

NOTES: UNLESS OTHERWISE SPECIFIED

1. MARK ASSEMBLY REVISION LETTER AND SERIAL NUMBER IN SPACES PROVIDED.

REV	ECN NO	CLASS	DRAFTER	DATE	DATE

REVISIONS

1

2

3

4

5

6

7

8

DWN	TOM KRAUSKOPF	DATE	6-25-09																																		
CHK																																					
ENGR-DISEN																																					
ENGR-MGR	RON PETERSON	DATE	6-25-09																																		
QA																																					
MFG																																					
PLSE																																					
<p>UNLESS OTHERWISE SPECIFIED</p> <ul style="list-style-type: none"> DIMENSIONS ARE IN INCHES ANGLES ± 1° 1 PLACE DECIMALS ±.010 2 PLACE DECIMALS ±.02 <p>REMOVE ALL BURRS AND SHARP EDGES. DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE. DIMENSIONAL LIMITS APPLY AFTER PROCESSES</p>																																					
<p>HOLE DIAMETER TOLERANCE</p> <table border="1"> <tr> <td>Ø13</td> <td>+ .004</td> </tr> <tr> <td>Ø16</td> <td>+ .005</td> </tr> <tr> <td>Ø20</td> <td>+ .006</td> </tr> <tr> <td>Ø25</td> <td>+ .007</td> </tr> <tr> <td>Ø30</td> <td>+ .008</td> </tr> <tr> <td>Ø35</td> <td>+ .009</td> </tr> <tr> <td>Ø40</td> <td>+ .010</td> </tr> <tr> <td>Ø45</td> <td>+ .011</td> </tr> <tr> <td>Ø50</td> <td>+ .012</td> </tr> <tr> <td>Ø55</td> <td>+ .013</td> </tr> <tr> <td>Ø60</td> <td>+ .014</td> </tr> <tr> <td>Ø65</td> <td>+ .015</td> </tr> <tr> <td>Ø70</td> <td>+ .016</td> </tr> <tr> <td>Ø75</td> <td>+ .017</td> </tr> <tr> <td>Ø80</td> <td>+ .018</td> </tr> <tr> <td>Ø85</td> <td>+ .019</td> </tr> <tr> <td>Ø90</td> <td>+ .020</td> </tr> </table>				Ø13	+ .004	Ø16	+ .005	Ø20	+ .006	Ø25	+ .007	Ø30	+ .008	Ø35	+ .009	Ø40	+ .010	Ø45	+ .011	Ø50	+ .012	Ø55	+ .013	Ø60	+ .014	Ø65	+ .015	Ø70	+ .016	Ø75	+ .017	Ø80	+ .018	Ø85	+ .019	Ø90	+ .020
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<p>SIZE DRAWING NO 512320</p>																																					
<p>SCALE 1:1</p>																																					
<p>SHEET 1 OF 1</p>																																					



ASSY, TMS320VC5505 DSP
USB STICK

SIZE DRAWING NO 512320

SCALE 1:1

SHEET 1 OF 1

1

2

3

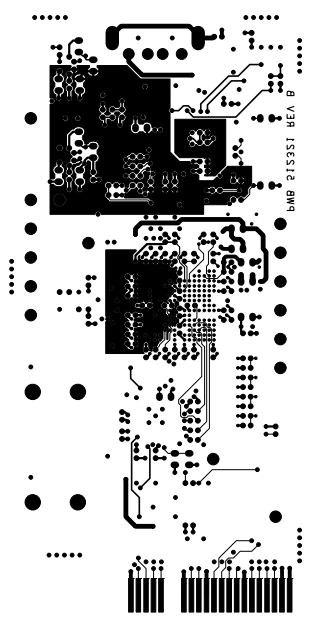
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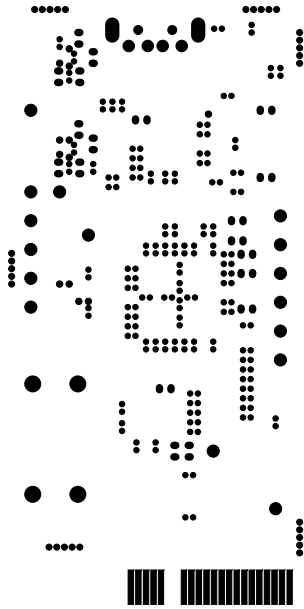
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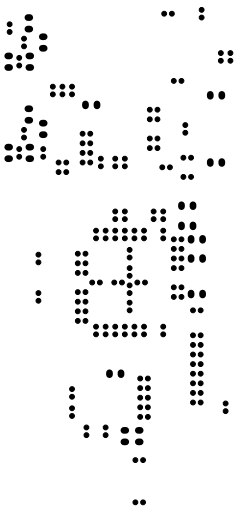
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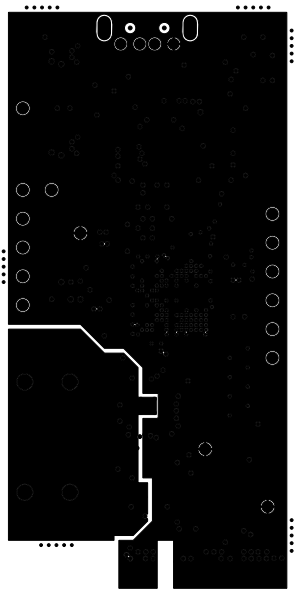
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	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778	
SPECTRUM DIGITAL		
LAYER 6	512321 REV B	
DATE : 06/24/09		


 <p>TURNING CONCEPT INTO REALITY</p> <p>4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778</p>	
SPECTRUM DIGITAL	
SMS	512321 REV B
DATE : 06/24/09	



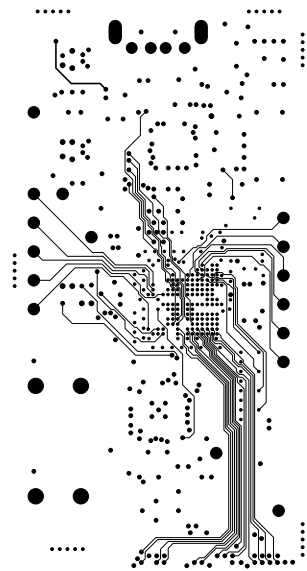


 ionDesign	
TURNING CONCEPT INTO REALITY	
4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778	
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SPS	512321 REV B
DATE : 06/24/09	

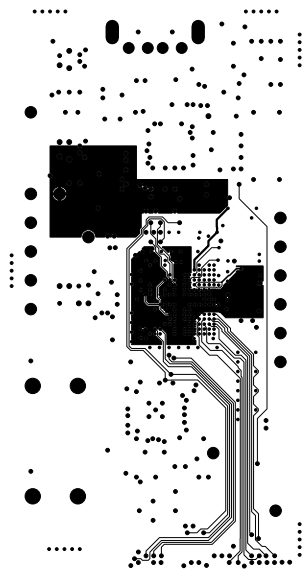


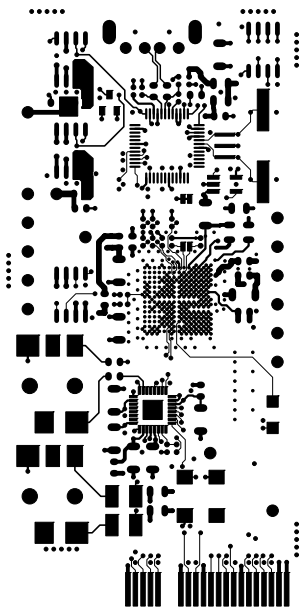
 TURNING CONCEPT INTO REALITY	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778	
	SPECTRUM DIGITAL	LAYER 2 GROUND
DATE : 06/24/09		512321 REV B


LAYER 3
SIGNAL

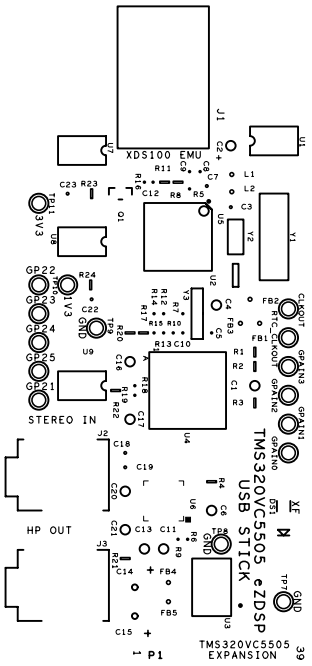



LAYER 4
SIGNAL




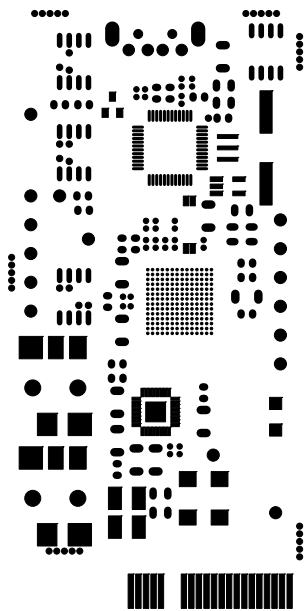


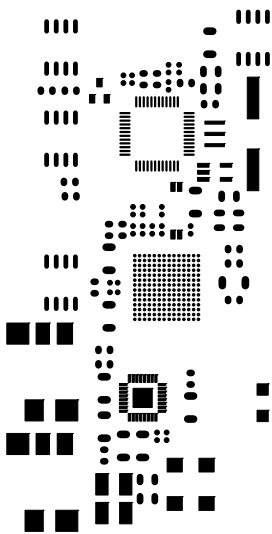
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SPECTRUM DIGITAL	
LAYER 1 COMPONENT	512321 REV B
DATE: 06/24/09	




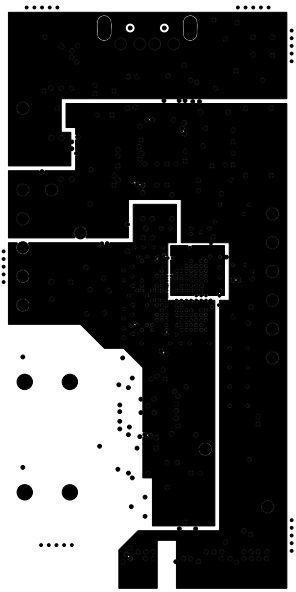
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DATE : 06/24/09		


 TURNING CONCEPT INTO REALITY 4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778	SPECTRUM DIGITAL	
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DATE : 06/24/09		

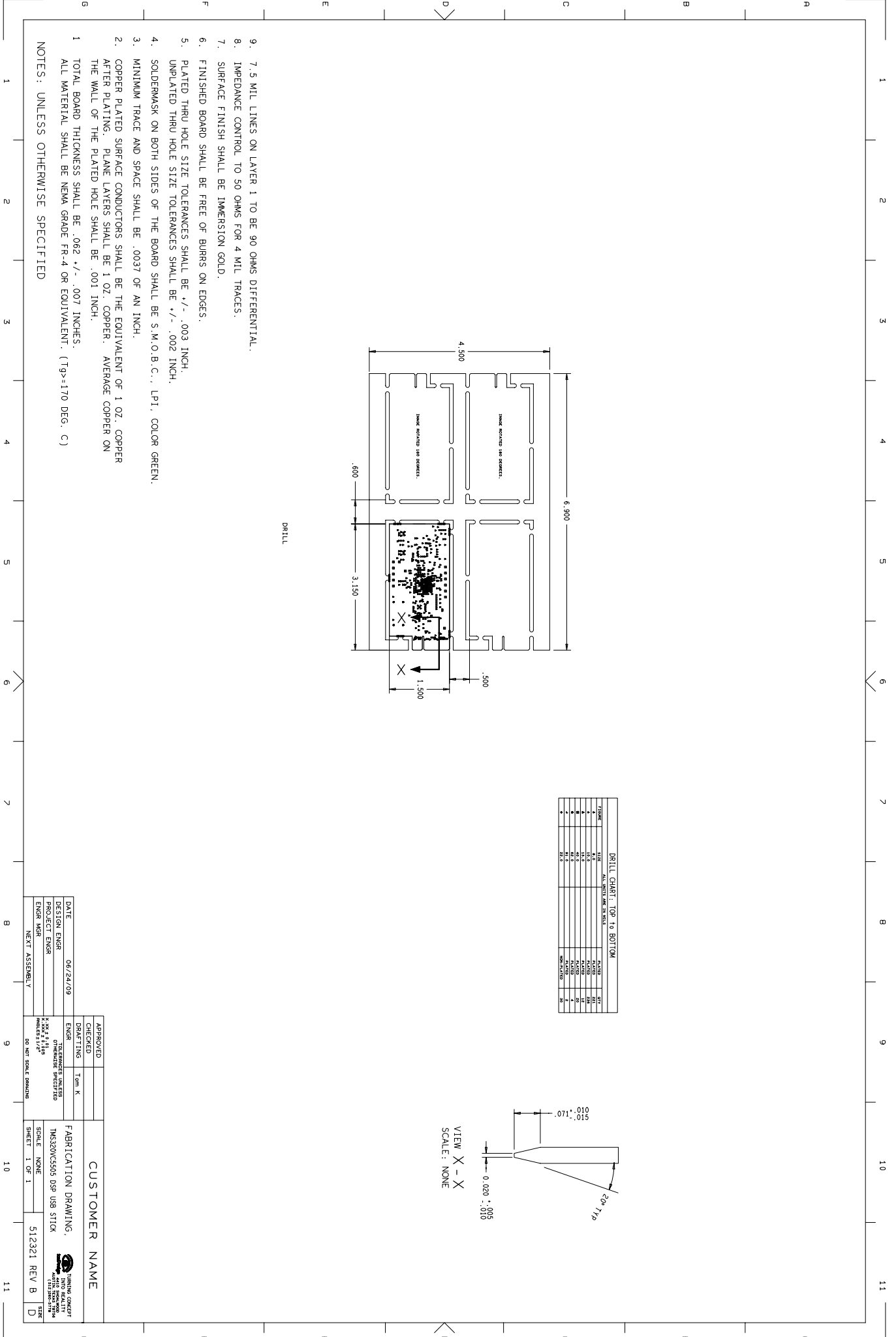




 <p>TURNING CONCEPT INTO REALITY</p> <p>4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778</p>		SPECTRUM DIGITAL	
SPC		512321 REV B	
DATE : 06/24/09			

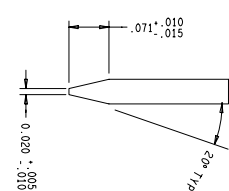


 <p>TURNING CONCEPT INTO REALITY</p> <p>4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778</p>		SPECTRUM DIGITAL	
LAYER 5 POWER		512321 REV B	
DATE : 06/24/09			



DRILL CHART: TOP to BOTTOM

DRILL	SIZE	AMOUNT	DATE	BY
1	0.010	1	06/24/09	Tom K
2	0.010	1	06/24/09	Tom K
3	0.010	1	06/24/09	Tom K
4	0.010	1	06/24/09	Tom K
5	0.010	1	06/24/09	Tom K
6	0.010	1	06/24/09	Tom K
7	0.010	1	06/24/09	Tom K
8	0.010	1	06/24/09	Tom K
9	0.010	1	06/24/09	Tom K
10	0.010	1	06/24/09	Tom K
11	0.010	1	06/24/09	Tom K
12	0.010	1	06/24/09	Tom K
13	0.010	1	06/24/09	Tom K
14	0.010	1	06/24/09	Tom K
15	0.010	1	06/24/09	Tom K
16	0.010	1	06/24/09	Tom K
17	0.010	1	06/24/09	Tom K
18	0.010	1	06/24/09	Tom K
19	0.010	1	06/24/09	Tom K
20	0.010	1	06/24/09	Tom K



VIEW X - X
SCALE: NONE

9. 7.5 MIL LINES ON LAYER 1 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.
4. UNPLATED THRU HOLE SIZE TOLERANCES SHALL BE +/- .002 INCH.
3. SOLDERMASK ON BOTH SIDES OF THE BOARD SHALL BE S.M.O.B.C., LPT, COLOR GREEN.
2. MINIMUM TRACE AND SPACE SHALL BE .0037 OF AN INCH.
1. 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	06/24/09	APPROVED		CUSTOMER NAME	
DESIGN ENGR		DRAFTING	Tom K	FABRICATION DRAWING.	
PROJECT ENGR		ENGR		TMS320C5505 DSP USB STICK	
ENGR MGR		PROJECT ENGR		SCALE: NONE	
		ENGR MGR		SHEET 1 OF 1	512321 REV B
		ENGR MGR			D

