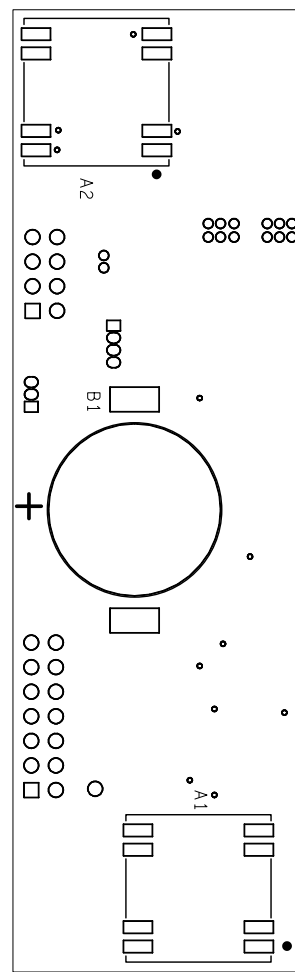
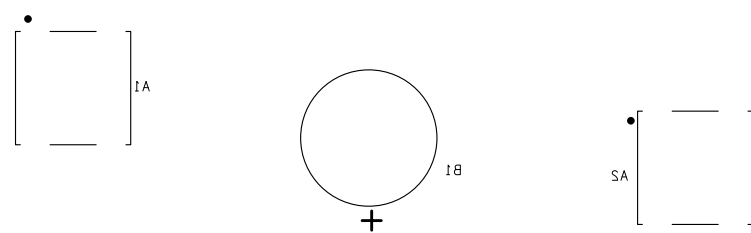


ASSEMBLY COMPONENT SIDE

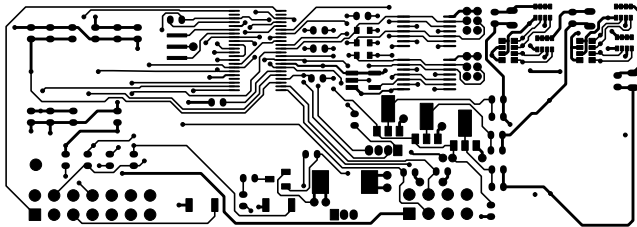



ASSEMBLY SOLDER SIDE

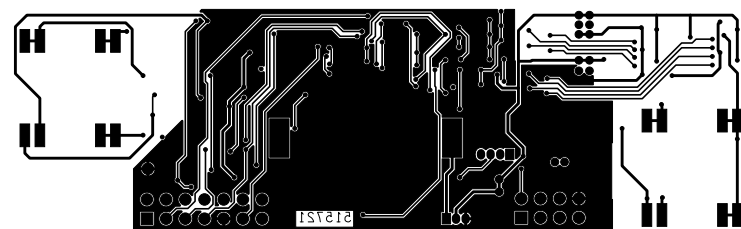
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APPROVED			
CHECKED			
DRAFTING			
ENGR			
DATE	12/07/10		
DESIGN ENGR			
PROJECT ENGR			
ENGR MGR			
NEXT ASSEMBLY			
DO NOT SCALE DRAWING			
ASSEMBLY DRAWING.			
ANTENNA BOARD			
SCALE NONE			
SHEET 1 OF 1			
515720			
D			




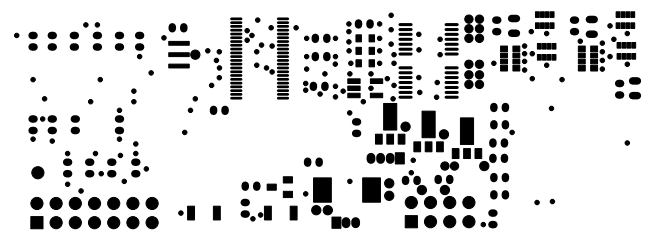
 ionDesign	TURNING CONCEPT INTO REALITY		SPECTRUM DIGITAL	
	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778		BSLK	515721
			DATE : 12/07/2011	




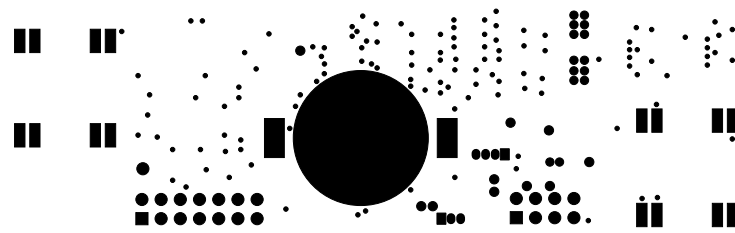
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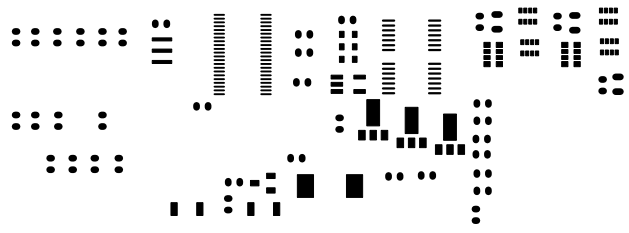
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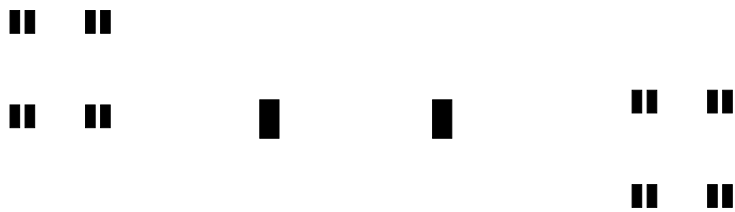
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	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778		SMC	515721
			DATE : 12/07/2011	





 ionDesign	TURNING CONCEPT INTO REALITY		SPECTRUM DIGITAL	
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			DATE : 12/07/2011	



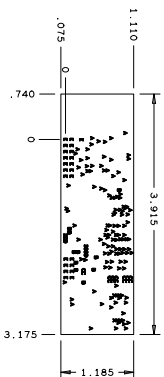
 ionDesign	TURNING CONCEPT INTO REALITY		SPECTRUM DIGITAL	
	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778		SPC	515721
			DATE : 12/07/2011	



 ionDesign	TURNING CONCEPT INTO REALITY		SPECTRUM DIGITAL	
	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778		SPS	515721
			DATE : 12/07/2011	

 ionDesign	TURNING CONCEPT INTO REALITY		SPECTRUM DIGITAL	
	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778		TSLK	515721
			DATE : 12/07/2011	

DRILL CHART: TOP TO BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
A	10.0	+0.0/-10.0	PLATED	125
B	20.0	+3.0/-3.0	PLATED	10
C	25.0	+3.0/-3.0	PLATED	14
D	31.0	+3.0/-3.0	PLATED	7
E	40.0	+3.0/-3.0	PLATED	23



1. IMPEDENCE CONTROL TO 50 OHMS.
 2. SURFACE FINISH SHALL BE IMMERSION GOLD.
 3. FINISHED BOARD SHALL BE FREE OF BURRS ON EDGES.
 4. DRC'S MUST BE RAN ON THE GERBERS BEFORE BUILDING BOARDS UNLESS PRIOR APPROVAL IS GIVEN IN WRITING.
 5. PLATED THRU HOLE SIZE TOLERANCES SHALL BE +/- .003 INCH.
 6. UNPLATED THRU HOLE SIZE TOLERANCES SHALL BE +/- .002 INCH.
 7. SOLDERMASK ON BOTH SIDES OF THE BOARD SHALL BE S.M.O.B.C., LPI, COLOR GREEN.
 8. MINIMUM TRACE AND SPACE SHALL BE .005 OF AN INCH.
 9. 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 PER IPC CLASS 2.
 10. TOTAL BOARD THICKNESS SHALL BE .062 +/- .10% INCHES.
 11. ALL MATERIAL SHALL BE NEMA GRADE FR-4 OR EQUIVALENT. (Tg>170 DEG. C)
- NOTES: UNLESS OTHERWISE SPECIFIED

- TSLK
- SMC
- LAYER 1
- LAYER 2
- SMS
- BSLK

LAYER SCHEDULE
SCALE: NONE

SPECTRUM DIGITAL			
APPROVED	CHECKED	DRAFTING	ENGR
FABRICATION DRAWING, ANTENNA BOARD			
DATE	12/07/2011	DESIGN ENGR	ENGR
PROJECT ENGR		ENGR MGR	
NEXT ASSEMBLY			
DO NOT SCALE DRAWING			
SCALE: NONE			515721
SHEET 1 OF 2			D

