



NOTES:

1. HE LEAK TEST @ 1ATM 1X10⁻⁶ CC/SEC OR LESS. A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST.
2. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
3. HYPOT 1000 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN AND HOUSING WITH MATING CONNECTORS.
4. CONTINUITY TEST <0.5 OHMS PIN TO SOCKET WITH MATING CONNECTORS.
5. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
6. ALL PARTS MUST PASS ALL TESTS.
7. ITEM 1 (HOUSING) SHALL BE MARKED WITH A UNIQUE 6 DIGIT SERIAL NUMBER MMYXX (MONTH/YEAR/PART NUMBER).
8. ADDING "NP" TO THE PART NUMBER AND ORDER CODE INDICATES THAT ITEMS 8, 9, & 10 ARE NOT TO BE INCLUDED (NO PLUGS).
9. REF-OPERATING TEMPERATURE RANGE -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
10	2	620MS064M14 (SEE NOTE 8)	STRAIN RELIEF MM80 SHELL SIZE 17 ELECTROLESS NICKEL PLATED ALUMINUM
9	1	80100816M177SA (SEE NOTE 8)	PLUG MM801 7#12 SOC ELECTROLESS NICKEL PLATED ALUMINUM SHELL GOLD PLATED COPPER ALLOY/SS HOOD CONTACTS
8	1	80100816M177PA (SEE NOTES 8)	PLUG MM801 7#12 PIN ELECTROLESS NICKEL PLATED ALUMINUM SHELL GOLD PLATED COPPER ALLOY CONTACTS
7	1	1014	NUT VS18-SS
6	4	4-40X.25BHCSMTR	SCREW BUTTON HEAD #4-40X.25-316SS CMTR
5	1	-219 VITON	O-RING -219 VITON 75
4	1	80101001M177SA	RCPT MM801 7#12 SOC ELECTROLESS NICKEL PLATED ALUMINUM SHELL GOLD PLATED COPPER ALLOY/SS HOOD CONTACTS
3	1	80101002M177PA	RCPT MM801 7#12 PIN ELECTROLESS NICKEL PLATED ALUMINUM SHELL GOLD PLATED COPPER ALLOY CONTACTS
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	4701	HOUSING VS18-SS
ITEM	QTY	PART NUMBER	DESCRIPTION

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DESCRIPTION: VS18-SS-150-7-12-MM801PS* *SEE NOTE 8

PART NUMBER *SEE NOTE 8: **4694*** MATERIAL: NOTED

REVISION LEVEL: A 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