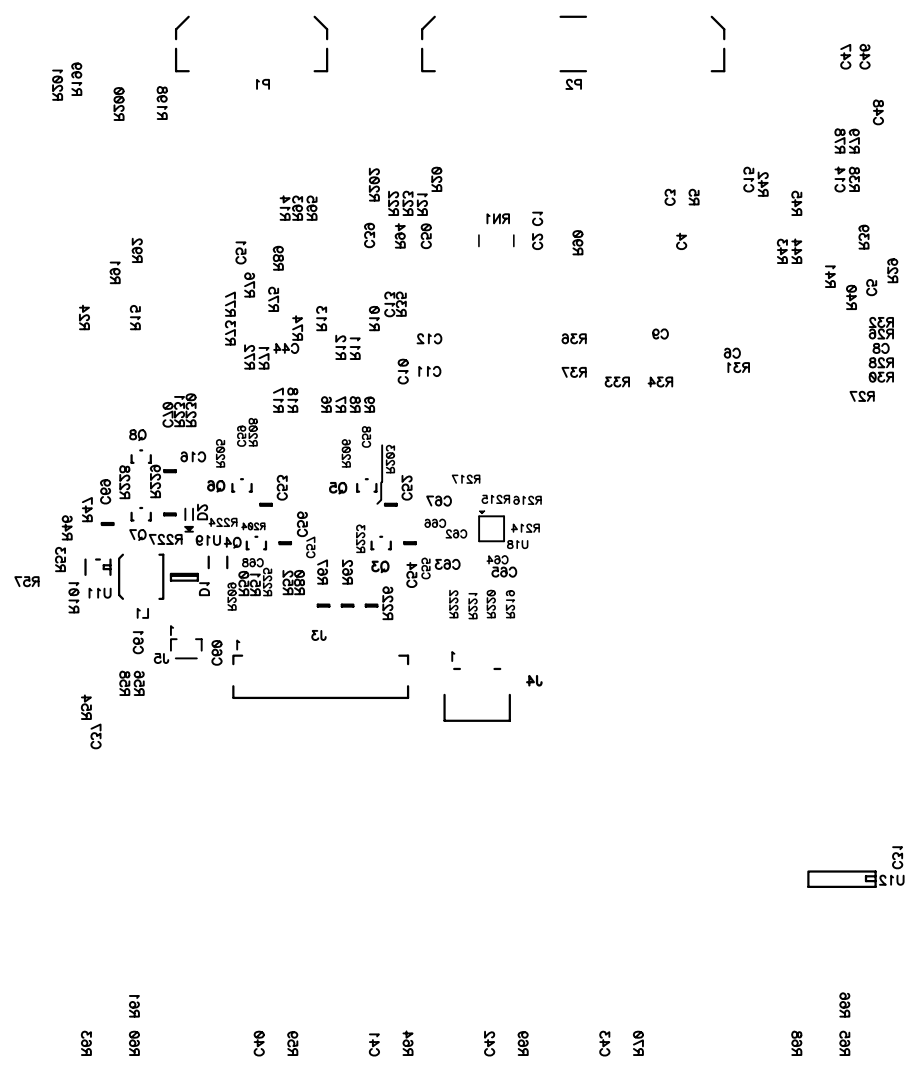


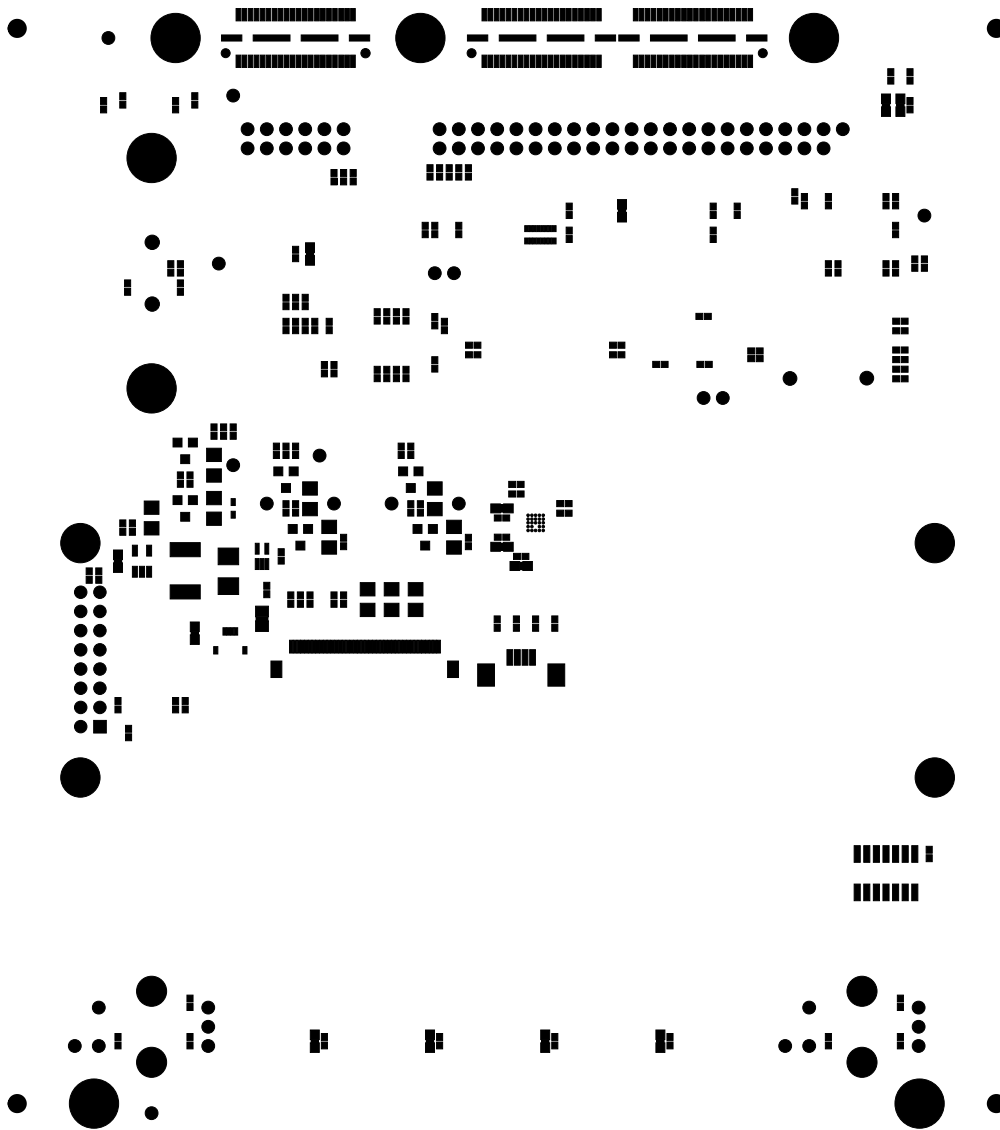
PWB 513401 REV B

PWB 513401 REV B  
2-23-10  
BOTTOM SIDE - LAYER 4

PWB 513401 REV B  
2-23-10  
BOTTOM SIDE SILKSCREEN

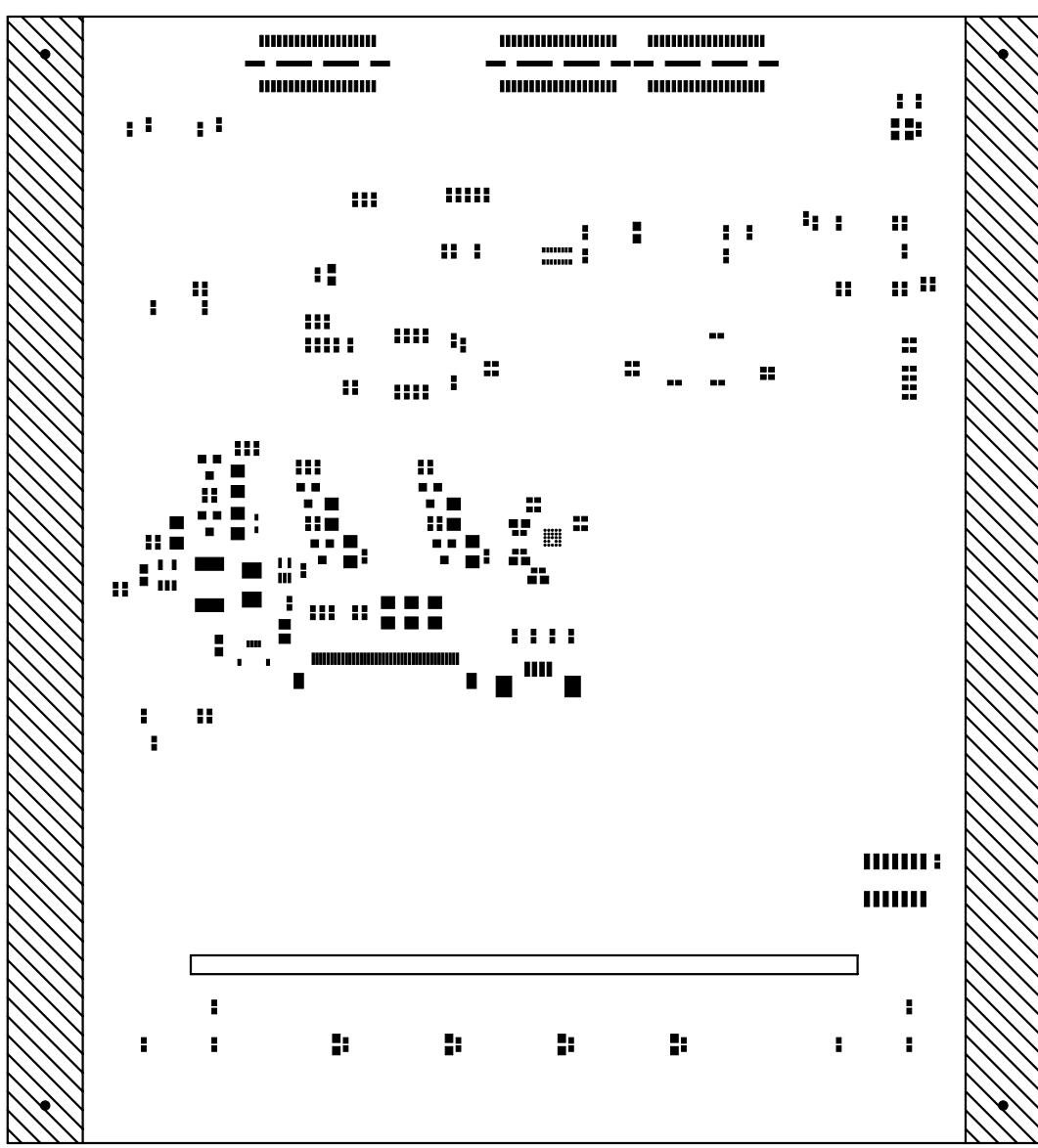
ASSY 213400 REV A



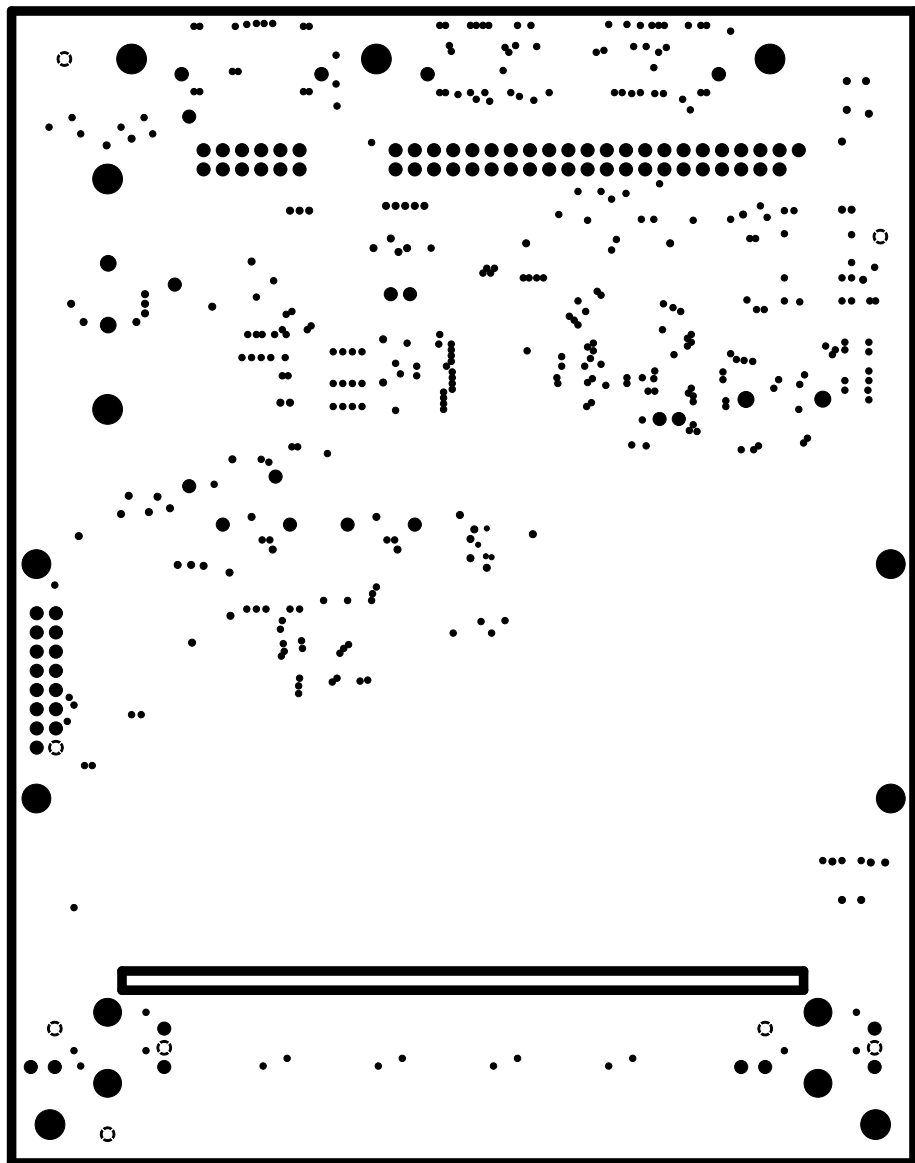


PWB 513401 REV B  
2-23-10  
BOTTOM SIDE SOLDERMASK

ОБЪЕКТОВ ЭДЖЕ  
↑  
LEADING EDGE  
↑  
ЗОНЕЕЕЕЕ СИДЕ

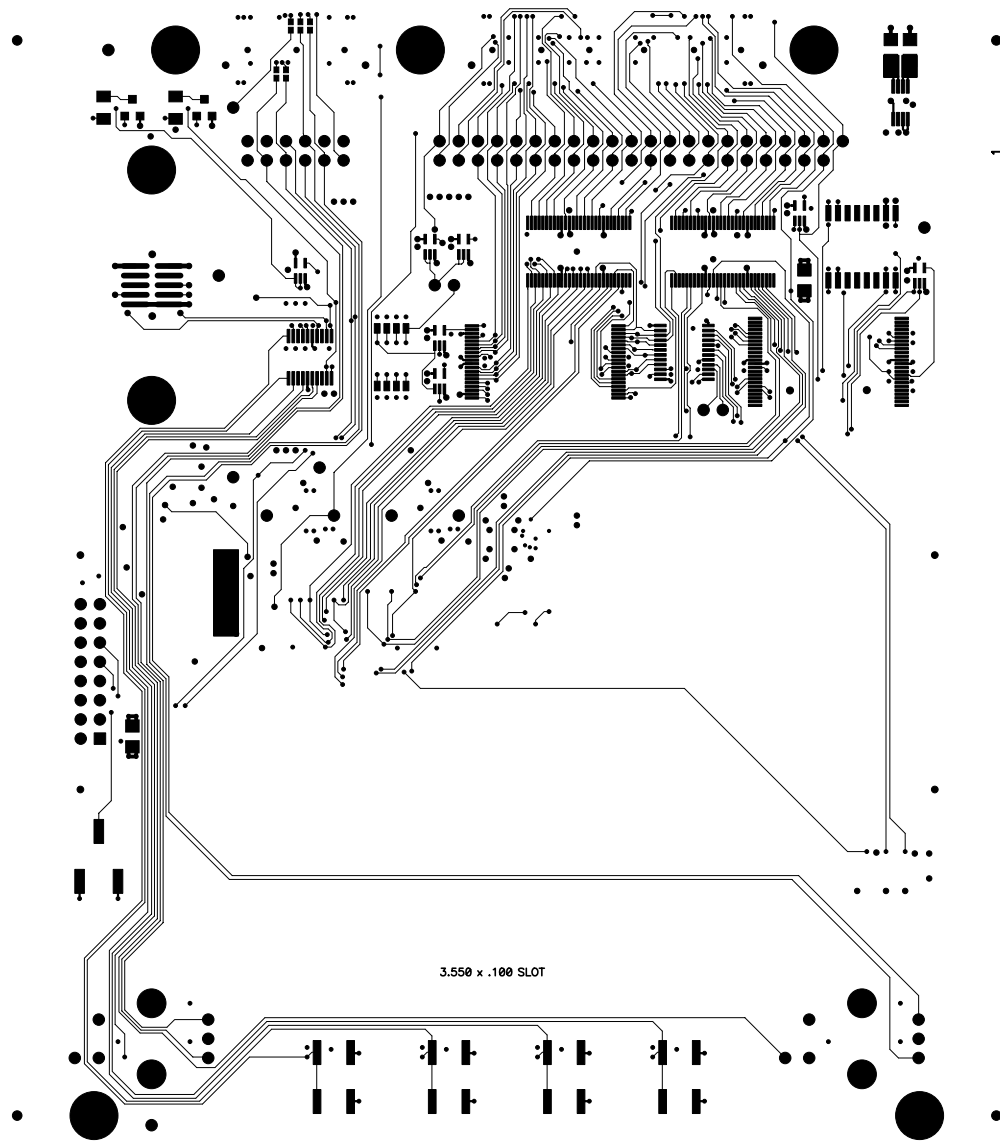


PWB 513401 REV B  
2-23-10  
BOTTOM SIDE SOLDERPASTE



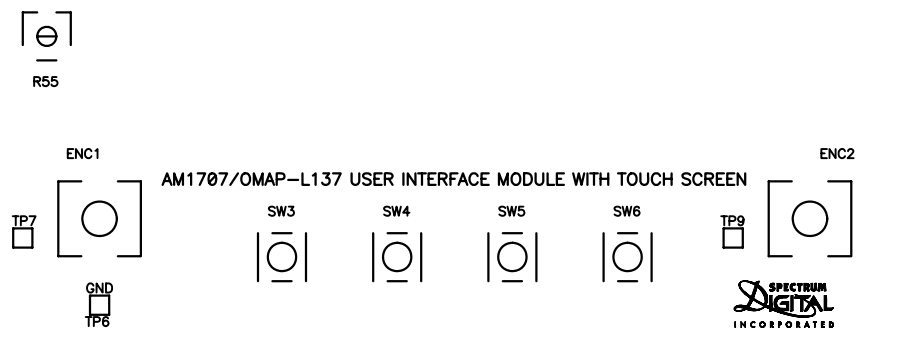
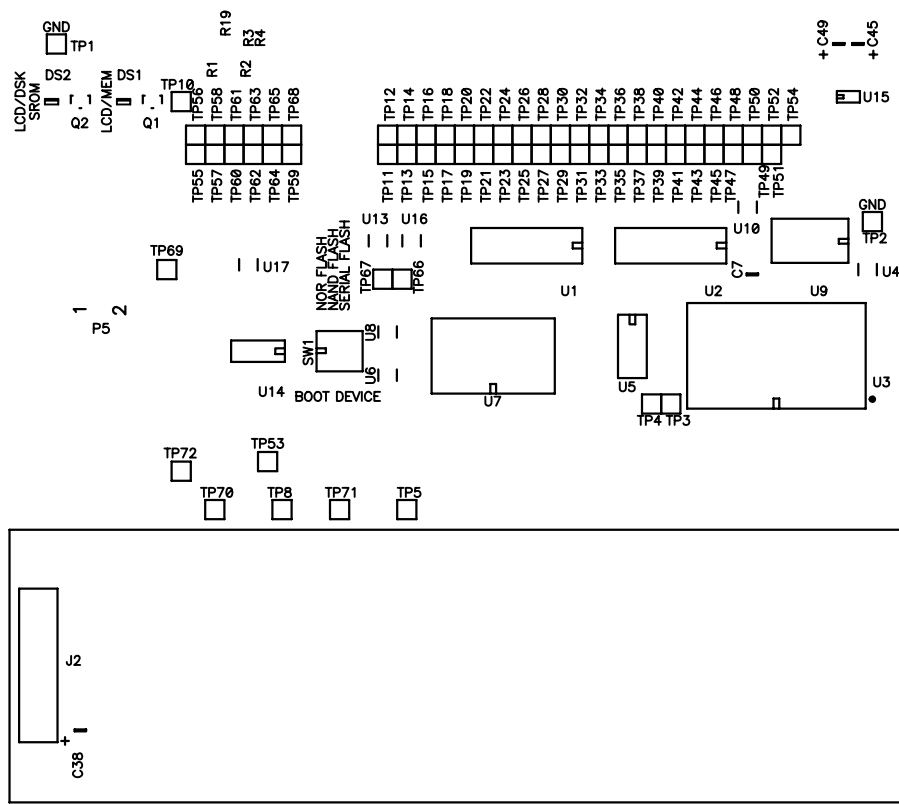
2

PWB 513401 REV B  
2-23-10  
GND PLANE - LAYER 2

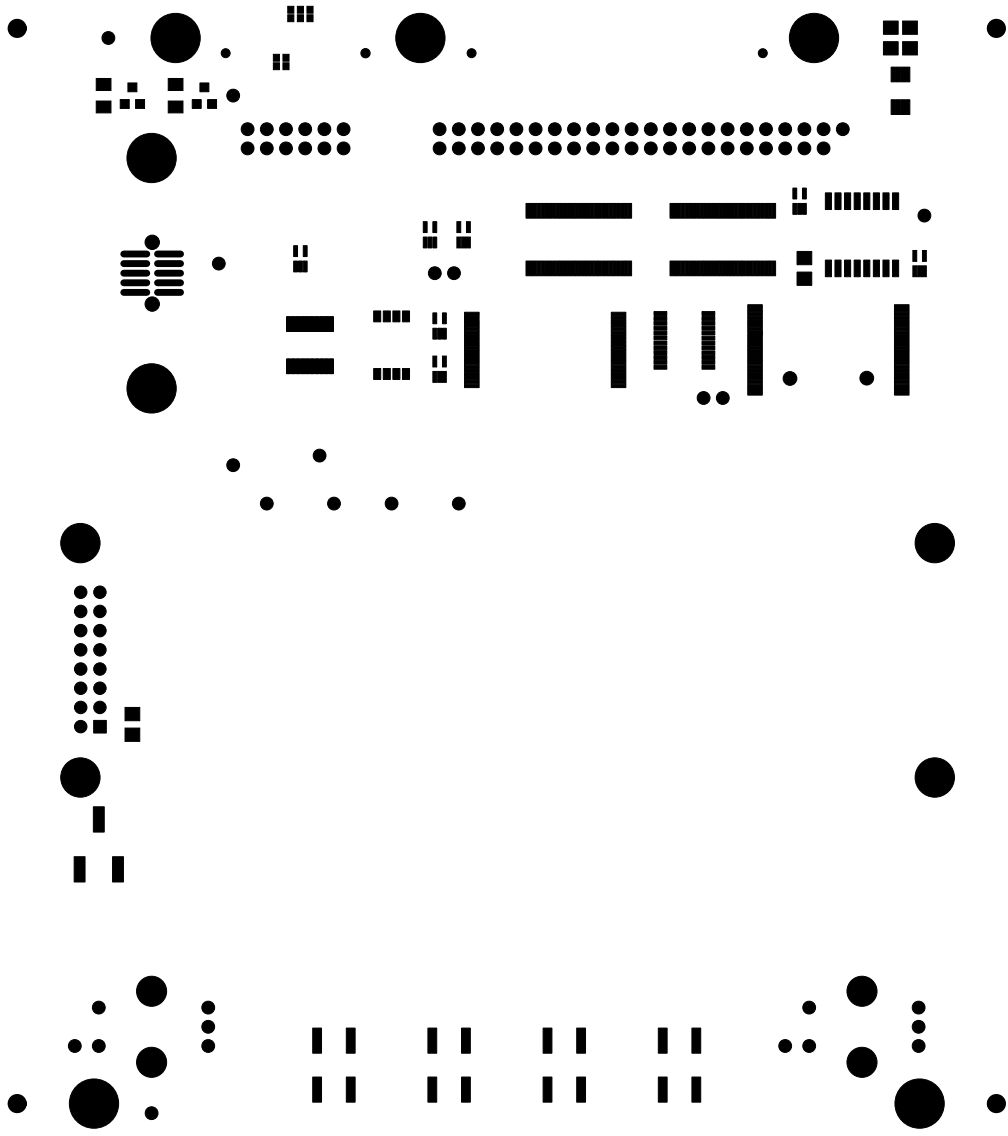


PWB 513401 REV B  
2-23-10  
TOP SIDE - LAYER 1

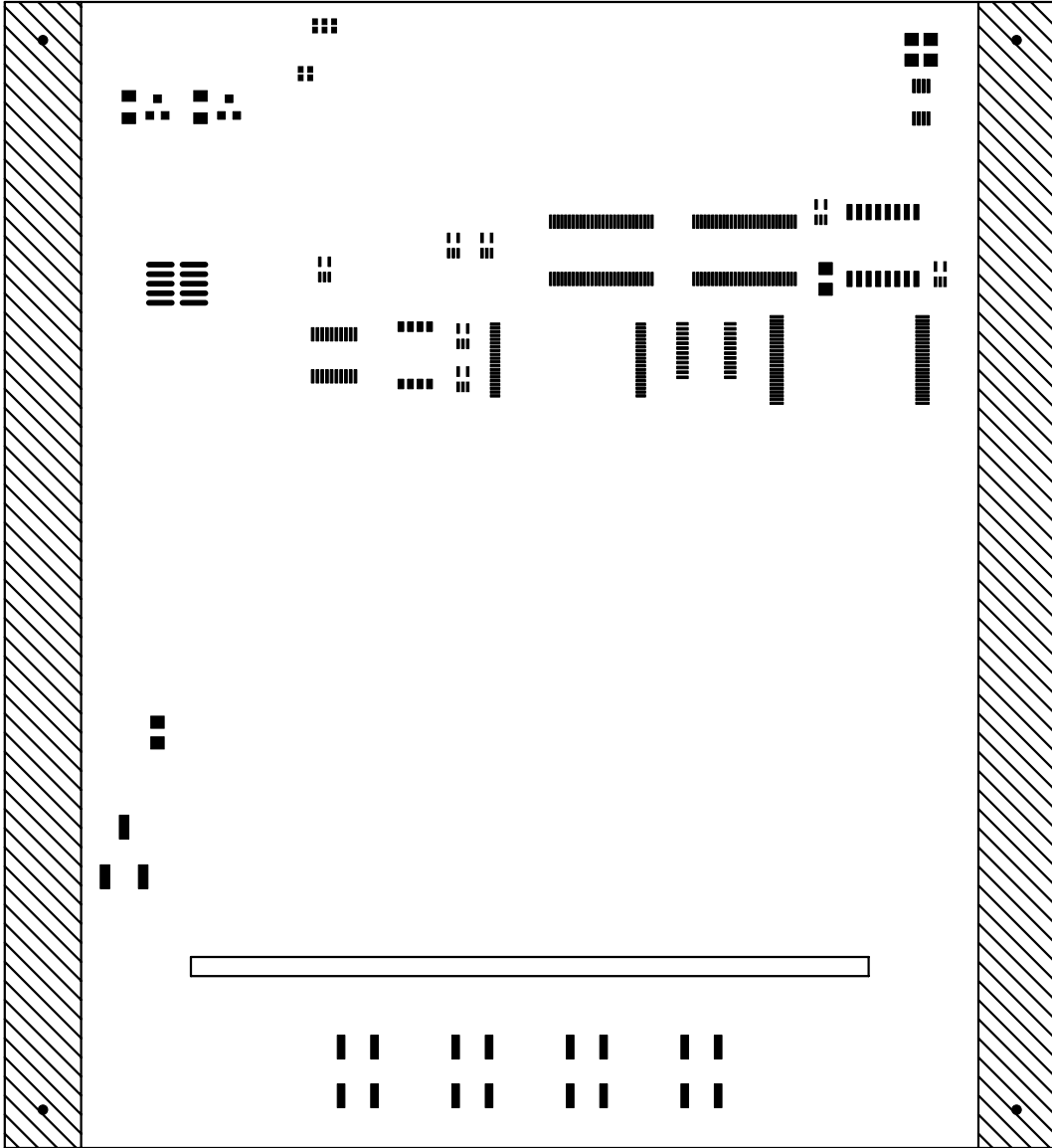




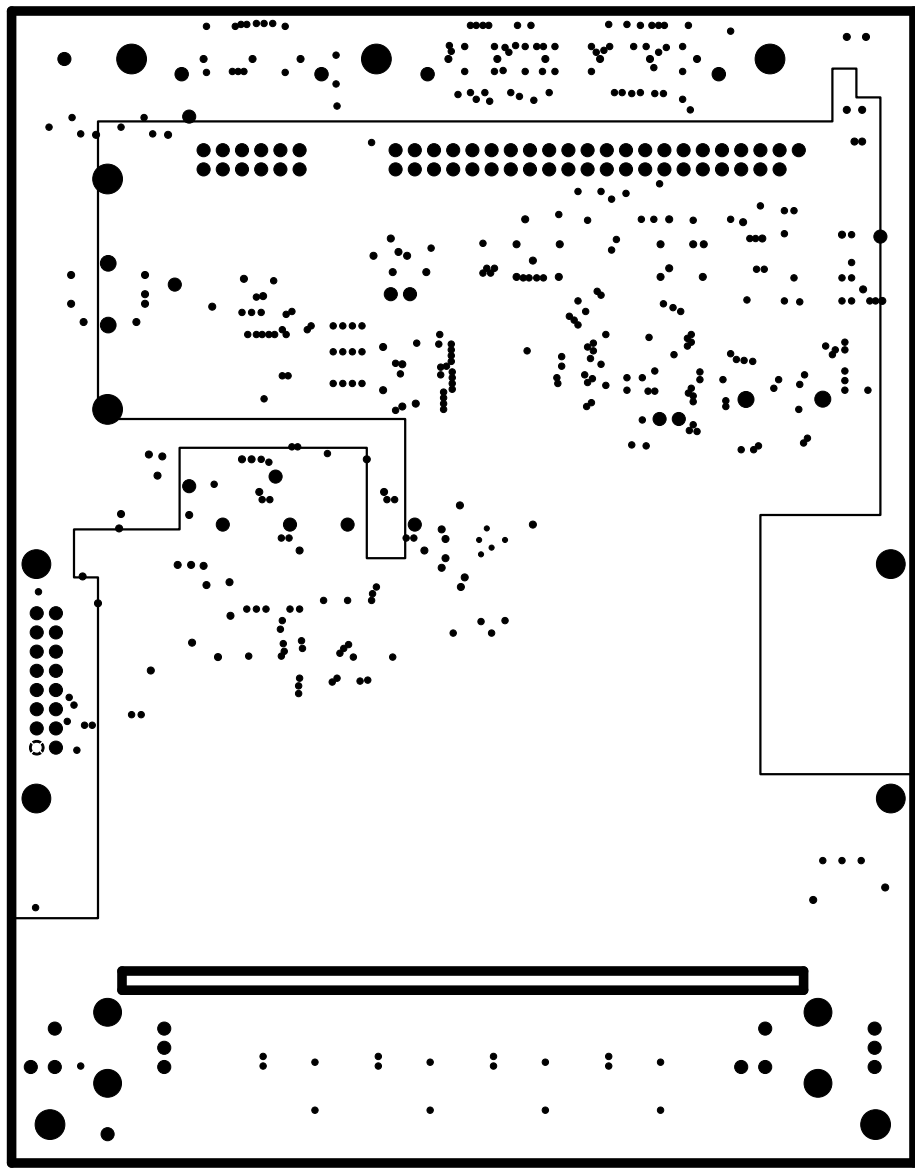
PWB 513401 REV B  
 2-23-10  
 TOP SIDE SILKSCREEN



PWB 513401 REV B  
2-23-10  
TOP SIDE SOLDERMASK



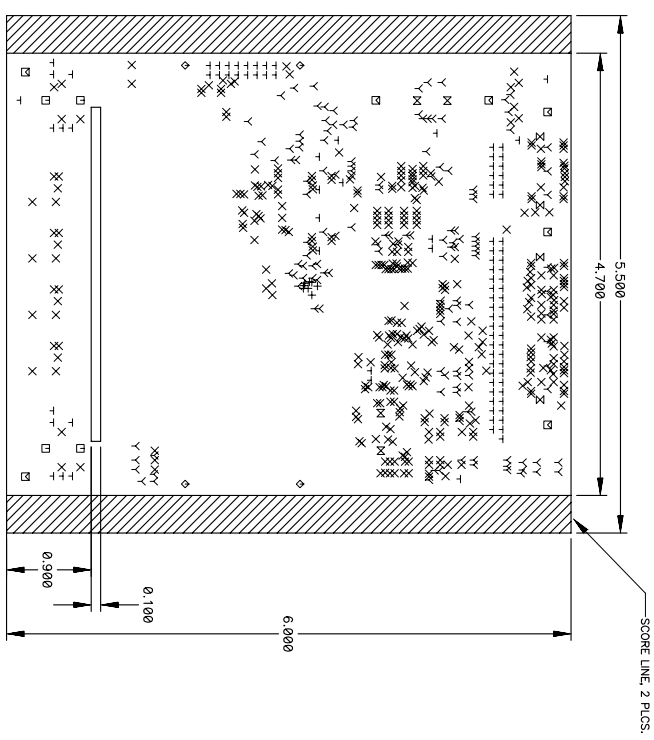
OPERATOR EDGE ←  
SQUEEGEE SIDE  
LEADING EDGE →  
PWB 513401 REV B  
2-23-10  
TOP SIDE SOLDERPASTE



PWB 513401 REV B  
2-23-10  
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%.
- 6
- 7 INTERNAL AND EXTERNAL CORNERS TO BE .50 RADIUS MAX AT SHOP OPTION.
- 8 EDGE CONNECTOR 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 .000203 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
0.008	+	8	Yes
0.010	X	394	Yes
0.012	Y	140	Yes
0.038	T	98	Yes
0.041	Z	4	No
0.053	M	4	No
0.115	D	4	Yes
0.120	Φ	4	No
0.125	⊠	7	Yes

TABLE OF LAYERS

NO.	DESCRIPTION	COPPER WT.
1.1	TOP SIDE	1/2 OZ
1.2	GND PLANE	1.0Z
1.3	VCC PLANE	1.0Z
1.4	BOTTOM SIDE	1/2 OZ

PWB 513401 REV B  
Z-23-10  
FAB DRAWING

UNLESS OTHERWISE SPECIFIED

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

HOLE DIAMETER TOLERANCE UNLESS OTHERWISE NOTED IN DRILL TABLE

ALL NON-PLATED HOLES +/- .003

DWG: OM KRAUSKOPF	DATE: 2-23-10
CHK: RON PETERSON	2-23-10
ENG: MGR	
QA: MFG	
RISE: SCALE NONE	

**SPECTRUM DIGITAL**  
INCORPORATED

PWB,AM1707 USER I/F BOARD

SIZE: DRAWING NO 513401

REV: B

SHEET 1 OF 1

DWG NO: 513401 SH 1

REVISIONS

REV	ECN NO / CLASS / DRAFTER / DATE	DATE	APPROVED