



PAVE#	ITEM 2	ITEM 2 DESCRIPTION	ITEM 3	ITEM 3 DESCRIPTION	(CONTACT RESISTANCE)
4663	DD50P-SS	PLUG D-SUB 50#20 PIN PCT UL 94V-0 INSULATOR, PASSIVATED SS SHELL, GOLD OVER NICKEL PLATED COPPER ALLOY PINS W/SOLDER CUPS	DD50S-SS	RCPT D-SUB 50#20 SOC PCT UL 94V-0 INSULATOR, PASSIVATED SS SHELL, GOLD OVER NICKEL PLATED COPPER ALLOY SOCKETS W/SOLDER CUPS	7.5 mOHMS MAX
4663-1	171-050-103L001	PLUG D-SUB 50 PIN PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED BRASS PINS W/SOLDER CUPS	171-050-203L001	RCPT D-SUB 50 SOCKET PBT INSULATOR, NICKEL PLATED STEEL SHELL, GOLD PLATED BRASS SOCKETS W/SOLDER CUPS	15 mOHMS MAX

NOTES:

1. HE LEAK TEST @ 1 ATM 1X10<sup>-8</sup> CC/SEC OR LESS. A GREEN PAINT DOT INDICATES THE PART HAS PASSED THE TEST.
2. ALCOHOL OR FOMBLIN YVAC 3 MAY BE USED TO LUBRICATE O-RINGS FOR VACUUM HELIUM LEAK TESTING.
3. HYPOT 1000 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE AND CONNECTOR FLANGES WITH MATING CONNECTORS.
4. CONTINUITY TEST <0.1 OHM PINS TO SOCKETS WITH MATING CONNECTORS.
5. REF-CONNECTOR CONTACT MAXIMUM RESISTANCE SEE TABLE.
6. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
7. ALL PARTS MUST PASS ALL TESTS.
8. NO COSMETIC SURFACE VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, COSMETIC SURFACE VOIDS SMALLER THAN Ø0.035 [0.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
9. DIMENSIONS ARE INCHES [millimeters].
10. REF-OPERATING TEMPERATURE -59°C TO 120°C.
11. ASSEMBLY SHIPS WITH MATING CONNECTORS (ITEMS 2 & 3), FASTENERS (ITEM 8), & A SPARE O-RING (ITEM 4) LOOSE.

8	4	4-40X.3125 SHCS	SCREW SHCS 4-40x.3125-SS
7	1	4753	PLATE TOP SS D-SUB 100 PIN
6	4	YARDLEY#440A5-8	THREADED INSERT SS 4-40 X .12
5	8	JACKPOST 4-40	"P" STYLE 4-40 UNC
4	1	-042 BUTYL	O-RING -042 BUTYL 75
3	4	SEE TABLE	SEE TABLE
2	4	SEE TABLE	SEE TABLE
1	A/R	PAVE-Seal 150	EPOXY BLACK
ITEM	QTY	PART NUMBER	DESCRIPTION

PAVE will meet the assembly and test specifications of the customer as documented on this assembly drawing. Any changes must be approved by PAVE.

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DESCRIPTION PAVE-Mate® I Connectors  
SP64/36-E-150-100-20-DSUB-DSUB

MATERIAL NOTED

PART NUMBER \*SEE TABLE

4663\*

REVISION LEVEL C

PROJECTION

FINISH

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