



NOTES:

1. HE LEAK TEST @ 1 ATM. 1X10<sup>-7</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 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. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
6. ALL PARTS MUST PASS ALL TESTS.
7. 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
8. REF-OPERATING TEMPERATURE -20°C TO 125°C.
9. DIMENSIONS ARE INCHES [millimeters].
10. 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. 1837-NW40 ONLY: SHIPS INSTALLED AND LEAK TESTED, PER NOTE 1, IN ITEM 10 (NW40 ADAPTER) AND DOES NOT INCLUDE ITEM 6 (JAM NUT). THE MATING NW40 CONNECTION MUST HAVE A MINIMUM ID OF Ø 1.32 [33.5] FOR PLUG CLEARANCE.

ITEM	QTY	PART NUMBER	DESCRIPTION
10	1* SEE NOTE 11	5134	HOUSING NW40 VS18 ADAPTER
9	2	M85049/52-1-16N	STRAIN RELIEF CLAMP SHELL SIZE 16, STRAIGHT, NON SELF-LOCKING, NICKEL PLATED ALUMINUM
8	1	AE776L16-8P513	PLUG 8#16 GOLD PLATED COPPER ALLOY CRIMP PINS, EPOXY INSERT, NICKEL PLATED ALUMINUM SHELL
7	1	MS3476L16-8S	PLUG 8#16 GOLD PLATED COPPER ALLOY CRIMP SOCKETS, RIGID DIELECTRIC INSERT, SILICONE GROMMET, NICKEL PLATED ALUMINUM SHELL
6	1	1014	NUT VS18-SS
5	1	-219 VITON	O-RING -219 VITON 75
4	1	AE771L16-8S460	RCPT 8#16 GOLD PLATED COPPER ALLOY SOCKETS, EPOXY INSERT, NICKEL PLATED ALUMINUM SHELL
3	1	SC3112E16-8P	RCPT 8#16 GOLD PLATED COPPER ALLOY PINS, NEOPRENE INSERT, NICKEL PLATED ALUMINUM SHELL
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	3207	HOUSING VS18-SS

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

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DESCRIPTION  
VS18-SS-150-8-16-3112PS

PART NUMBER  
**1837**

MATERIAL NOTED

REVISION LEVEL  
H

PROJECTION