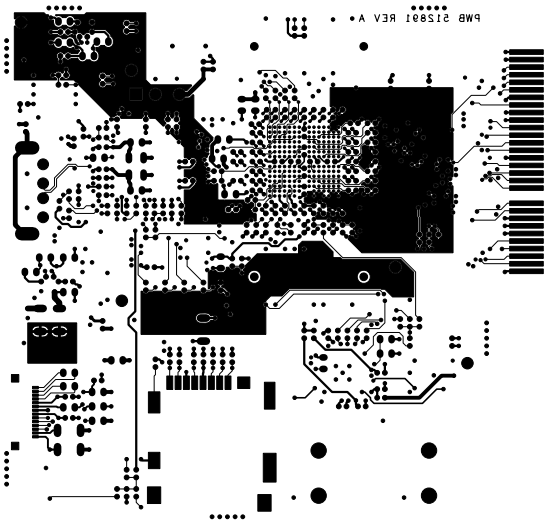


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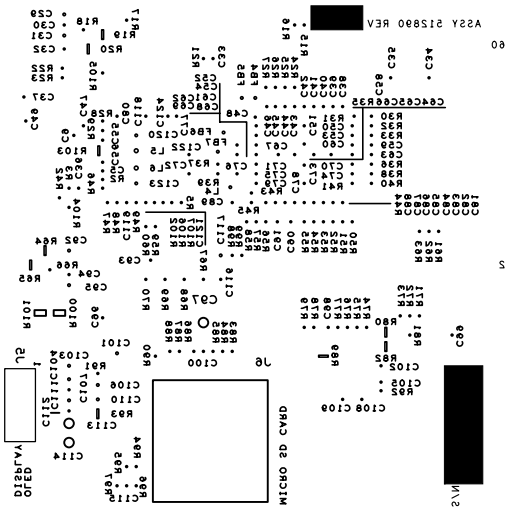
| ionDesign | TURNING CONCEPT INTO REALITY<br>4410 SHOALWOOD<br>AUSTIN, TEXAS 78756<br>(512)260-5778 | SPECTRUM DIGITAL |
| | | LAYER 6 SOLDER / 512891 REV A |
| | | DATE: 02/24/10 |



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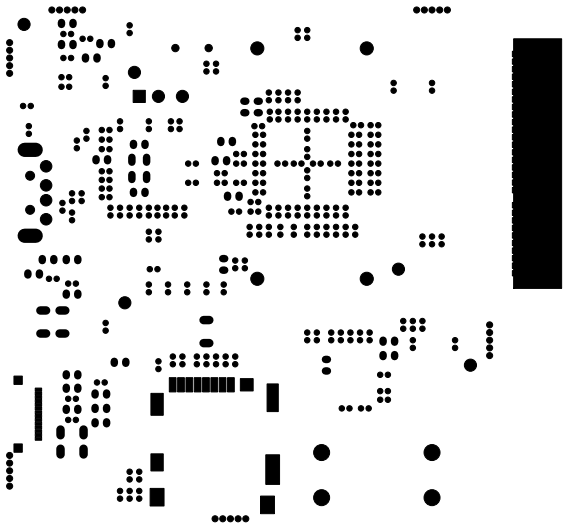
| ionDesign | TURNING CONCEPT INTO REALITY<br>4410 SHOALWOOD<br>AUSTIN, TEXAS 78756<br>(512)260-5778 | SPECTRUM DIGITAL |
| | | BSLK 512891 REV A |
| | | DATE: 02/24/10 |



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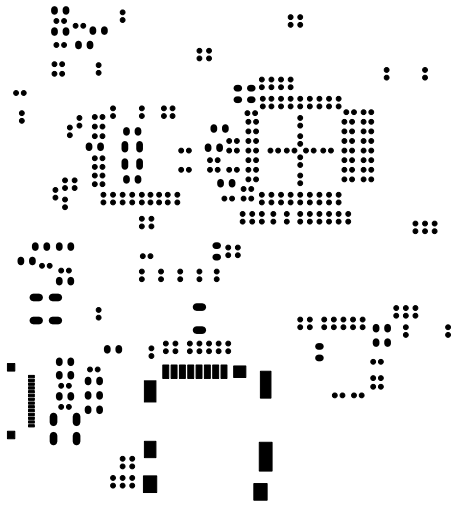
| ionDesign<br>TURNING CONCEPT INTO REALITY<br>4410 SHOALWOOD<br>AUSTIN, TEXAS 78756<br>(512)260-5778 | SPECTRUM DIGITAL | |
| | SMS | 512891 REV A |
| | DATE: 02/24/10 | |



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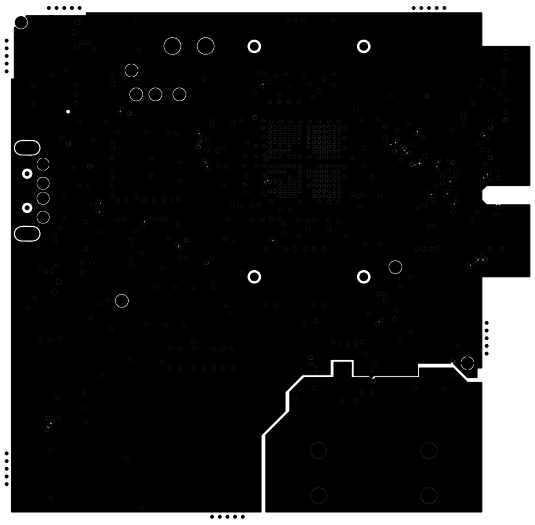
| ionDesign<br>TURNING CONCEPT INTO REALITY<br>4410 SHOALWOOD<br>AUSTIN, TEXAS 78756<br>(512)260-5778 | SPECTRUM DIGITAL | |
| | SPS | 512891 REV A |
| | DATE: 02/24/10 | |



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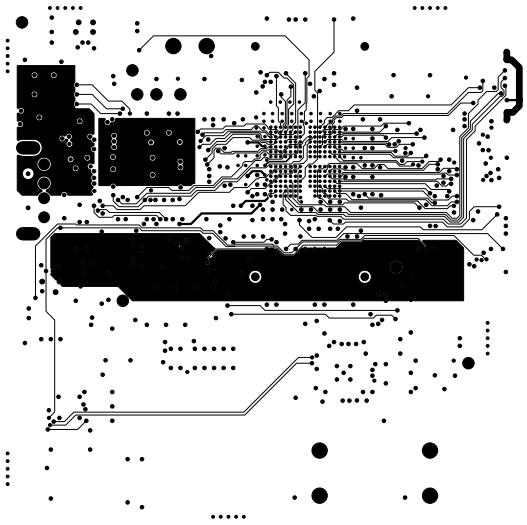
| ionDesign | TURNING CONCEPT INTO REALITY<br>4410 SHOALWOOD<br>AUSTIN, TEXAS 78756<br>(512)260-5778 | SPECTRUM DIGITAL |
| | LAYER 2<br>GROUND | 512891 REV A |
| | | DATE: 02/24/10 |



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| ionDesign | TURNING CONCEPT INTO REALITY<br>4410 SHOALWOOD<br>AUSTIN, TEXAS 78756<br>(512)260-5778 | SPECTRUM DIGITAL |
| | LAYER 3<br>SIGNAL | 512891 REV A |
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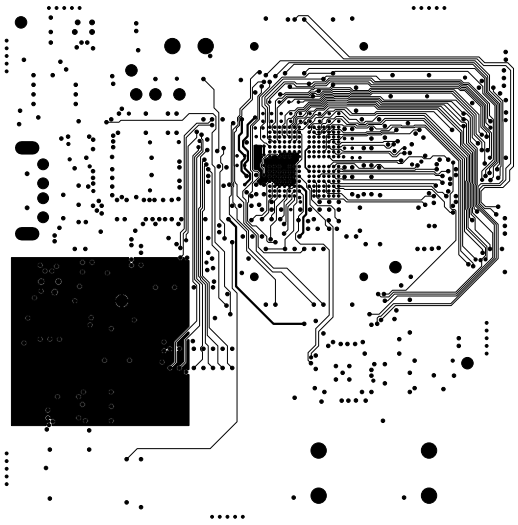

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| | LAYER 4<br>SIGNAL | 512891 REV A |
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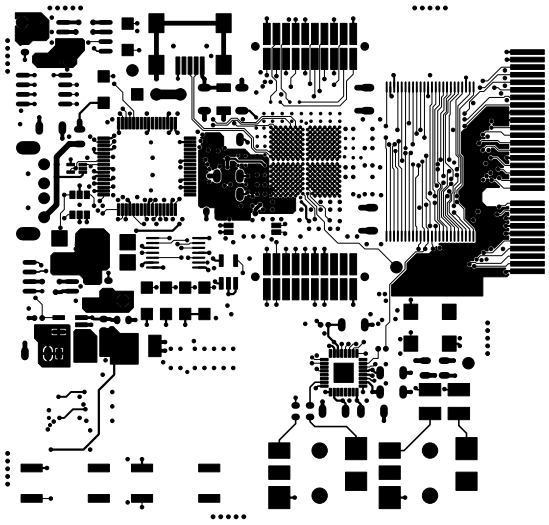

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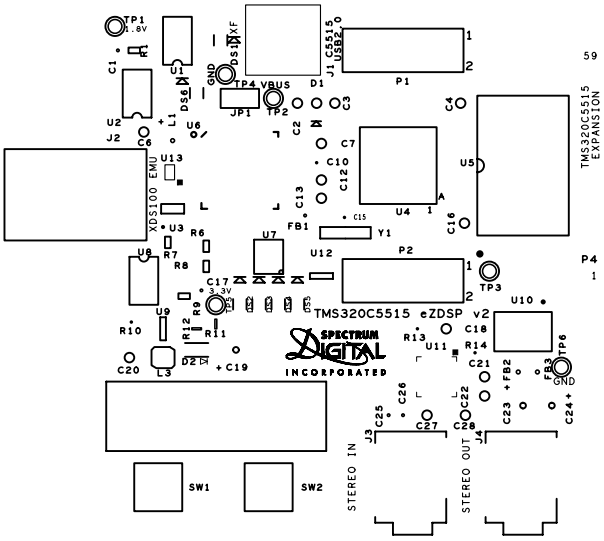
| ionDesign | TURNING CONCEPT INTO REALITY<br>4410 SHOALWOOD<br>AUSTIN, TEXAS 78756<br>(512)260-5778 | SPECTRUM DIGITAL |
| | | LAYER 1 COMPONENT: 512891 REV A |
| | | DATE: 02/24/10 |

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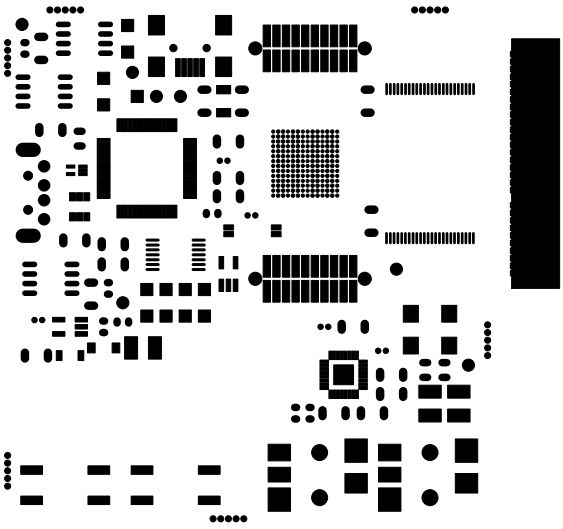
| ionDesign | TURNING CONCEPT INTO REALITY<br>4410 SHOALWOOD<br>AUSTIN, TEXAS 78756<br>(512)260-5778 | SPECTRUM DIGITAL |
| | | TSLK 512891 REV A |
| | | DATE: 02/24/10 |



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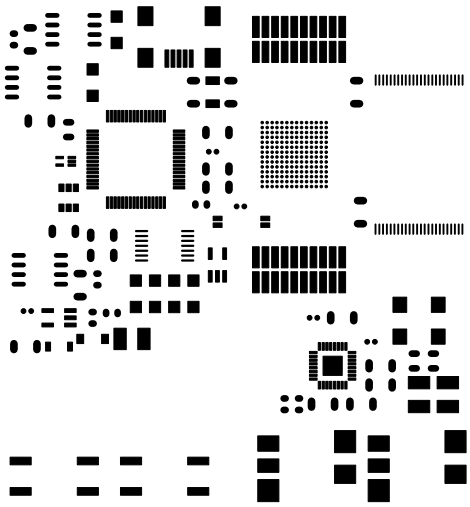
| | SMC | 512891 REV A |
| | DATE: 02/24/10 | |



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| ionDesign | TURNING CONCEPT INTO REALITY<br>4410 SHOALWOOD<br>AUSTIN, TEXAS 78756<br>(512)260-5778 | SPECTRUM DIGITAL |
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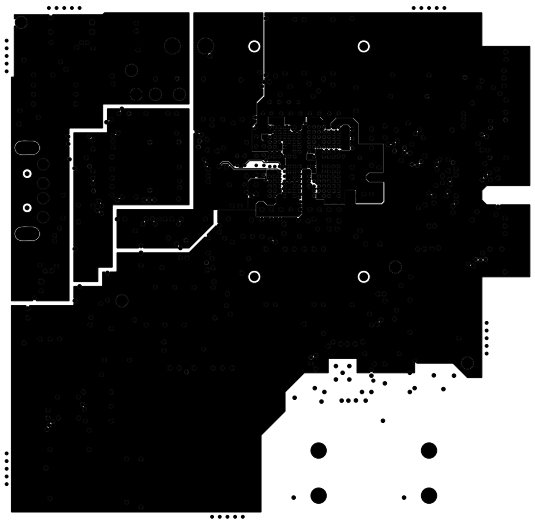

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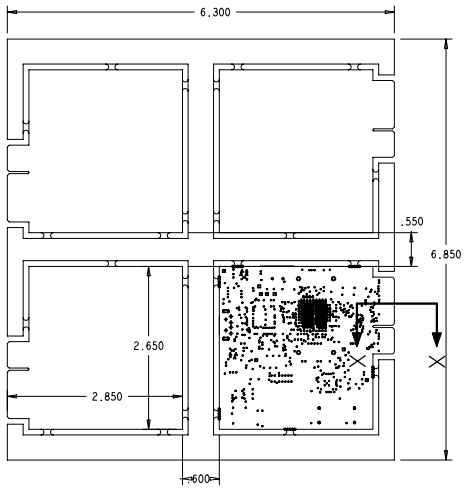
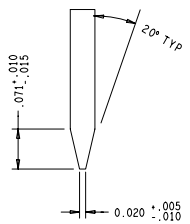
| ionDesign<br>TURNING CONCEPT INTO REALITY<br>4410 SHOALWOOD<br>AUSTIN, TEXAS 78756<br>(512)260-5778 | SPECTRUM DIGITAL | |
| | LAYER 5<br>POWER | 512891 REV A |
| | DATE: 02/24/10 | |




DRILL

| DRILL CHART, TOP to BOTTOM | | | |
|---|---|---|---|
| ALL UNITS ARE IN MILS | | | |
| FIGURE | SIZE | PLATED | QTY |
| ▲ | 8.0 | PLATED | 284 |
| ● | 9.0 | PLATED | 526 |
| ▲ | 11.5 | PLATED | 7 |
| ◆ | 30.0 | PLATED | 4 |
| ■ | 40.0 | PLATED | 8 |
| ◆ | 43.0 | PLATED | 2 |
| ● | 62.0 | PLATED | 4 |
| ● | 22.0 | NON-PLATED | 30 |
| ◆ | 35.0 | NON-PLATED | 2 |
| ◎ | 65.0 | NON-PLATED | 4 |
| ⊡ | 86.0x40.0 | PLATED | 2 |




VIEW X - X
SCALE: NONE

9. 5.1 MIL LINES ON LAYERS 1 AND 6 TO BE 90 OHMS DIFFERENTIAL.
8. IMPEDANCE CONTROL TO 50 OHMS FOR 4 MIL TRACES.
7. SURFACE FINISH SHALL BE IMMERSION GOLD.
6. FINISHED BOARD SHALL BE FREE OF BURRS ON EDGES.
5. PLATED THRU HOLE SIZE TOLERANCES SHALL BE +/- .003 INCH.
   UNPLATED THRU HOLE SIZE TOLERANCES SHALL BE +/- .002 INCH.
4. SOLDERMASK ON BOTH SIDES OF THE BOARD SHALL BE S.M.O.B.C., LPI, COLOR GREEN.
3. MINIMUM TRACE AND SPACE SHALL BE .0035 OF AN INCH.
2. COPPER PLATED SURFACE CONDUCTORS SHALL BE THE EQUIVALENT OF 1 OZ. COPPER AFTER PLATING. PLANE LAYERS SHALL BE 1 OZ. COPPER. AVERAGE COPPER ON THE WALL OF THE PLATED HOLE SHALL BE .001 INCH.
1 TOTAL BOARD THICKNESS SHALL BE .062 +/- .007 INCHES.
   ALL MATERIAL SHALL BE NEMA GRADE FR-4 OR EQUIVALENT. (Tg>=170 DEG. C)

NOTES: UNLESS OTHERWISE SPECIFIED

| | | | |
|---|---|---|---|
| DATE 02/24/10 | APPROVED | | CUSTOMER NAME |
| DESIGN ENGR | CHECKED | | |
| PROJECT ENGR | DRAFTING | Tom K | FABRICATION DRAWING, |
| ENGR MGR | ENGR | | TMS320C5515 DSP USB STICK, WITH XDS100V2 |
| NEXT ASSEMBLY | TOLERANCES UNLESS OTHERWISE SPECIFIED X.XX ± 0.01 X.XXX ± 0.005 ANGLES ± 1/2° DO NOT SCALE DRAWING | | SCALE NONE / SHEET 1 OF 1 / 512891 REV A / SIZE D |

CAM350 V 10.0 : Fri Feb 26 10:51:39 2010 - (Untitled)