



NOTES:

1. HE LEAK TEST @ 1 ATM 1X10⁻⁷ 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 & HOUSING WITH MATING CONNECTORS.
3. CONTINUITY TEST <0.5 OHM PIN TO SOCKET WITH MATING CONNECTORS.
4. ALL TEST ARE PERFORMED AT ROOM TEMPTERATURE.
5. ALL PARTS MUST PASS ALL TESTS.
6. ALTERNATE CLOCKING (W, X, Y, OR Z) IS INDICATED BY APPENDING THE APPROPRIATE LETTER TO THE PART NUMBER AND TO THE PAVE ORDER CODE. THE SAME LETTER IS THEN ADDED TO ITEMS 1, 2, 7 & 8 (E.G., FOR AN X CLOCK 1656* USE "1656X" & ITEM 1 IS SC3112E12-10PX)
7. ADDED "NP" TO PART NUMBER & ORDER CODE INDICATED THAT ITEMS 7, 8, & 9 ARE NOT TO BE INCLUDED.
8. ADDING "HP" TO PART NUMBER AND ORDER CODE INDICATES A 1000PSI PRESSURE TEST HEX SIDE, 30 SECONDS NO BUBBLES.
9. PART 1656R HAS ITEM# 2 (SOCKETS) ON ATMOSPHERE SIDE AND ITEM# 3 (PINS) ON VACUUM SIDE.
10. REF-OPERATING TEMPERATURE RANGE -20°C TO 125°C.
11. 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 0.060 [1.5] MAX ALLOWED VOID SIZE
12. DIMENSIONS ARE INCHES [millimeters].
13. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.

ITEM	QTY	PART NUMBER	DESCRIPTION
9	2	M85049/52-1-12N	STRAIN RELIEF FOR MS3476L12-10 P&S
8	1	MS3476L12-10S	PLUG 10#20 GOLD PLATED COPPER ALLOY CRIMP SOCKETS, RIGID DIELECTRIC INSERT, SILICONE GROMMET, NICKEL PLATED ALUMINUM SHELL
7	1	AE776L12-10P513	PLUG 10#20 GOLD PLATED COPPER ALLOY CRIMP PINS, EPOXY INSERT, NICKEL PLATED ALUMINUM SHELL
6	1	0183	NUT VS15-SS
5	1	-215 VITON	O-RING -215 VITON 75
4	A/R	PAVE-Seal 150	EPOXY BLACK
3	1	SC3112E12-10P	RCPT 10#20 GOLD PLATED COPPER ALLOY PINS, NEOPRENE INSERT, NICKEL PLATED ALUMINUM SHELL
2	1	AE771L12-10S460	RCPT 10#20 GOLD PLATED COPPER ALLOY SOCKETS, EPOXY INSERT, NICKEL PLATED ALUMINUM SHELL
1	1	0161	HOUSING VS15L-SS

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DESCRIPTION
VS15L-SS-150-10-20-3112PS

PART NUMBER
1656

MATERIAL NOTED

REVISION LEVEL
S

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