



NOTES:

1. LEAK TEST:
1669: HE LEAK TEST @1 ATM. 1×10^{-8} CC/S OR LESS.
1669-1: 655 PSI (45 BAR), NO N2 BUBBLES 30 SECONDS MINIMUM.
A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE LEAK TEST.
2. HYPOT 1000 VDC 500 MΩ 0.01 SEC MINIMUM, PIN TO PIN AND HOUSING WITH MATING CONNECTORS.
3. CONTINUITY TEST <1.0 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:
 $\leq .5$ [12.7] SEAL DIAMETER: $\phi .035$ [.89] MAX ALLOWED VOID SIZE
 $> .5$ [12.7] SEAL DIAMETER: $\phi .060$ [1.5] MAX ALLOWED VOID SIZE
8. ADDING "NP" TO THE PAVE PART NUMBER AND ORDER CODE INDICATES THAT ITEMS 7, 8, & 9 ARE NOT 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.

9	2	MS3057-24AN SEE NOTE 8	STRAIN RELIEF FOR SC3106A36-10
8	1	PV3106A36-10P SEE NOTE 8	RCPT 48#16 PIN NICKEL PLATED ALUMINUM SHELL, BLUE DIALLYL PHTHALATE INSERT
7	1	SC3106A36-10S SEE NOTE 8	PLUG 48#16 SOC ELECTROLESS NICKEL PLATED ALUMINUM SHELL, BLUE DIALLYL PHTHALATE OR BLACK NEOPRENE INSERT
6	1	-231 VITON	O-RING -231 VITON 75
5	A/R	PAVE-Seal 150	EPOXY BLACK
4	1	PV3102A36-10S	RCPT 48#16 SOC NICKEL PLATED ALUMINUM SHELL, BLUE DIALLYL PHTHALATE INSERT
3	1	SC3102A36-10P	RCPT 48#16 PIN ELECTROLESS NICKEL PLATED ALUMINUM SHELL, BLUE DIALLYL PHTHALATE OR BLACK NEOPRENE INSERT
2	1	0102	NUT VS32-SS
1	1	3368	HOUSING VS32-SS
ITEM	QTY	PART#	DESCRIPTION

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PAVE technology co.

DESCRIPTION PAVE-Mate® I Connectors
VS32-SS-150-48-16-3102PS

PART NUMBER *SEE NOTES 1 & 8
1669*

REVISION LEVEL F
PROJECTION

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES
ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE: NONE +/-0.5
.X DECIMAL +/- 0.1 .XX DECIMAL +/- 0.02 .XXX DECIMAL +/-0.005
ANGLES +/- 1 DEG SURFACE FINISH 128 microinch RMS