



NOTES:

1. HE LEAK TEST @ 1 ATM. 1×10^{-6} CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE INDICATES THE PART HAS PASSED THE TEST. TEST CERTIFICATIONS FOR LOWER HELIUM LEAK RATES DOWN TO 10^{-10} CC/SEC RATE MAY BE AVAILABLE BY CONTACTING PAVE SALES ENGINEERING PRIOR TO ORDERING.
2. HYPOT 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM CONDUCTOR TO CONDUCTOR AND CONNECTOR FLANGES WITH MATING CONNECTORS.
3. CONTINUITY TEST <0.5 OHM PINS TO SOCKETS 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: ϕ .035 [.89] MAX ALLOWED VOID SIZE
 > .5 [12.7] SEAL DIAMETER: ϕ .060 [1.5] MAX ALLOWED VOID SIZE
8. REF-OPERATING TEMPERATURE RANGE -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.

7	1	-036 VITON	O-RING -036 VITON 75
6	4	JACKPOST 4-40	"P" STYLE 4-40 UNC
5	2	YARDLEY#440A5-8	THREADED INSERT SS 4-40 X .12
4	1	280-019S5H78Z1N	RCPT D-SUB HIGH DENSITY 78#22 SOC THERMOSET EPOXY INSULATOR, STAINLESS STEEL SHELL, GOLD PLATED COPPER ALLOY SOCKETS
3	1	280018P5H78Z1NN	PLUG D-SUB HIGH DENSITY 78#22 PINS THERMOSET EPOXY INSULATOR, STAINLESS STEEL SHELL, GOLD PLATED COPPER ALLOY PINS, FLUROSILICONE INTERFACIAL SEAL
2	A/R	PAVE-Seal 150	EPOXY BLACK
1	1	4182	PLATE TOP SS DSUB
ITEM	QTY	PART NUMBER	DESCRIPTION

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DESCRIPTION
SP58/16-E-150-78-22-DSUB-DSUB (IP67)

PART NUMBER
5529

MATERIAL NOTED

REVISION LEVEL
A

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