



- NOTES:
1. HE LEAK TEST @ 1 ATM.  $1 \times 10^{-7}$  CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE 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. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
  5. ALL PARTS MUST PASS ALL TESTS.
  6. COSMETIC SURFACE VOIDS NOT ON O-RING SEALING SURFACES ARE ACCEPTABLE BASED ON THE SEAL'S DIAMETER:  
 <= .5 [12.7] SEAL DIAMETER:  $\phi$ .035 [.89] MAX ALLOWED VOID SIZE  
 > .5 [12.7] SEAL DIAMETER:  $\phi$ .060 [1.5] MAX ALLOWED VOID SIZE
  7. 1855-R IS REVERSED WITH SOCKETS ON THE HEX/ATMOSPHERE SIDE AND PINS ON THE THREAD/VACUUM SIDE.
  8. REF-OPERATING TEMPERATURE RANGE -60°C TO 120°C.
  9. 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.
  10. DIMENSIONS ARE INCHES [millimeters].
  11. FOR 1855X AND 1855Y, ITEM 9 IS NOT INCLUDED AS ITEMS 4 AND 5 EACH INCLUDE A STRAIN RELIEF.
  12. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.

PART #	DESCRIPTION	ITEM #2	ITEM #3	ITEM #4	ITEM #5
1855Y	VS22-SS-150-4-12-3102PSY	SCP02PM18-10PY	SCP02PM18-10SY	SCP06DM18-10PY	SCP06DM18-10SY
1855X	VS22-SS-150-4-12-3102PSX	SCP02PM18-10PX	SCP02PM18-10SX	SCP06DM18-10PX	SCP06DM18-10SX
1855-R	VS22-SS-150-4-12-3102SP	SC3102A18-10S	SC3102A18-10P	SC3106A18-10S	SC3106A18-10P
1855	VS22-SS-150-4-12-3102PS	SC3102A18-10P	SC3102A18-10S	SC3106A18-10P	SC3106A18-10S

ITEM	QTY	PART #	DESCRIPTION
9	2	MS3057-10AN* <small>*SEE NOTE 11</small>	STRAIN RELIEF 5015 SHELL SIZE 18 NICKEL PLATED ALUMINUM STRAIGHT W/CLAMP
8	1	0199	NUT VS22-SS (316SS)
7	A/R	PAVE-Seal 150	EPOXY BLACK
6	1	-224 BUTYL	O-RING -224 BUTYL 75
5	1	SEE TABLE	PLUG 4#12 SOC ELECTROLESS NICKEL PLATED ALUMINUM SHELL SOLDER CUP
4	1	SEE TABLE	PLUG 4#12 PIN ELECTROLESS NICKEL PLATED ALUMINUM SHELL SOLDER CUP
3	1	SEE TABLE	RCPT 4#12 SOC ELECTROLESS NICKEL PLATED ALUMINUM SHELL
2	1	SEE TABLE	RCPT 4#12 PIN ELECTROLESS NICKEL PLATED ALUMINUM SHELL
1	1	0189/304SS	HOUSING VS22-SS

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

DESCRIPTION: SEE TABLE

PART NUMBER: **1855**

MATERIAL: NOTED

REVISION LEVEL: K

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