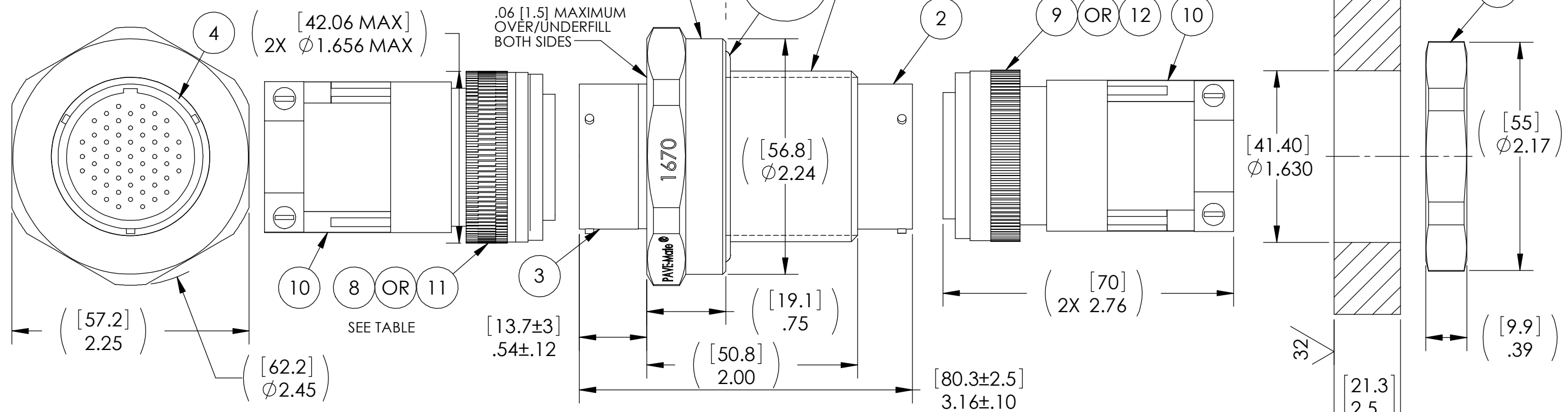


PART #	O-RING ITEM #	TEMPERATURE RANGE	SOCKET PLUG ITEM #	PIN PLUG ITEM #	STRAIN RELIEF ITEM #
1670	5	-40 TO 125°C	8	9	10
1670-1	6	-60 TO 121°C	8	9	10
1670SC	5	-40 TO 125°C	11	12	INCLUDED W/PLUGS
1670EMI	5	-40 TO 125°C	8	9	NOT INCLUDED



NOTES:

- LEAK TESTING, ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING. A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST. TESTING PERFORMED AS FOLLOWS:
  - 1670: HE LEAK TEST @ 1 ATM. 1x10<sup>-8</sup> CC/S OR LESS.
  - 1670-1: LEAK TEST @ 80 PSI, NO BUBBLES 30 SECONDS MIN.
  - 1670SC: LEAK TEST @ 300 PSI, NO N<sub>2</sub> BUBBLES 30 SECONDS MIN.
  - 1670+PT: HE LEAK TEST @ 200 PSI, 1x10<sup>-4</sup> CC/S OR LESS.
- HYPOT 1000 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM PIN TO PIN AND HOUSING WITH MATING CONNECTORS.
- CONTINUITY TEST: <0.5 OHM PIN TO SOCKET WITH MATING CONNECTORS.
- ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
- ALL PARTS MUST PASS ALL TESTS.
- 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
- 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 2 & 3 AND ITEMS 8 & 9, OR ITEMS 11 & 12, IF INCLUDED (E.G.: SC311E22-55PX).
- ADDING "NP" TO PART NUMBER & ORDER CODE INDICATES THAT NONE OF ITEMS 8 THRU 12 ARE NOT INCLUDED (NO PLUGS).
- ADDING "EMI" TO PART NUMBER & ORDER CODE INDICATES AN ELECTRICAL CONNECTION BETWEEN THE SHELLS OF ITEMS 2 & 3. ITEM 10 IS NOT INCLUDED (NO STRAIN RELIEFS). SHELL CONTINUITY TEST: <0.5 OHM WITH MATING CONNECTORS.
- DIMENSIONS ARE INCHES [millimeters].
- 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
12	1	SCPT06F22-55P	SEE TABLE PLUG 55#20 GOLD PLATED COPPER ALLOY SOLDER CUP PINS, NEOPRENE INSERT, NICKEL PLATED ALUMINUM SHELL & STRAIN RELIEF
11	1	SCPT06F22-55S	SEE TABLE PLUG 55#20 GOLD PLATED COPPER ALLOY SOLDER CUP SOCKETS, NEOPRENE INSERT, NICKEL PLATED ALUMINUM SHELL & STRAIN RELIEF
10	2	M85049/52-1-22N	SEE TABLE STRAIN RELIEF CLAMP SHELL SIZE 22, STRAIGHT, NON SELF-LOCKING, NICKEL PLATED ALUMINUM
9	1	AE776L22-55P513	SEE TABLE PLUG 55#20 GOLD PLATED COPPER ALLOY CRIMP PINS, EPOXY INSERT, NICKEL PLATED ALUMINUM SHELL
8	1	MS3476L22-55S	SEE TABLE PLUG 55#20 GOLD PLATED COPPER ALLOY CRIMP SOCKETS, RIGID DIELECTRIC INSERT, SILICONE GROMMET, NICKEL PLATED ALUMINUM SHELL
7	1	0199	NUT VS22-SS (316SS)
6	1	-224 BUTYL	SEE TABLE O-RING -224 BUTYL 75
5	1	-224 VITON LT	SEE TABLE O-RING -224 VITON 75 LT
4	A/R	PAVE-Seal 150	EPOXY BLACK
3	1	SC311E22-55P	RCPT 55#20 GOLD PLATED COPPER ALLOY PINS, NEOPRENE INSERT, NICKEL PLATED ALUMINUM SHELL
2	1	AE771L22-55S460	RCPT 55#20 GOLD PLATED COPPER ALLOY SOCKETS, EPOXY INSERT, NICKEL PLATED ALUMINUM SHELL
1	1	3388	HOUSING VS22-SS

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DESCRIPTION  
VS22-SS-150-55-20-3112PS

PART NUMBER  
**1670**

MATERIAL NOTED  
REVISION LEVEL  
P

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