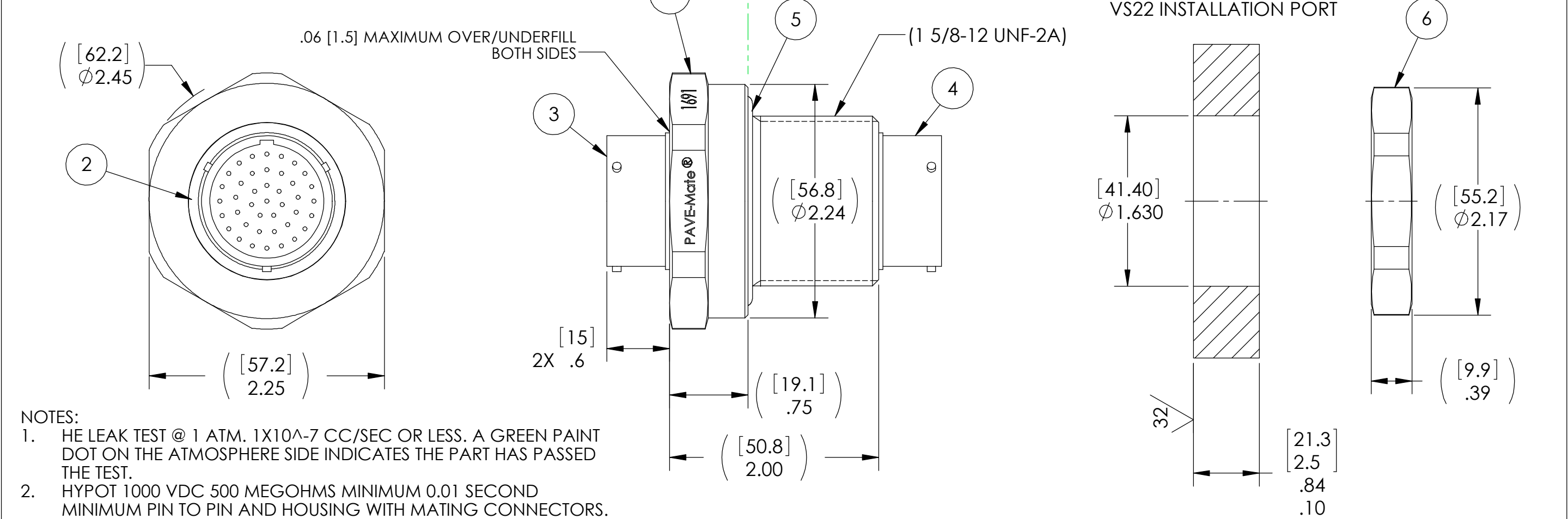


PAVE#	ITEM 5	ITEM 5 DESCRIPTION	TEMPERATURE RANGE
1691	-224 VITON	O-RING -224 VITON 75	-20 °C TO 125 °C
1691NP	-224 VITON	O-RING -224 VITON 75	-20 °C TO 125 °C
1691-1	-224 EPDM	O-RING -224 EPDM 70	-51 °C TO 121 °C



NOTES:

- HE LEAK TEST @ 1 ATM. 1X10⁻⁷ CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST.
- HYPOT 1000 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN AND HOUSING WITH MATING CONNECTORS.
- CONTINUITY TEST <0.5 OHM PIN TO SOCKET WITH MATING CONNECTORS.
- ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
- ITEMS 7 AND 8 ARE INCLUDED BUT NOT SHOWN UNLESS "NP" IS ADDED TO THE PAVE PART NUMBER AND DESCRIPTION. I.E., 1691NP, VS22-SS-150-41-20-3112PS(NP)
- ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
- ALL PARTS MUST PASS ALL TESTS.
- 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
- REF-OPERATING TEMPERATURE RANGE SEE TABLE.
- DIMENSIONS ARE INCHES [millimeters].
- 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.
- 1691-1 ONLY: INCLUDES ITEM 9 (ENVIRONMENTAL BACKSHELLS) TO BE INSTALLED IN PLACE OF STRAIN RELIEFS FOR ITEMS 7 & 8.

9	SEE NOTE 12 2	M85049/11-36N	BACKSHELL ENVIRONMENTAL SHELL SIZE 20 NICKEL PLATED ALUMINUM STRAIGHT
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	SEE TABLE	SEE TABLE
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
ITEM	QTY	PART NUMBER	DESCRIPTION

2751 Thunderhawk Court
Dayton, OH 45414-3445
U.S.A.
tel (937) 890-1100
fax (937) 8905165
www.pavetechnologyco.com

DESCRIPTION

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

PART NUMBER

1691*

*SEE TABLE & NOTES 5 & 12

MATERIAL

NOTED

REVISION LEVEL

C

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