



**NOTES:**

1. HE LEAK TEST @ 1 ATM. 1X10<sup>-8</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 CONNECTOR.
3. CONTINUITY TEST: <0.1 OHM PIN TO WIRE END.
4. CONNECTOR POSITION "A" IS NOT USED.
5. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
6. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
7. ALL PARTS MUST PASS ALL TESTS.
8. SOLDER CUP POSITIONING IS APPROXIMATE & VARIABLE.
9. COSMETIC SURFACE VOIDS SMALLER THAN  $\phi 0.035$  [0.89] ARE ACCEPTABLE.
10. REF-OPERATING TEMPERATURE -20°C TO 125°C.
11. DIMENSIONS ARE INCHES [millimeters].
12. 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           | 1          | SC3116F14-5S       | PLUG 5#16 GOLD PLATED COPPER ALLOY SOCKETS W/ SOLDER CUP NICKEL PLATED ALUMINUM SHELL W/ STRAIN RELIEF |
| 7           | 1          | 1014               | NUT VS18-SS  |
| 6           | 1          | -219 VITON         | O-RING -219 VITON 75   |
| 5           | 4          | HTTG-1CU-614S      | WIRE 14HTTG 41/#30 7% NICKEL PLATED COPPER PFA/GLASS 600V  |
| 4           | 4          | 1608-25            | SCREW 4-40 X .25 BH SOC SS   |
| 3           | 1          | SC3112E14-5P       | RCPT 5#16 GOLD PLATED COPPER ALLOY PINS, NEOPRENE INSERT, NICKEL PLATED ALUMINUM SHELL                 |
| 2           | A/R        | PAVE-Seal 150      | EPOXY BLACK  |
| 1           | 1          | 3324               | HOUSING VS18-SS  |
| <b>ITEM</b> | <b>QTY</b> | <b>PART NUMBER</b> | <b>DESCRIPTION</b>   |

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DESCRIPTION  
VS18-SS-150-4-HTTG14-3112P-240

|                            |                   |
|----------------------------|-------------------|
| PART NUMBER<br><b>5049</b> | MATERIAL<br>NOTED |
| REVISION LEVEL<br>A        | PROJECTION<br>    |

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