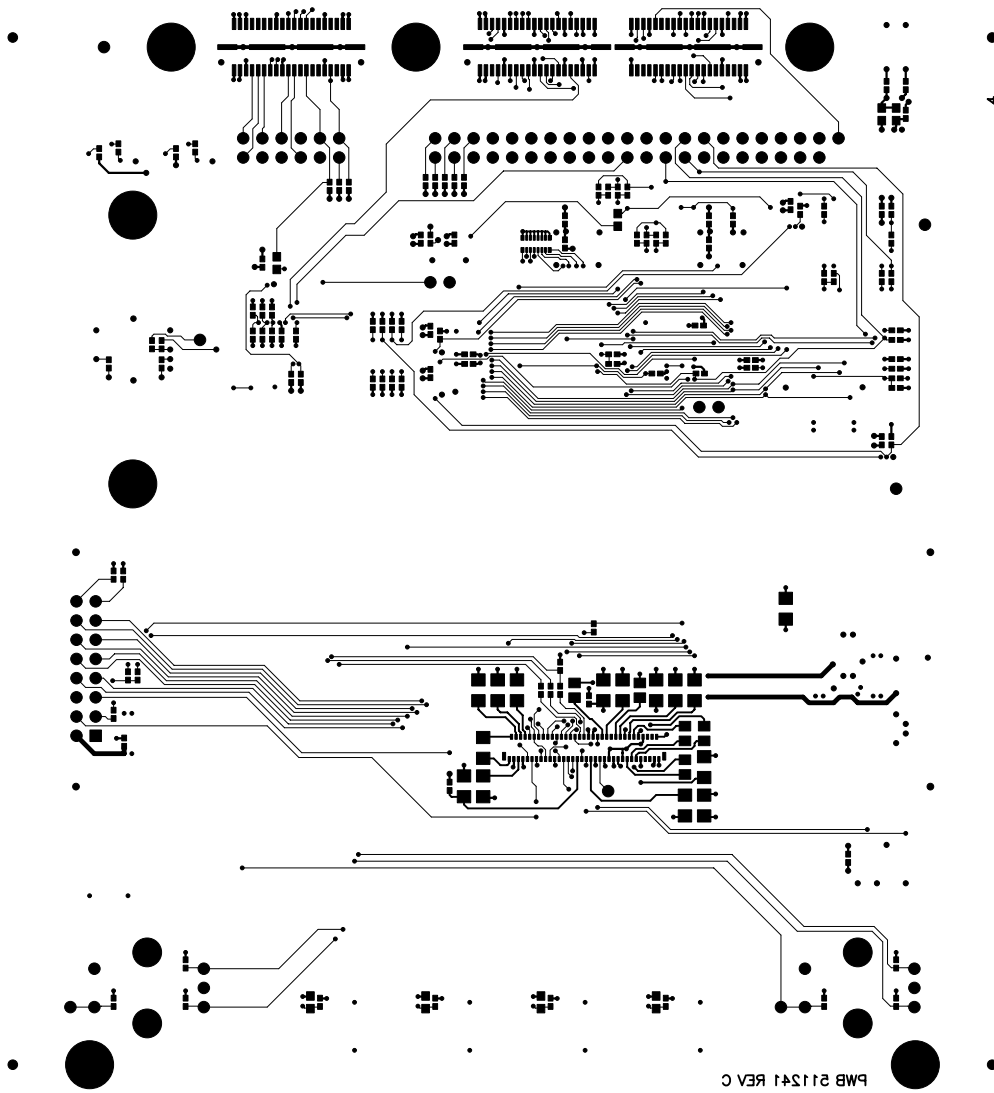


PWB 511241 REV C

S/N

ASSY 511240 REV

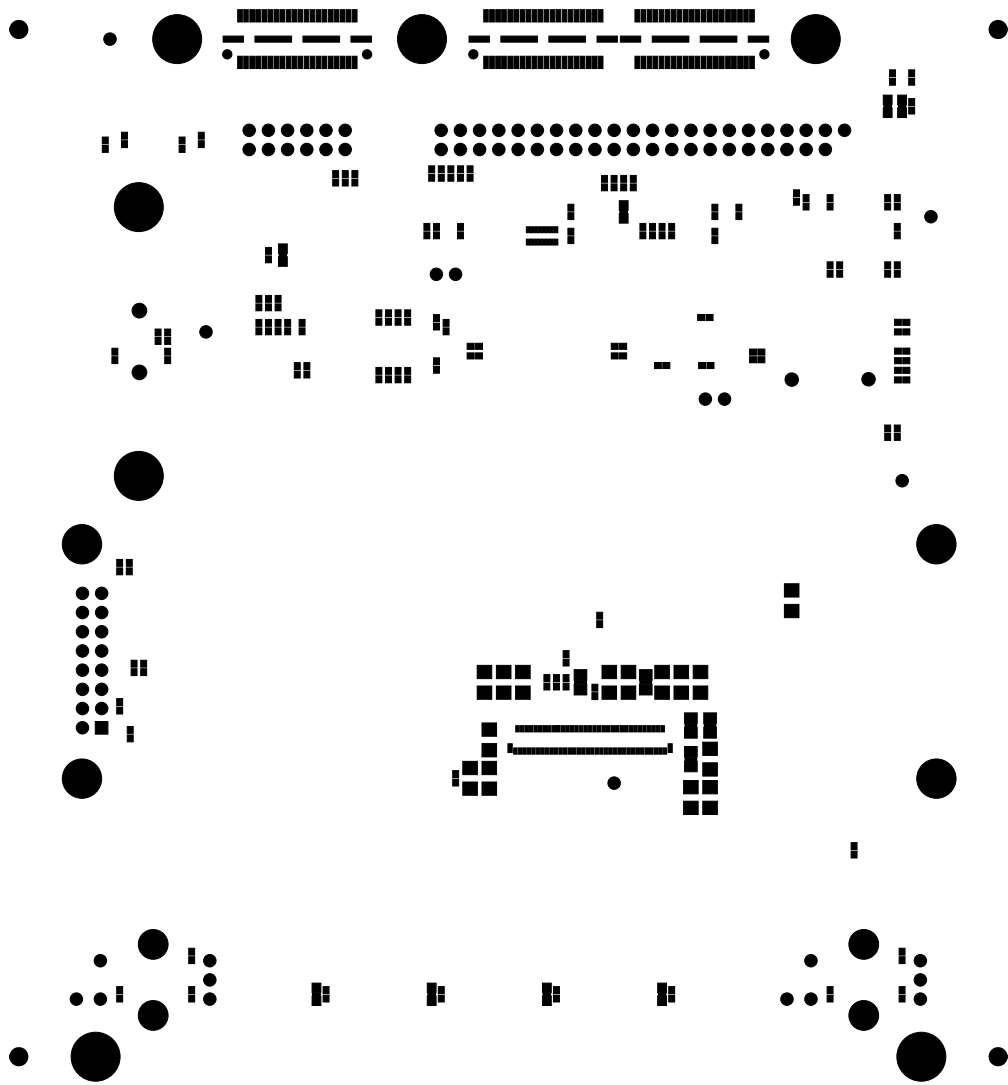


PWB 511241 REV C
9-30-08
BOTTOM SIDE - LAYER 4

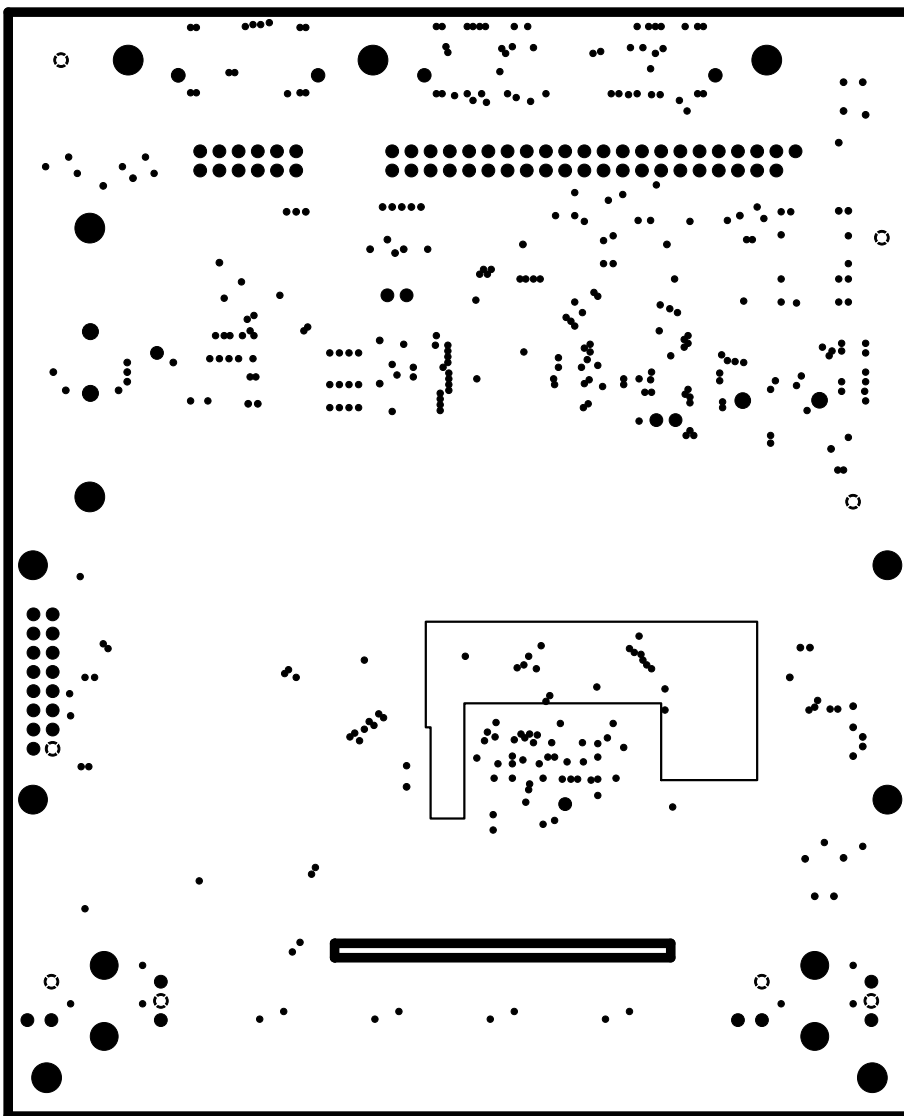
PWB 511241 REV C
 80-08
 BOTTOM SIDE SILKSCREEN

22Y 21340 REV

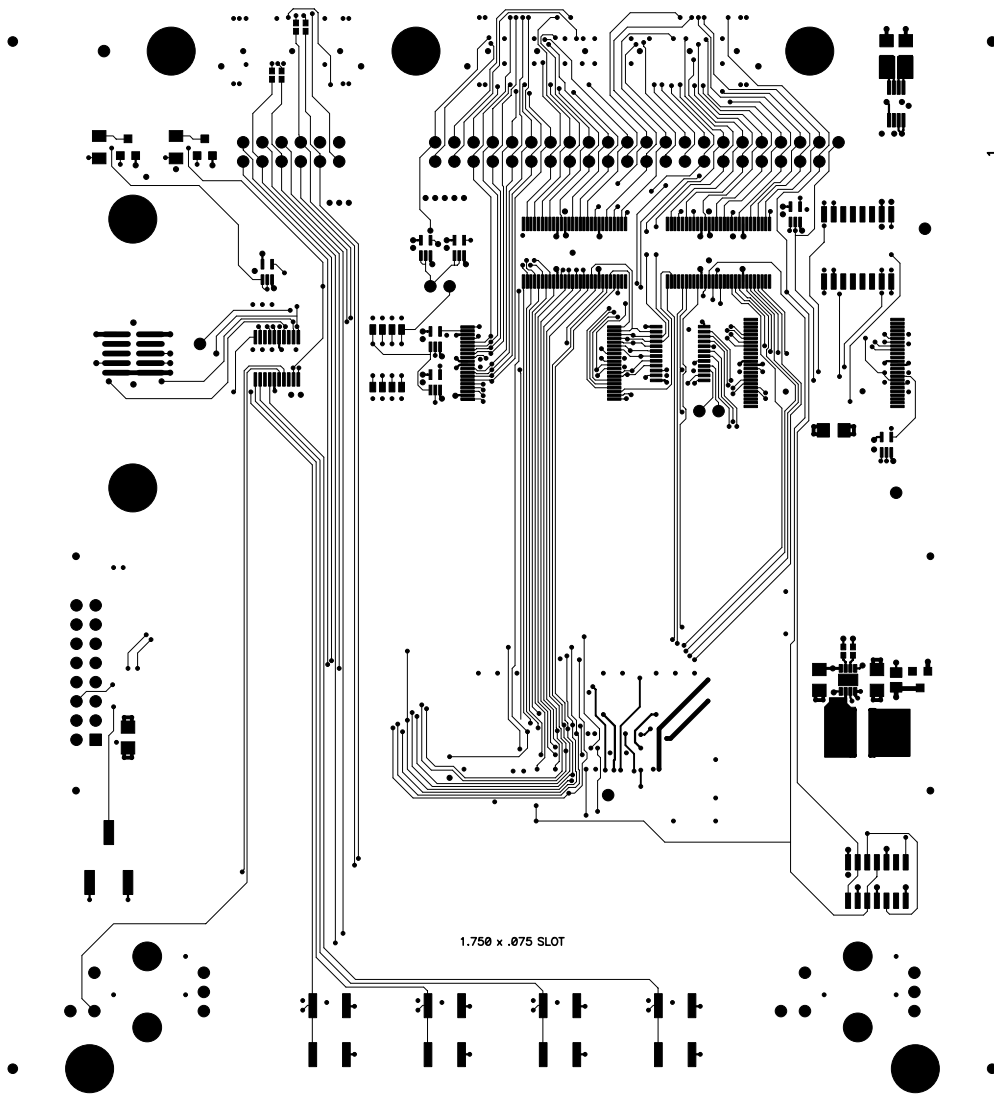




PWB 511241 REV C
9-30-08
BOTTOM SIDE SOLDERMASK

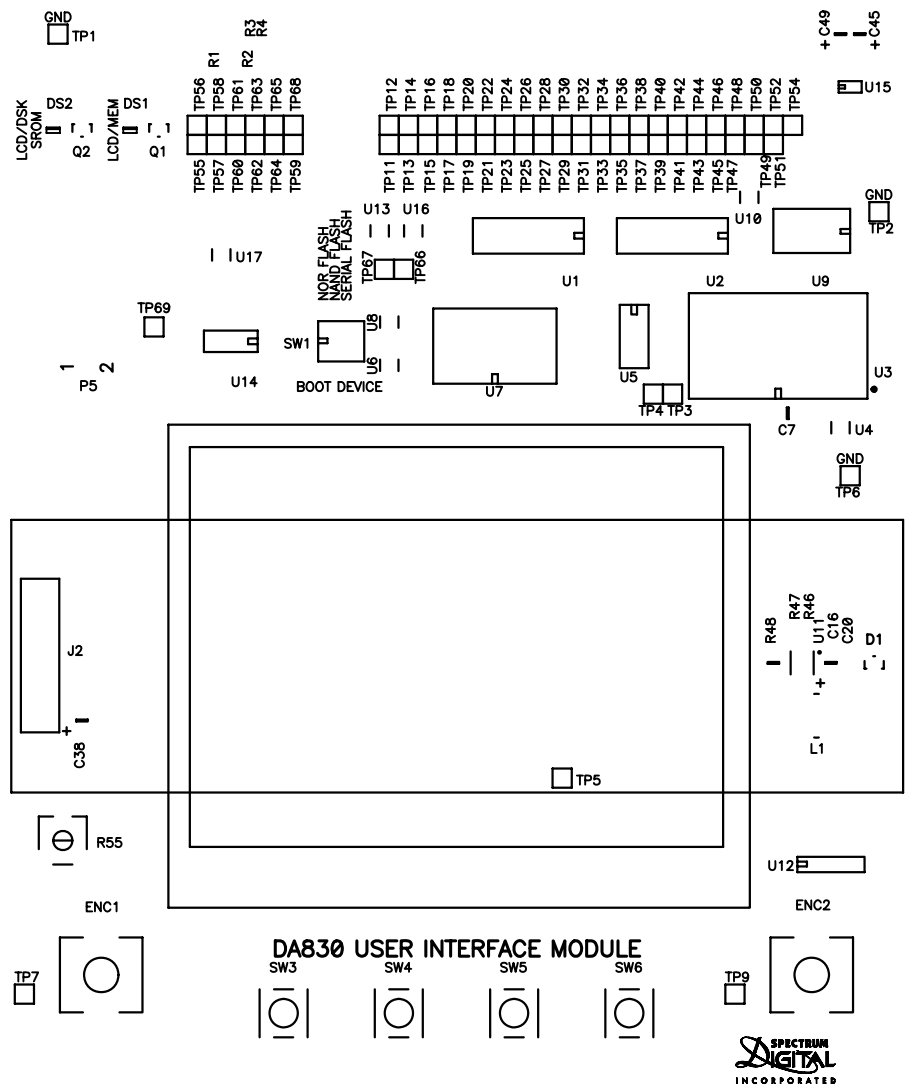


PWB 511241 REV C
9-30-08
GND PLANE - LAYER 2

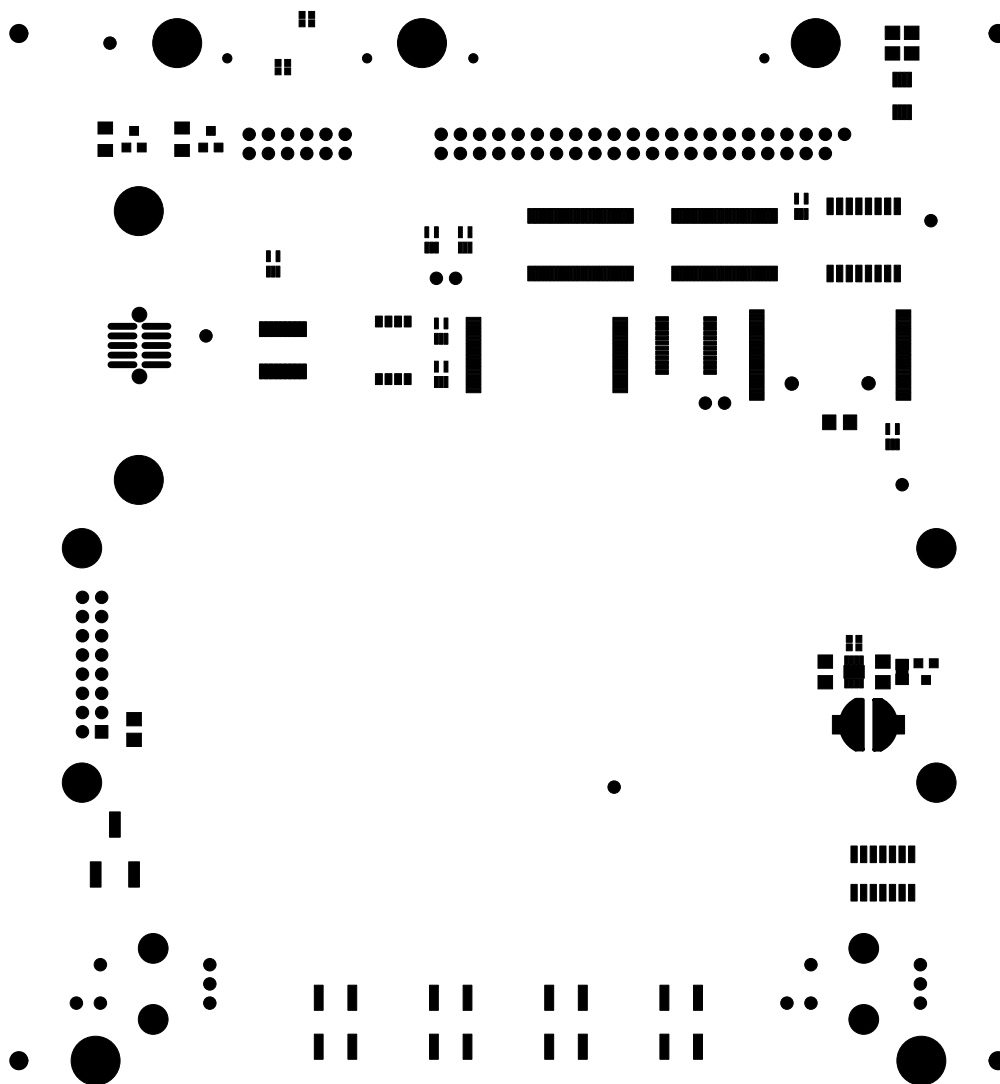


1.750 x .075 SLOT

PWB 511241 REV C
9-30-08
TOP SIDE - LAYER 1



PWB 511241 REV C
 9-30-08
 TOP SIDE SILKSCREEN



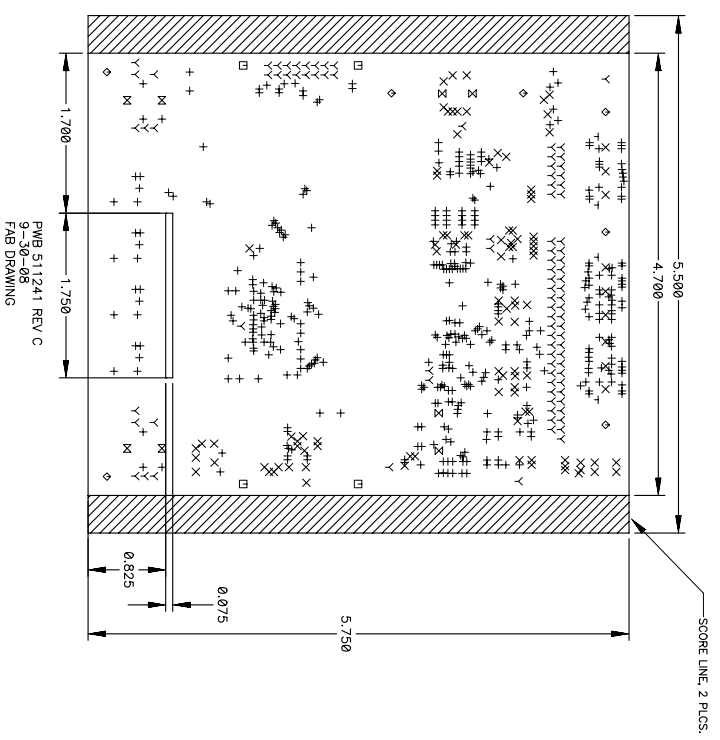
PWB 511241 REV C
9-30-08
TOP SIDE SOLDERMASK



PWB 511241 REV C
9-30-08
VCC PLANE - LAYER 3

NOTES: UNLESS OTHERWISE SPECIFIED

- 1 MATERIAL: HIGH TEMP FR4 (G>=170). THICKNESS: .062.
- 2 DIMENSIONS APPLY TO THE CENTER OF HOLES AND PADS.
- 3 MINIMUM COPPER WALL THICKNESS SHALL BE .001 FOR ALL PLATED THRU HOLES.
- 4 ALL ARTWORK VIEWED FROM COMPONENT SIDE ARE AFTER PLATING.
- 5 MAXIMUM ALLOWABLE LINE REDUCTION DUE TO PIN HOLES, NICKS AND LINE SHRINKAGE IS TO BE 20%.
- 6
- 7 INTERNAL AND EXTERNAL CORNERS TO BE .50 RADIUS MAX AT SHOP OPTION.
- 8 EDGE CONDUCTOR TABS ARE TO BE ELECTROPLATED TO A MINIMUM THICKNESS OF .0005 GOLD OVER A MINIMUM THICKNESS OF .0001 NICKEL.
- 9 SOLDER MASK SHALL BE LIQUID PHOTOIMAGEABLE MATTE FINISH WITH A THICKNESS NOT TO EXCEED 1.5 MILS AND SHALL BE APPLIED TO BOTH SIDES OF BOARD OVER BARE COPPER PER IPC-SM-840, CLASS 2.
- 10 SOLDER MASK COLOR: GREEN.
- 11 EXPOSED CONDUCTOR AREAS TO BE FINISHED WITH ELECTROLESS NICKEL THICKNESS .000250 MINIMUM PLUS IMMERSION GOLD THICKNESS .000205 MINIMUM.
- 12 SILKSCREEN WITH WHITE EPOXY BASED INK PER SILKSCREEN ARTWORK.
- 13 BOARD IS TO BE 100% ELECTRICALLY TESTED.
- 14 CONTROLLED IMPEDANCE OF 55 OHMS +/- 10 OHMS TO BE MATCHED ON ALL SIGNAL LAYERS ON 5 MIL TRACES.



PWB 511241 REV C
9-30-08
FAB DRAWING

Hole Dia (inch)	Symbol	Quantity	Plated
0.010	+	446	Yes
0.012	X	105	Yes
0.038	Y	92	Yes
0.041	T	4	No
0.053	Z	4	No
0.115	M	4	Yes
0.120	D	4	No
0.125	◇	7	Yes

NO.	DESCRIPTION	COPPER WT.
11	TOP SIDE	1/2 OZ
12	GND PLANE	1.0Z
13	VCC PLANE	1.0Z
14	BOTTOM SIDE	1/2 OZ

- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLES +/- .1°
- HOLE DIAMETER TOLERANCE UNLESS OTHERWISE NOTED IN DRILL TABLE
- ALL PLATED HOLES +/- .004
- ALL NON-PLATED HOLES +/- .003

DATE	9-30-08
DRW'N	OM KRAUSKOPF
CHK	
ENG'G	RON PETERSON
ENG'G	MGR
QA	
MFG	
RISE	
SCALE	NONE

SPECTRUM DIGITAL
INCORPORATED

PWB, PRIMUS USER I/F BOARD

DRAWING NO	511241
REV	C
SHEET	1 OF 1