



NOTES:

1. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE HELIUM LEAK TEST:
 - a.) FOR ALL VERSIONS: HE LEAK TEST @ 1 ATM. 1×10^{-7} CC/SEC OR LESS.
 - b.) FOR A LOWER LEAK RATE OF 1×10^{-9} CC/SEC OR LESS, ADD "LL" TO THE PAVE PART NUMBER. (E.G. 1525LL, 1525-ELL, ETC.)
 - c.) FOR 1525-TRI-C ONLY: ADDITIONAL LEAK TEST 80 PSI, NO BUBBLES 30 SECONDS MINIMUM USING A BUNA GASKET (NOT SUPPLIED). AN ADDITIONAL GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THIS TEST.
2. HYPOT 1000 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN AND HOUSING WITH MATING CONNECTORS.
3. CONTINUITY TEST <1.0 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. ALTERNATE CLOCKING IS INDICATED BY ADDING AN "A", "B", "C", "D", OR "E" TO THE END OF THE PAVE PART NUMBER AND DESCRIPTION. THIS ALSO CHANGES THE "N" AT THE END OF THE PART# OF ITEMS 3, 4, 8, & 9 TO THE SAME CLOCKING LETTER.
8. ITEMS 8, 9, & 10 ARE INCLUDED UNLESS "NP" IS ADDED TO THE PAVE PART NUMBER AND DESCRIPTION (NO PLUGS).
9. REF-OPERATING TEMPERATURE RANGE -40°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.

11	1	5453	*1525-TRI-C ONLY	FLANGE TRI-CLAMP 2.5" (3.05" OD) 316SS VS18 ADAPTER
10	2	M85049-38-15N	*SEE NOTE 8	STRAIN RELIEF 38999 SHELL 15 NICKEL PLATED ALUMINUM
9	1	26FD53PN	*SEE NOTES 7 & 8	PLUG 37#22 PIN NICKEL PLATED ALUMINUM SHELL GOLD PLATED COPPER ALLOY CRIMP CONTACTS
8	1	26FD35SN	*SEE NOTES 7 & 8	PLUG 37#22 SOCKET NICKEL PLATED ALUMINUM SHELL GOLD PLATED COPPER ALLOY CRIMP CONTACTS
7	1	1014		NUT VS18-SS
6	1	-219 VITON LT		O-RING -219 VITON 75 LOW TEMP
5	4	1608-25		SCREW 4-40 X .25 BH SOC SS
4	1	20FD35SN	*SEE NOTE 7	RCPT 37#22 SOCKET NICKEL PLATED ALUMINUM SHELL GOLD PLATED COPPER ALLOY CONTACTS
3	1	20FD35PN	*SEE NOTE 7	RCPT 37#22 PIN NICKEL PLATED ALUMINUM SHELL GOLD PLATED COPPER ALLOY CONTACTS
2	A/R	PAVE-Seal 150		EPOXY BLACK
1	1	3389		HOUSING VS18-SS
ITEM	QTY	PART NUMBER		DESCRIPTION

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DESCRIPTION
VS18-SS-150-37-22-99920PS

PART NUMBER
1525

MATERIAL NOTED

REVISION LEVEL
L

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