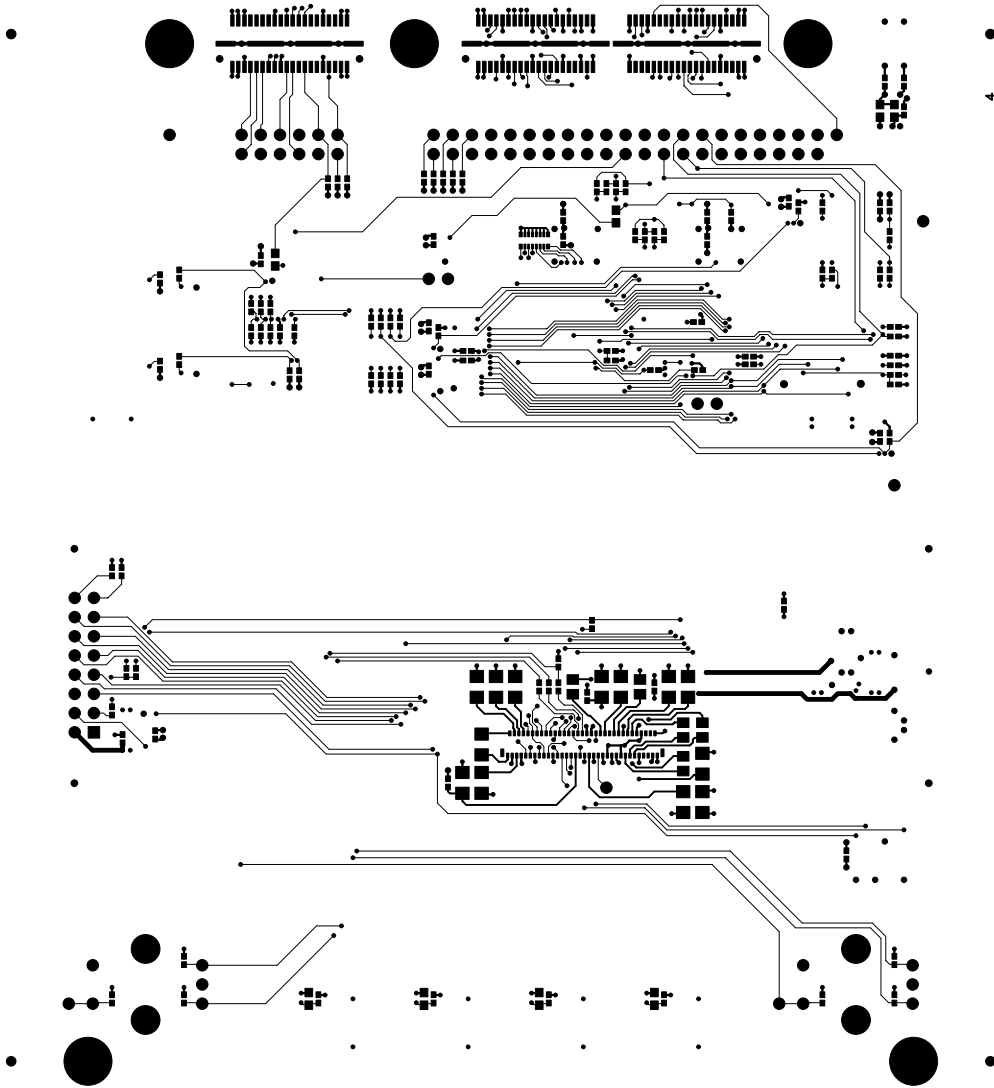
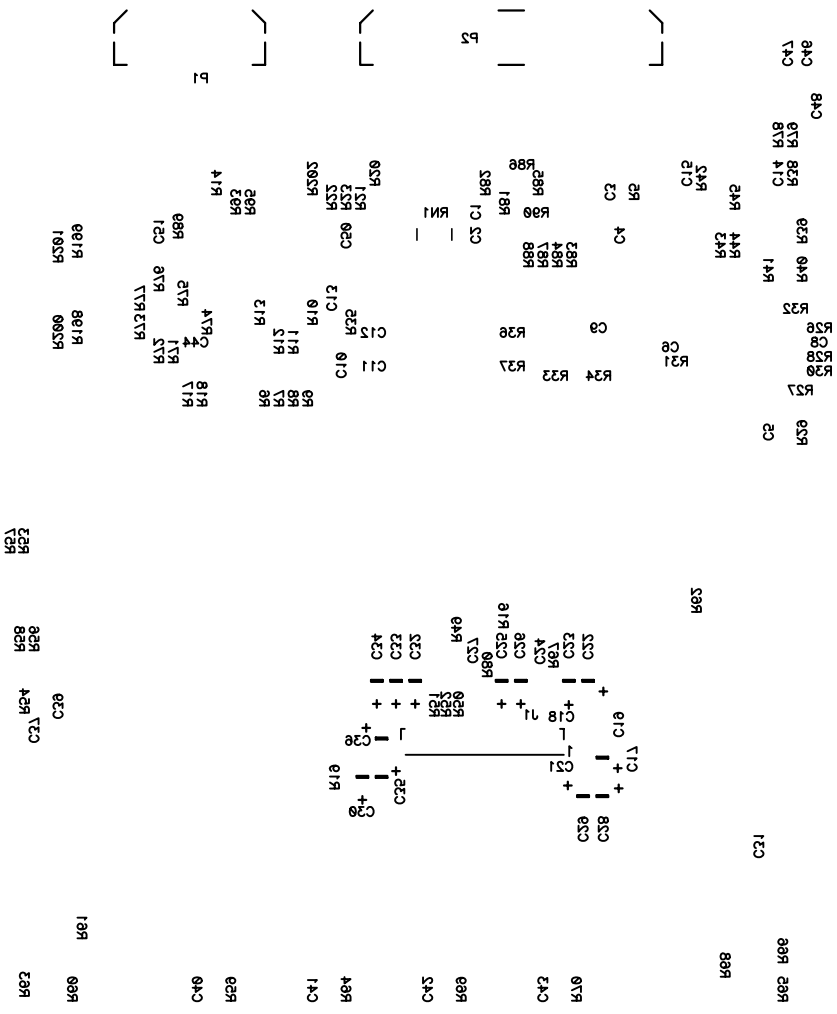


S/N [REDACTED]

ASSY 511240 REV [REDACTED]

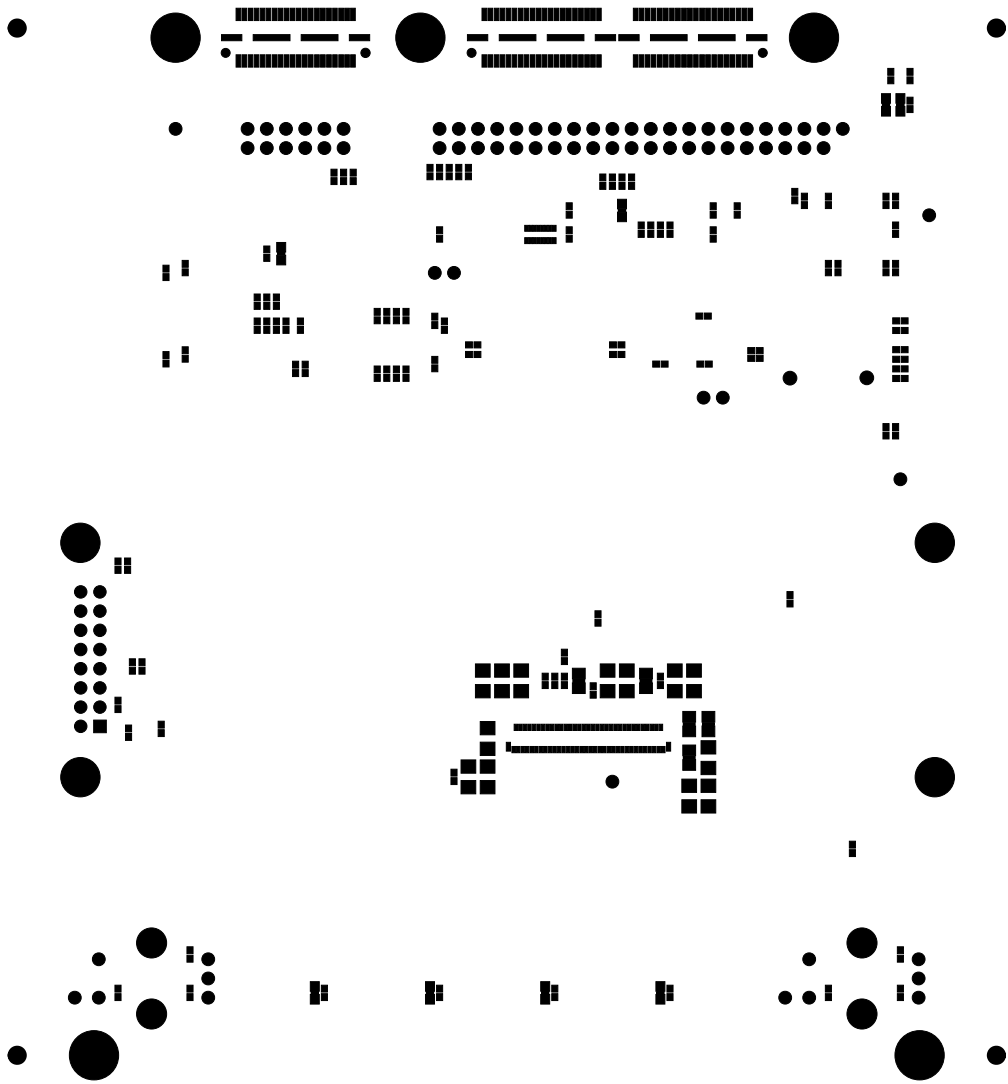


PWB 511241 REV A
8-6-08
BOTTOM SIDE - LAYER 4



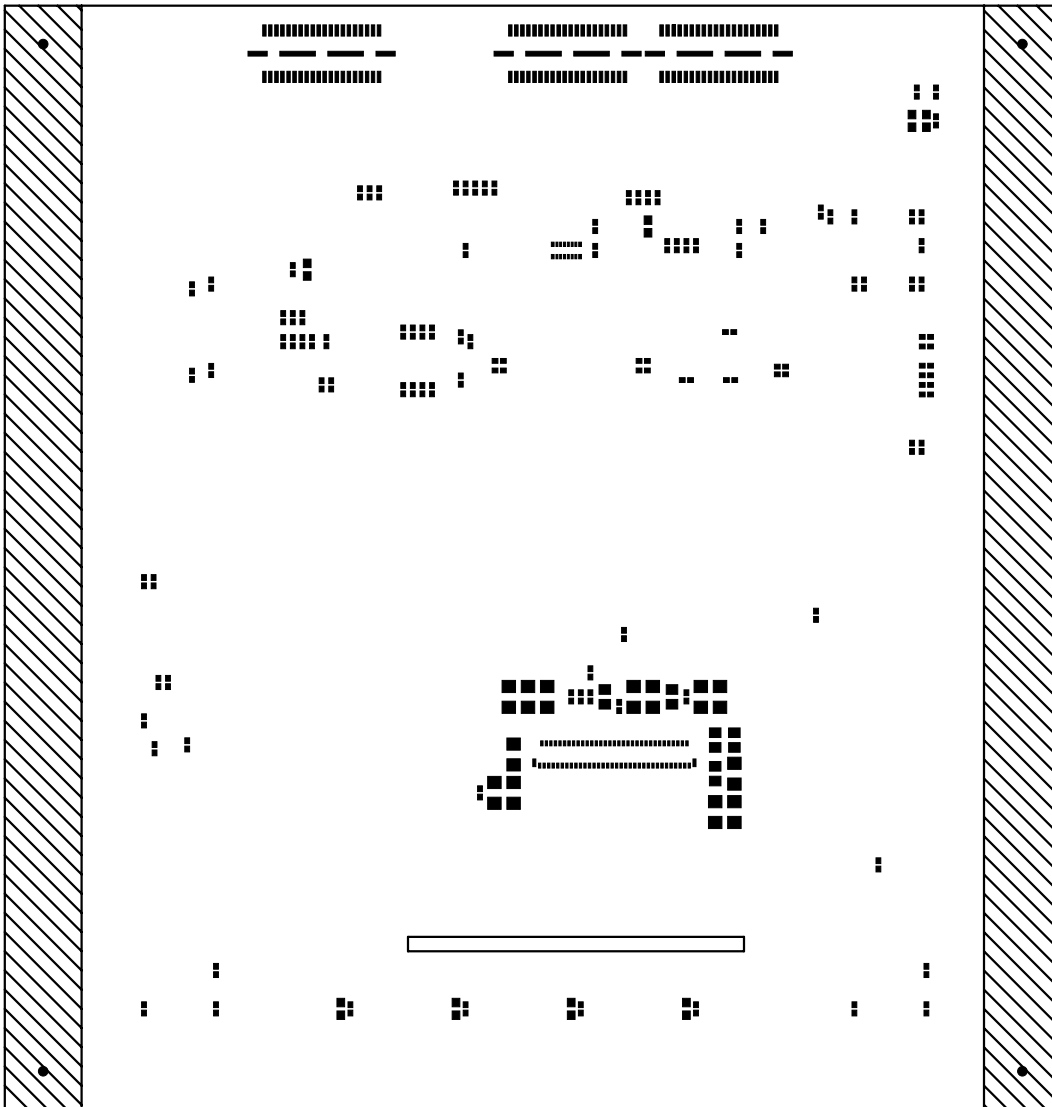
2x [REDACTED] 22Y 21540 REV A

PWB 511241 REV A
8-6-08
BOTTOM SIDE SILKSCREEN

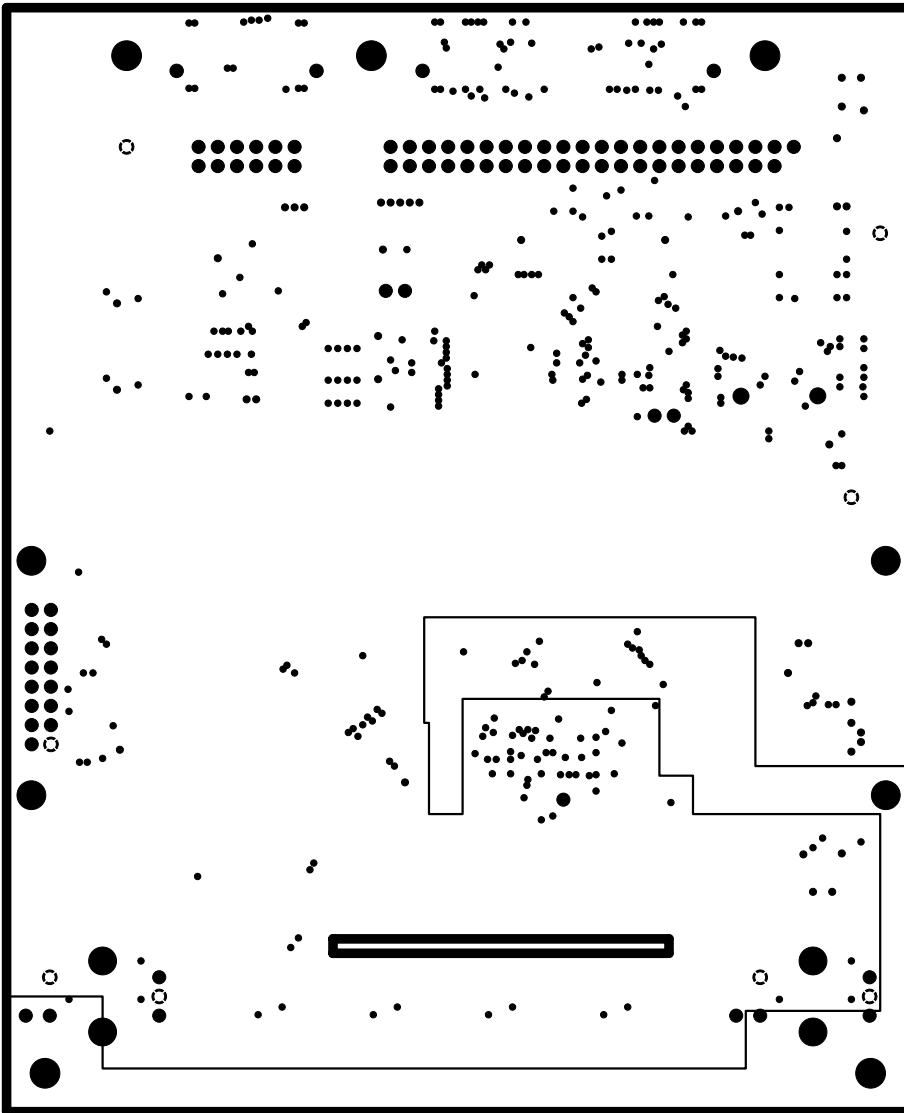


PWB 511241 REV A
8-6-08
BOTTOM SIDE SOLDERMASK

ОБЪЕКТОВ ЭДЖЕ
↑
LEADING EDGE
↓
ZONNECEEE SIDE

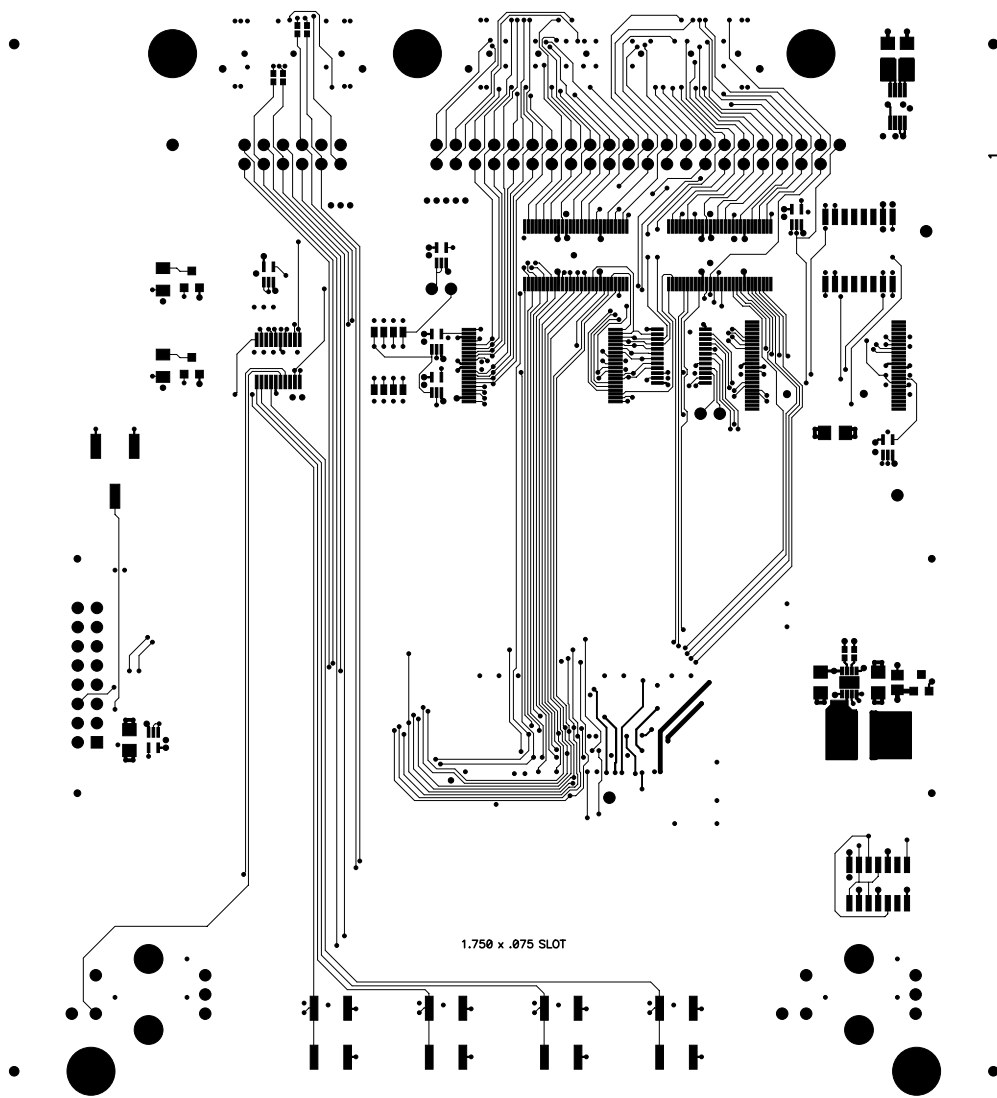


PWB 511241 REV A
8-6-08
BOTTOM SIDE SOLDERPASTE

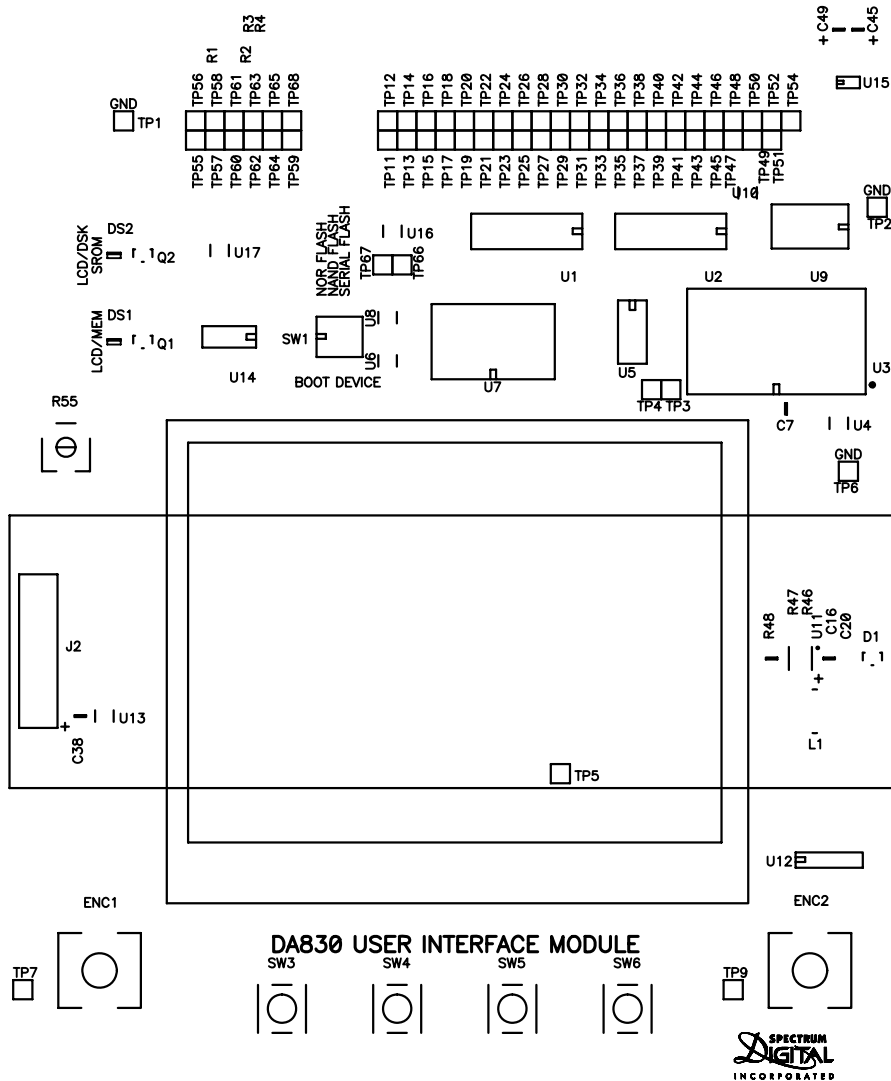


2

PWB 511241 REV A
8-6-08
GND PLANE - LAYER 2

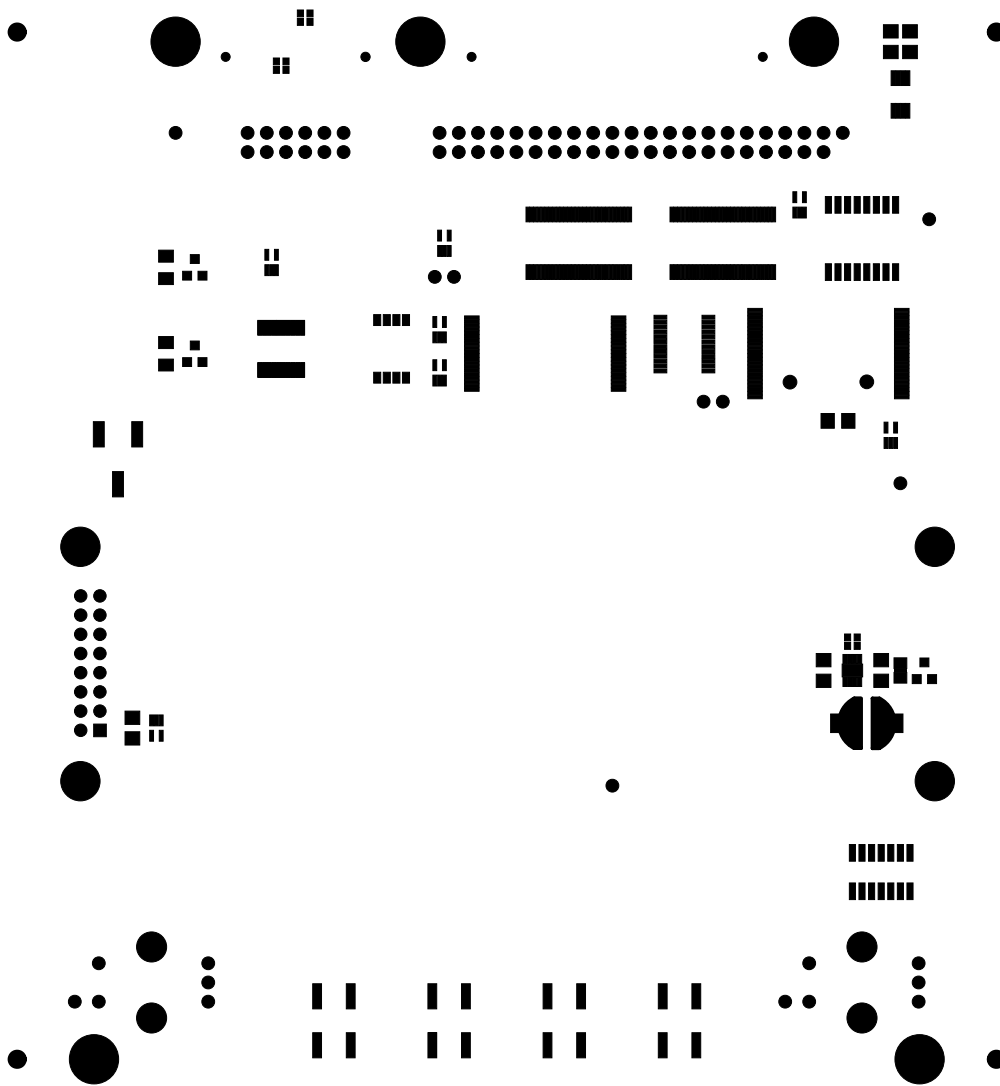


PWB 511241 REV A
8-6-08
TOP SIDE - LAYER 1

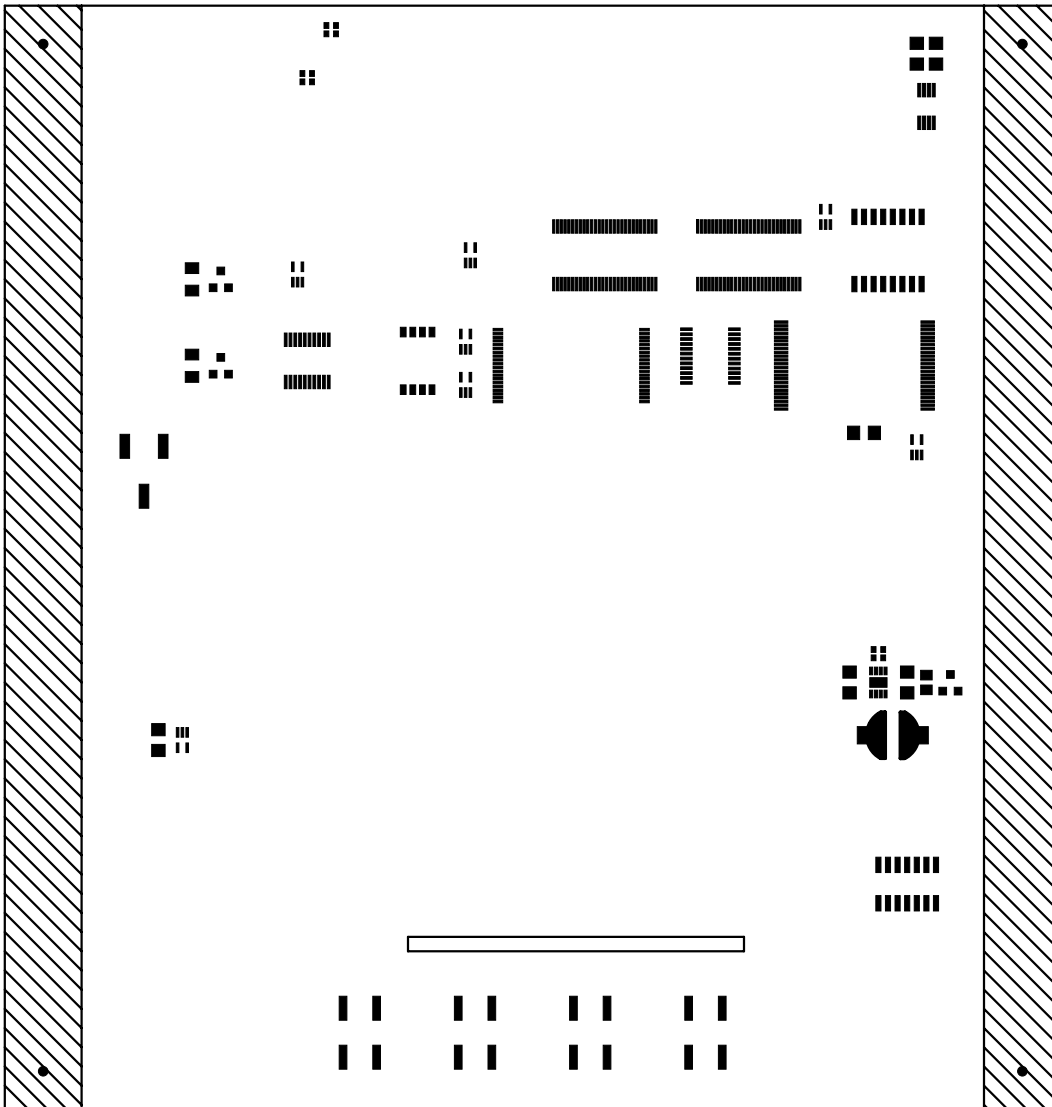


PWB 511241 REV A
 8-6-08
 TOP SIDE SILKSCREEN





PWB 511241 REV A
8-6-08
TOP SIDE SOLDERMASK

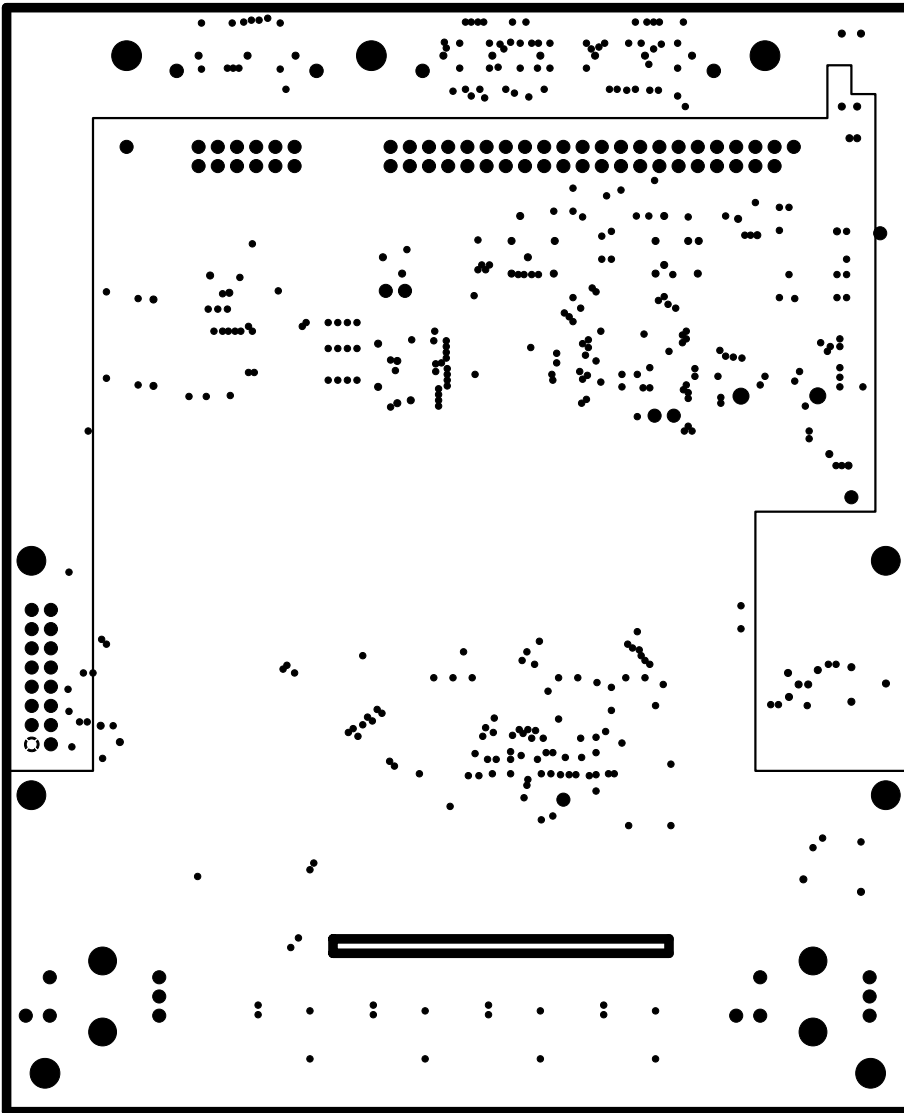


←
OPERATOR EDGE

←
LEADING EDGE

←
SQUEEGEE SIDE

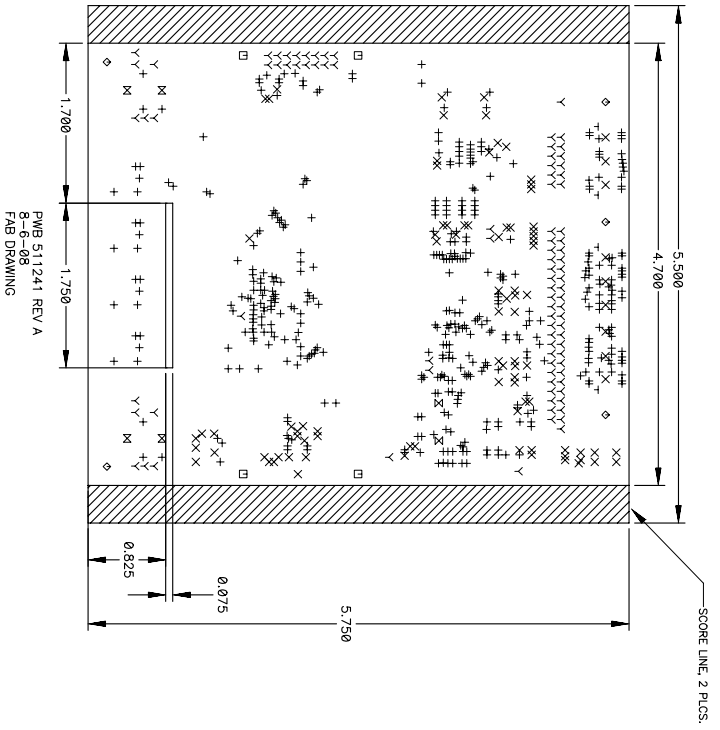
PWB 511241 REV A
8-6-08
TOP SIDE SOLDERPASTE



PWB 511241 REV A
8-6-08
VCC PLANE - LAYER 3

NOTES: UNLESS OTHERWISE SPECIFIED

- 1 MATERIAL: HIGH TEMP FR4 (TG>=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%.
- 7 INTERNAL AND EXTERNAL CORNERS TO BE .80 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 .001 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.



Drill Table

Hole Dia. (inch)	Symbol	Quantity	Plated
0.010	+	446	Yes
0.012	X	94	Yes
0.038	Y	91	Yes
0.041	*	4	No
0.053	Z	2	No
0.115	M	4	Yes
0.120	□	4	No
0.125	◇	5	Yes

TABLE OF LAYERS

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

PWB 511241 REV A
8-6-08
FAB DRAWING

UNLESS OTHERWISE SPECIFIED

- DIMENSIONS ARE IN INCHES
- ANGLES +/- .1°
- TOLERANCES 2 PLACE DECIMALS +/- .02
- REMOVE ALL BURRS AND SHARP EDGES
- CONCENTRIC MACHINED DIAMETERS 0.10 RIM
- DIMENSIONAL LIMITS APPLY AFTER PROCESSES

HOLE DIAMETER TOLERANCE UNLESS OTHERWISE NOTED IN DRILL TABLE

ALL NON-PLATED HOLES +/- .004

ALL PLATED HOLES +/- .003

DATE	8-6-08
DATE	8-6-08
DATE	8-6-08
DATE	8-6-08
DATE	8-6-08

SPECTRUM DIGITAL
INCORPORATED

PWB, PRIMUS USER I/F BOARD

SIZE: DRAWING NO 511241

SCALE: NONE

REV: A

SHEET: 1 OF 1

REV	ECN NO / CLASS / DRAFTER / DATE	REVISIONS	DATE	APPROVED

DWG NO	511241	SH 1	1
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