTACTS
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	4421	HOUSING VS22-SS
<b>ITEM</b>	<b>QTY</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>

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DESCRIPTION  
VS22-SS-150-41-20-3112PS

PART NUMBER \*SEE NOTE 5 MATERIAL NOTED  
**1691\***

REVISION LEVEL A PROJECTION

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES.  
 ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE: NONE ±0.5  
 XX DECIMAL ±0.1 X.XX DECIMAL ±0.02 X.XXX DECIMAL ±0.005  
 ANGLES ±1 DEGREE SURFACE FINISH 128 microinch RMS