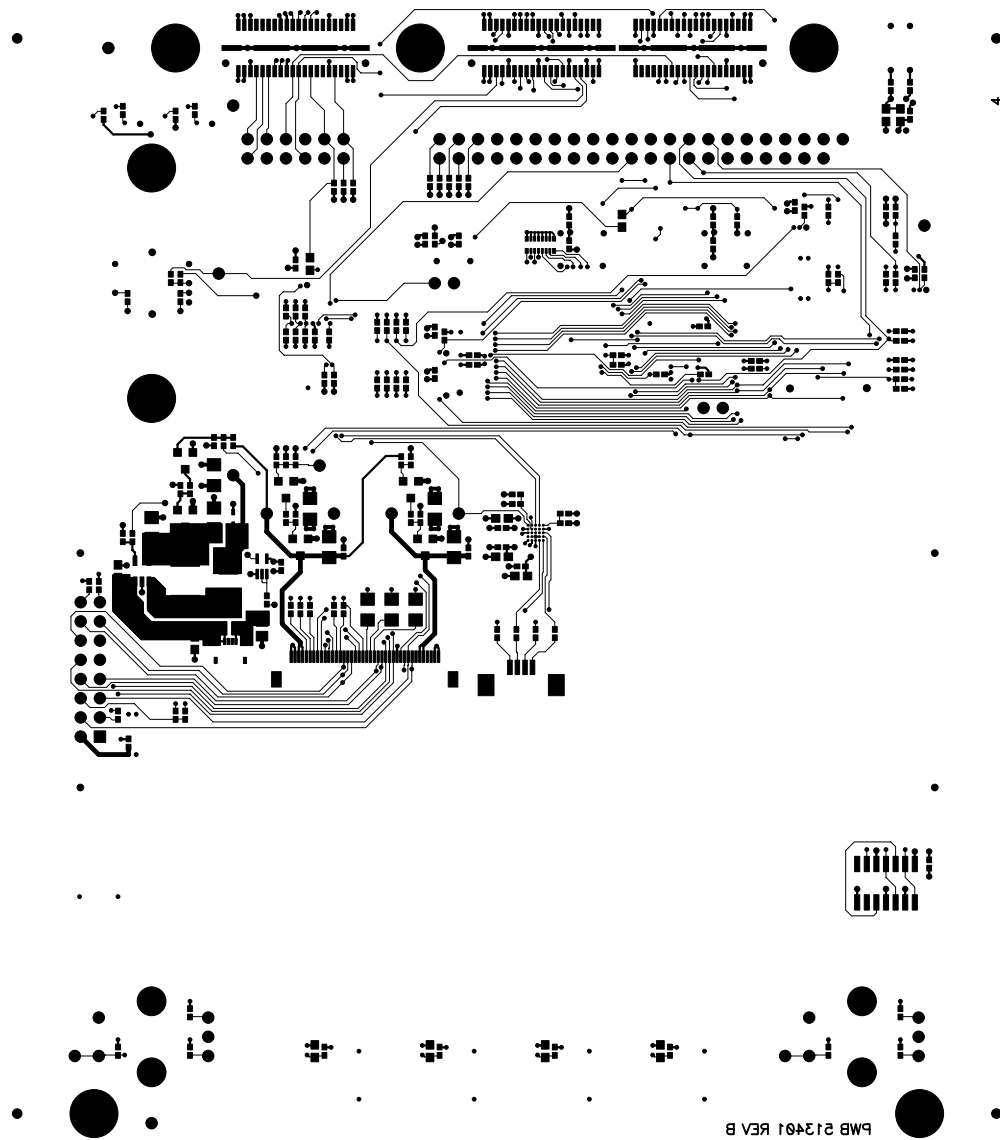


PWB 513401 REV B

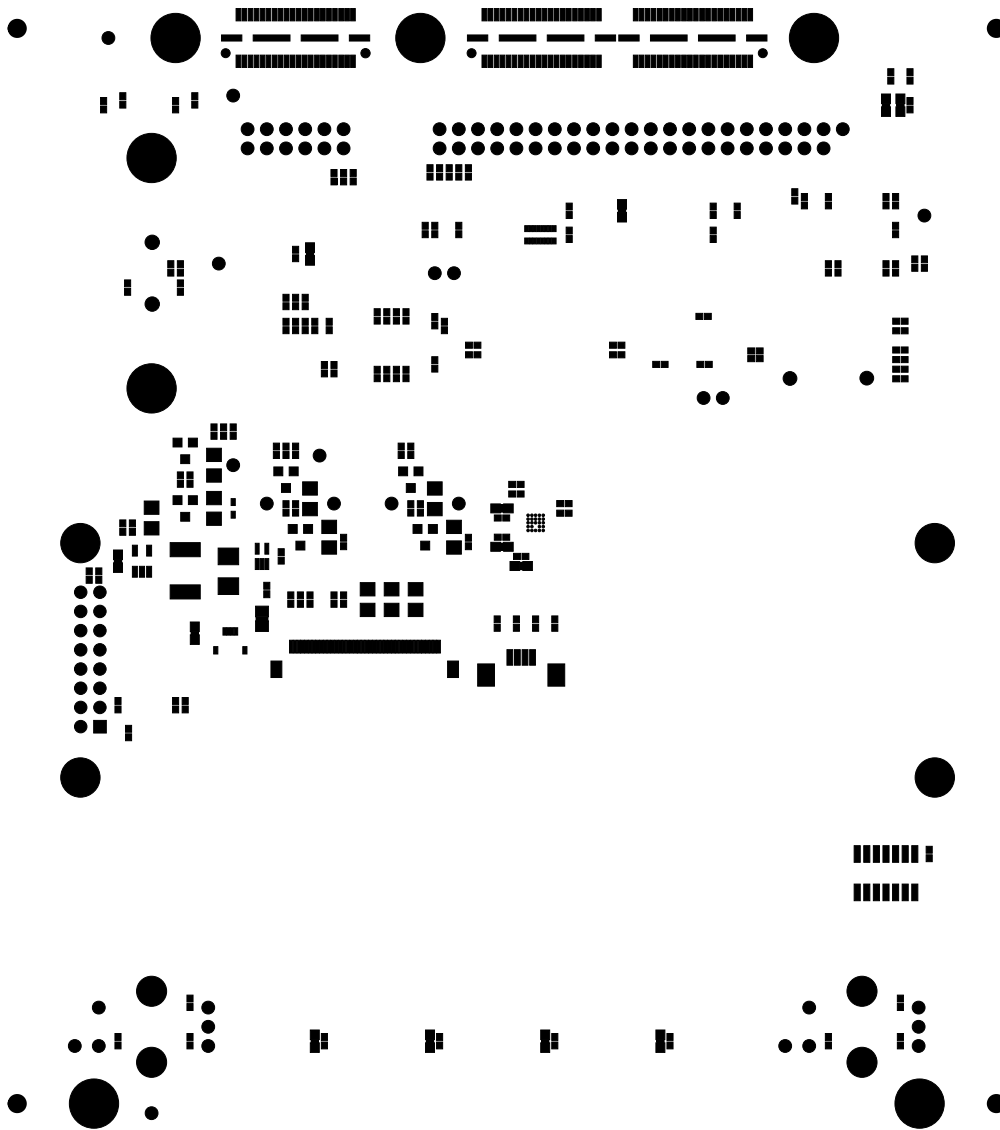
S/N [REDACTED]

ASSY 513400 REV [REDACTED]



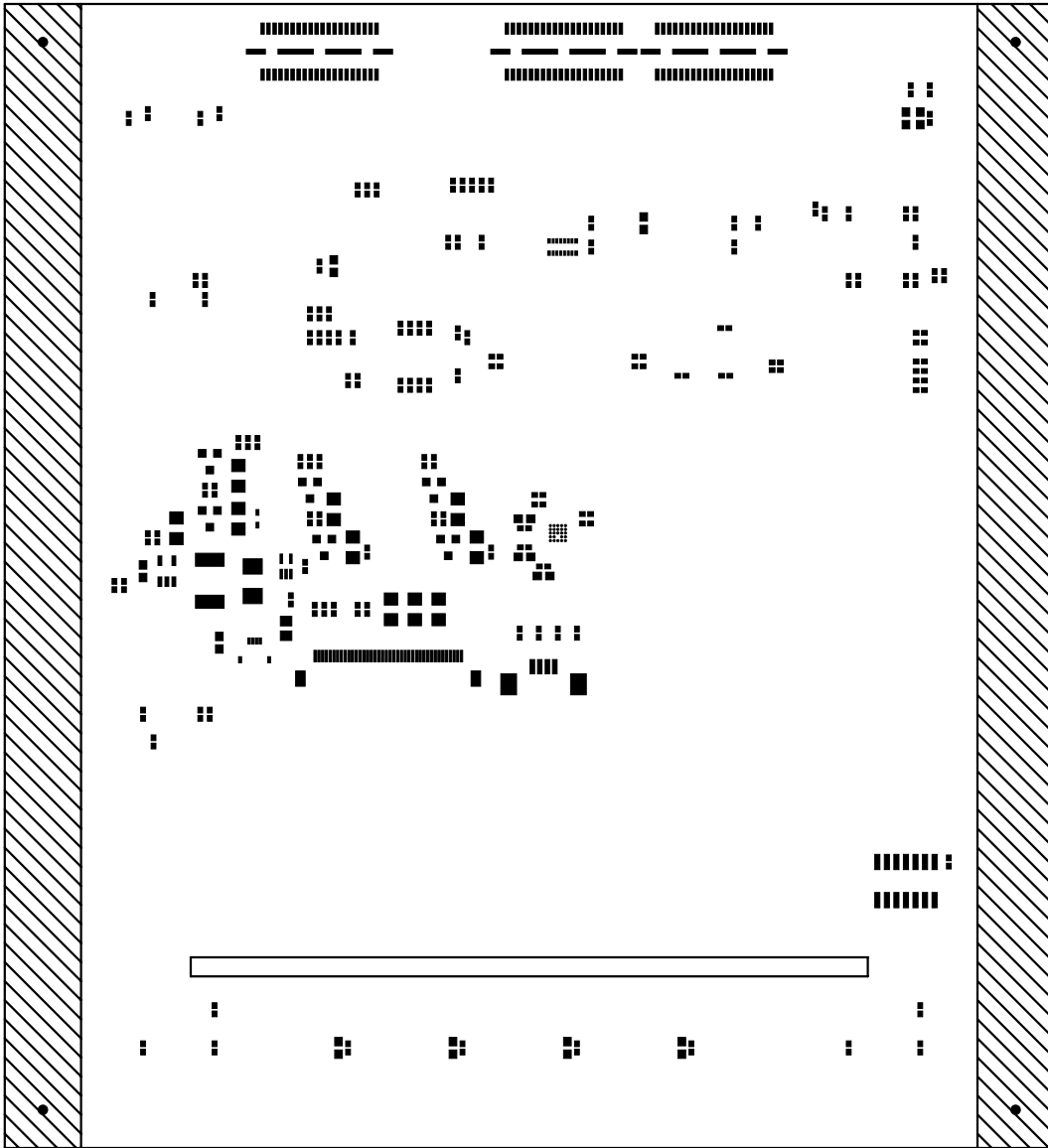


PWB 513401 REV B
2-23-10
BOTTOM SIDE - LAYER 4

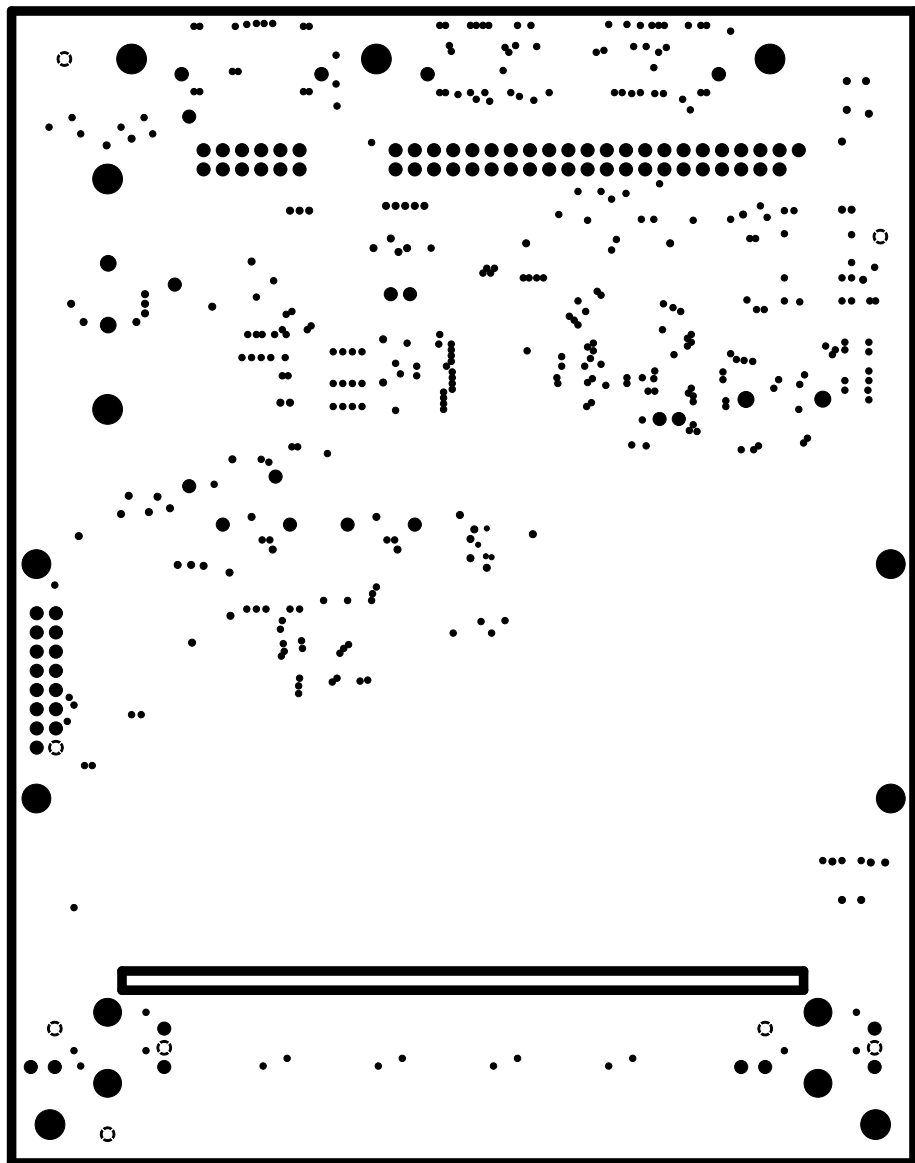


PWB 513401 REV B
2-23-10
BOTTOM SIDE SOLDERMASK

ОБЪЕКТОВ ЭДЖЕ
↑
LEADING EDGE
↓
ЗОНЕЕЕЕЕ СИДЕ

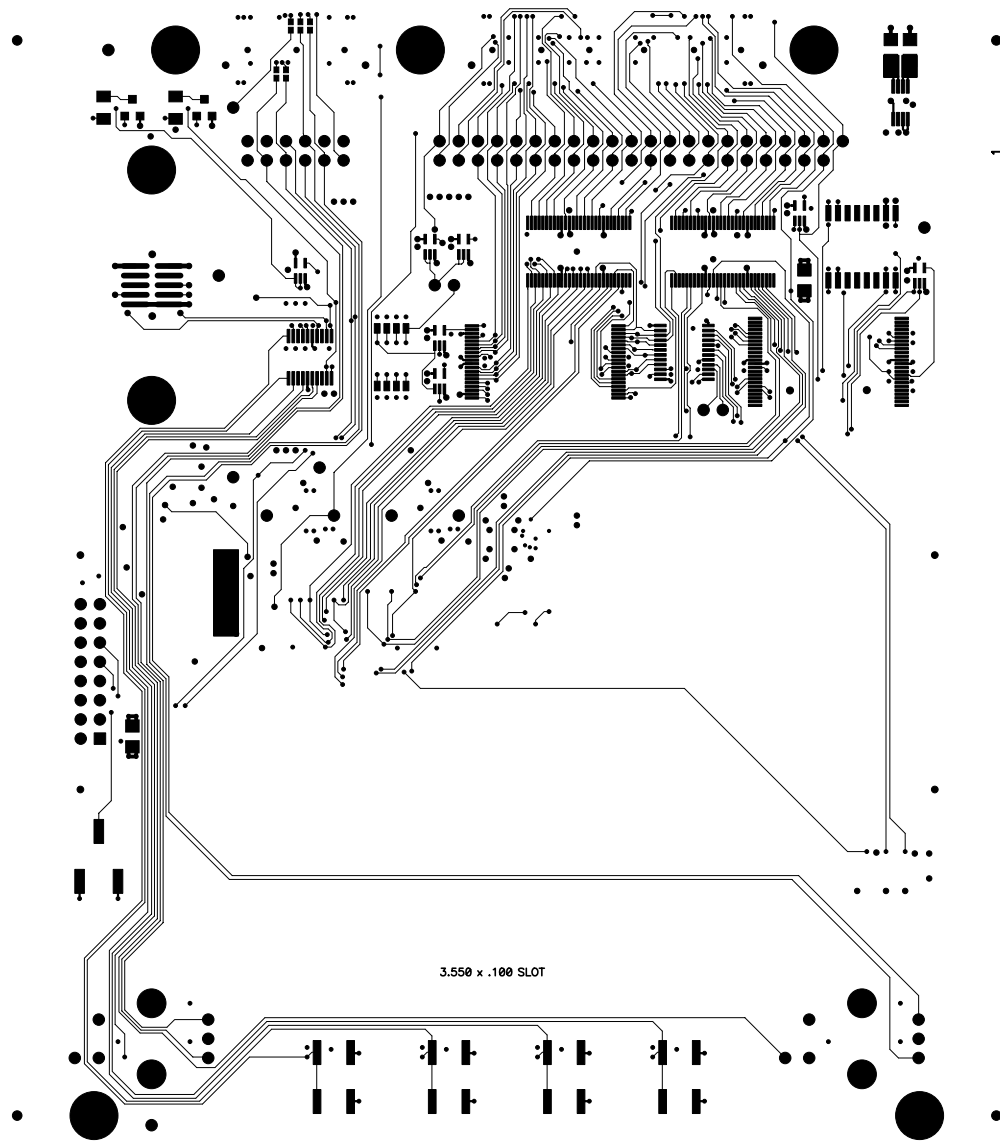


PWB 513401 REV B
2-23-10
BOTTOM SIDE SOLDERPASTE

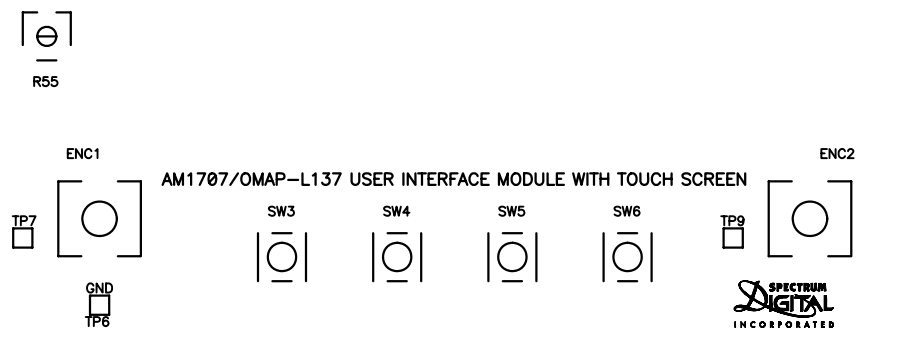
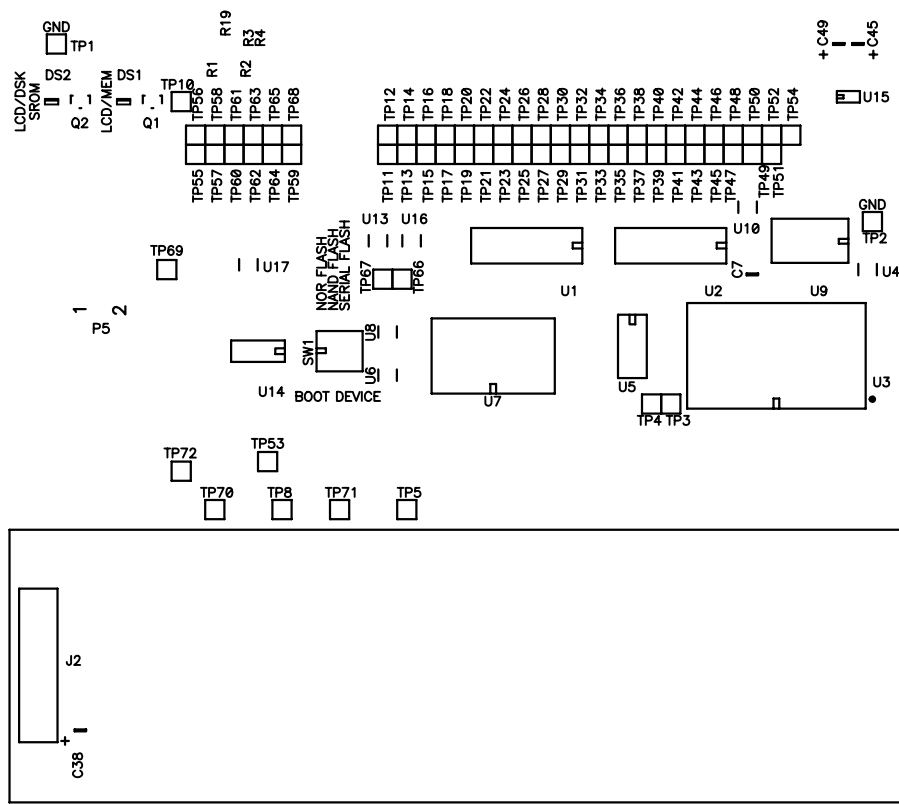


2

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

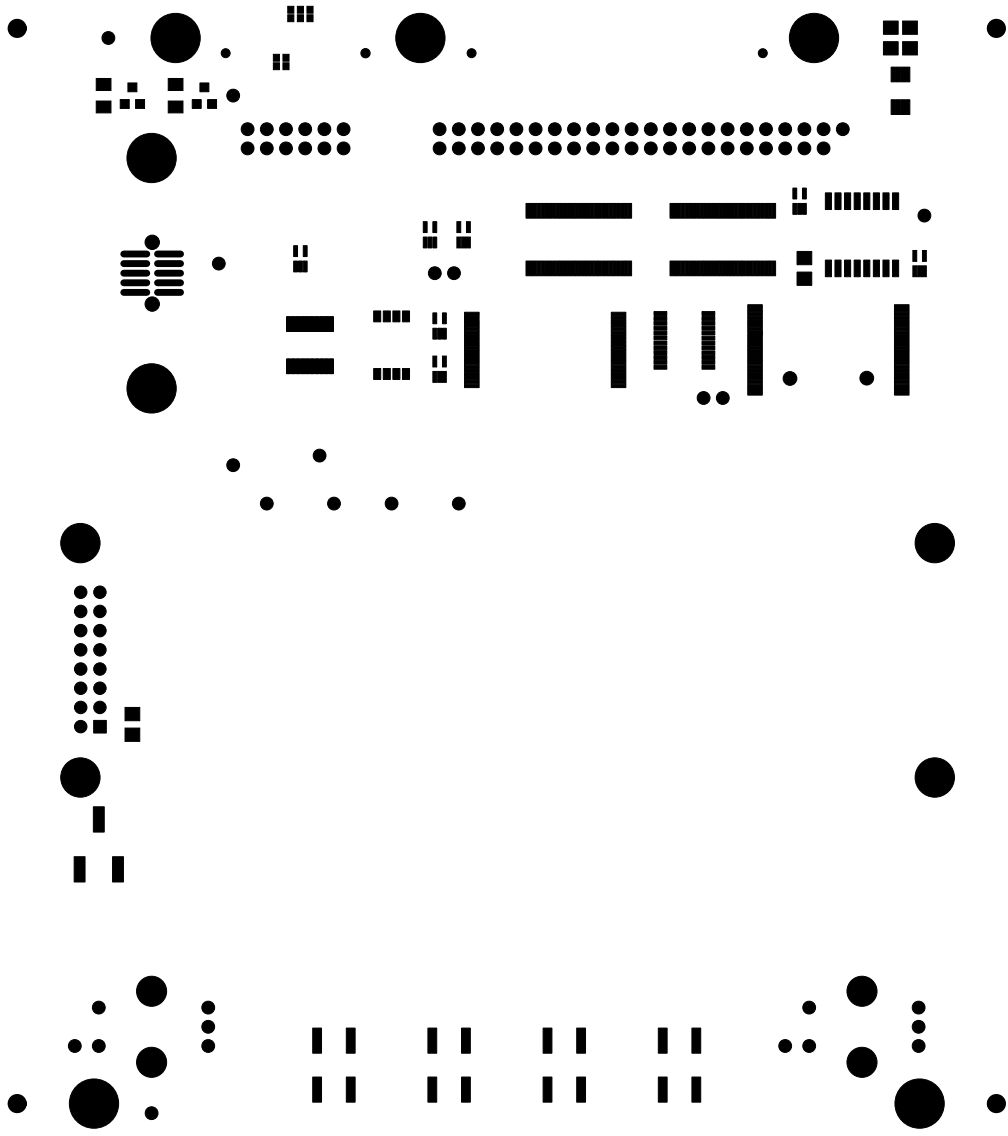


PWB 513401 REV B
2-23-10
TOP SIDE - LAYER 1

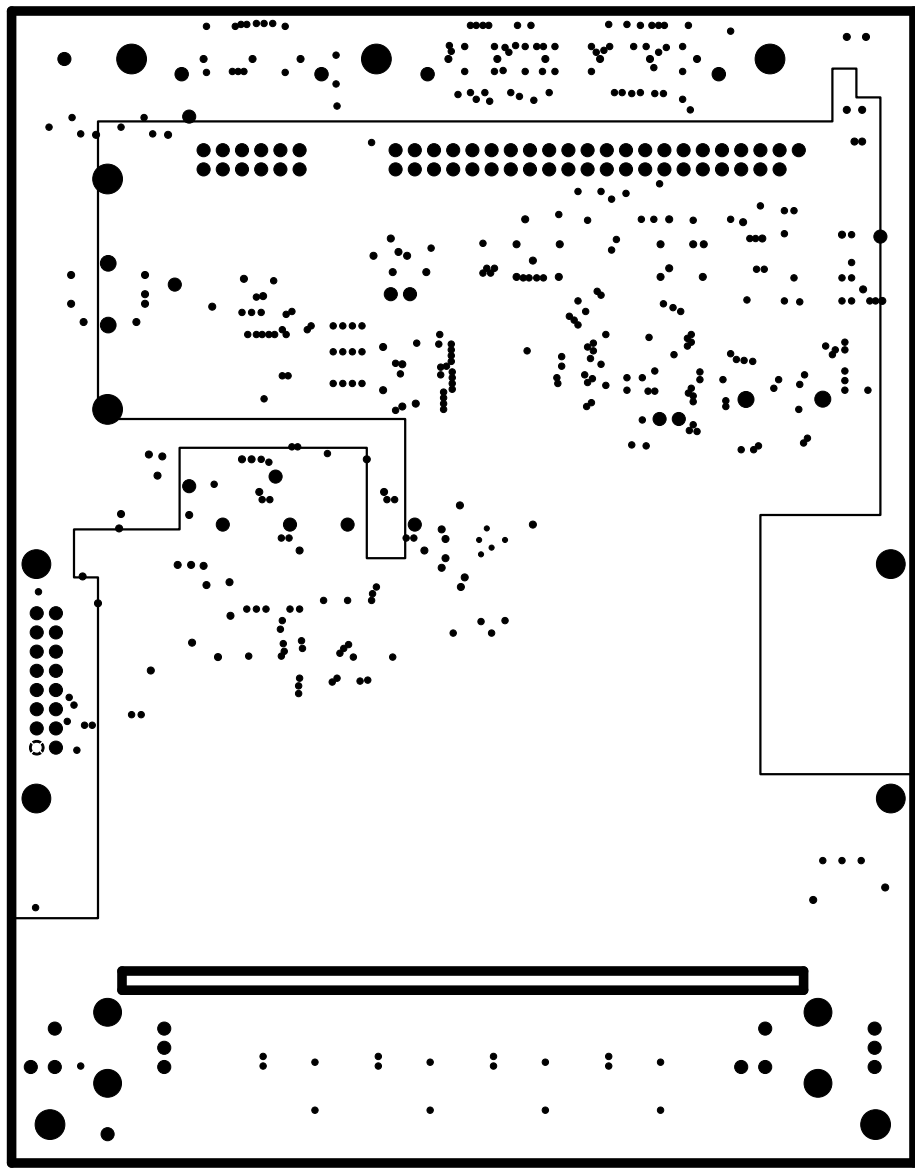


PWB 513401 REV B
 2-23-10
 TOP SIDE SILKSCREEN





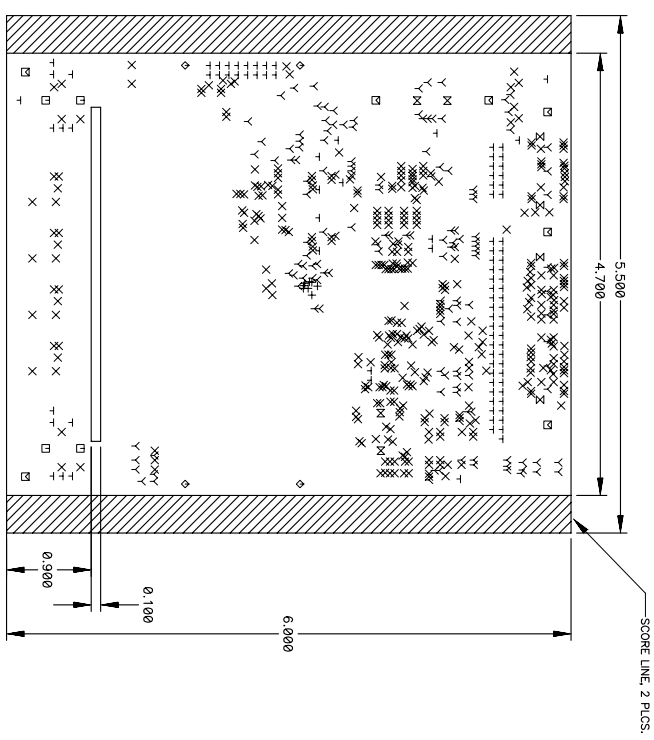
PWB 513401 REV B
2-23-10
TOP SIDE SOLDERMASK



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 | <p>SPECTRUM DIGITAL INCORPORATED</p> <p>PWB,AM1707 USER I/F BOARD</p> |
| ENG: RON PETERSON | 2-23-10 | |
| ENG: MGR | | |
| QA | | |
| MFG | | |
| SIZE | DRAWING NO | REV |
| C | 513401 | B |
| SCALE | NONE | SHEET 1 OF 1 |