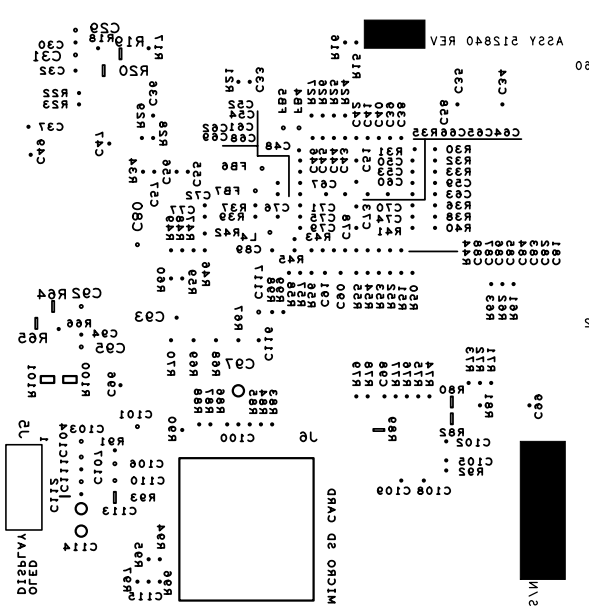

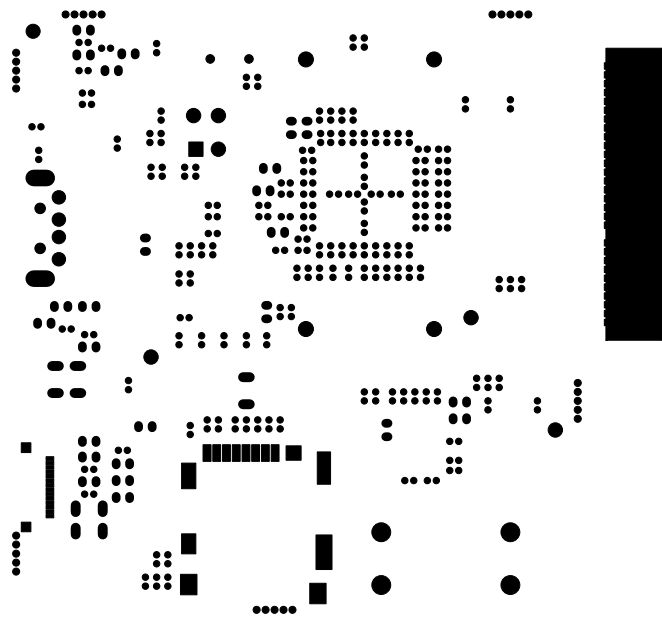


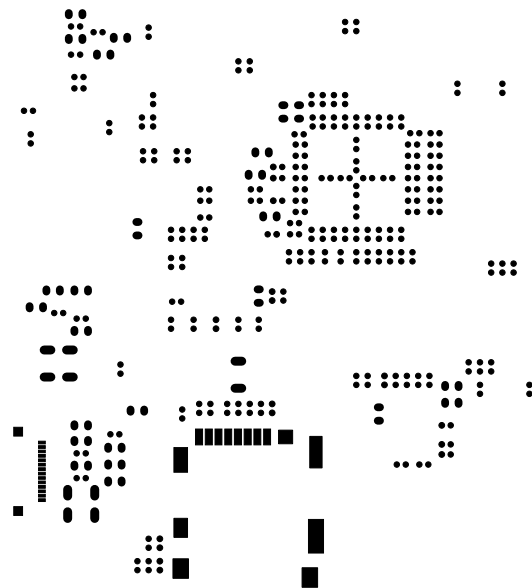
	TURNING CONCEPT INTO REALITY		SPECTRUM DIGITAL	
	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778		LAYER 6 SOLDER	512321 REV C
	DATE : 10/07/09			



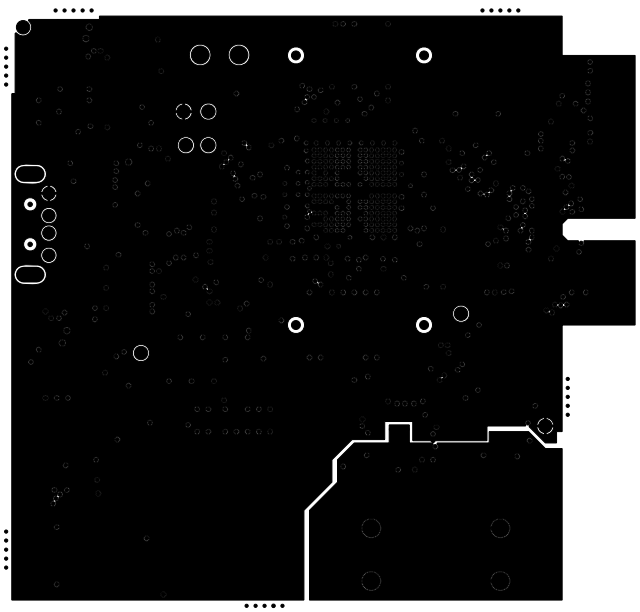
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	DATE : 10/07/09			




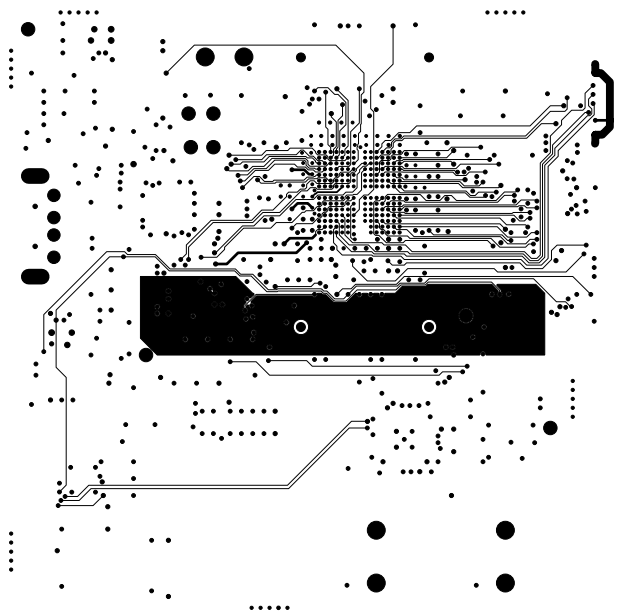
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			DATE : 10/07/09	



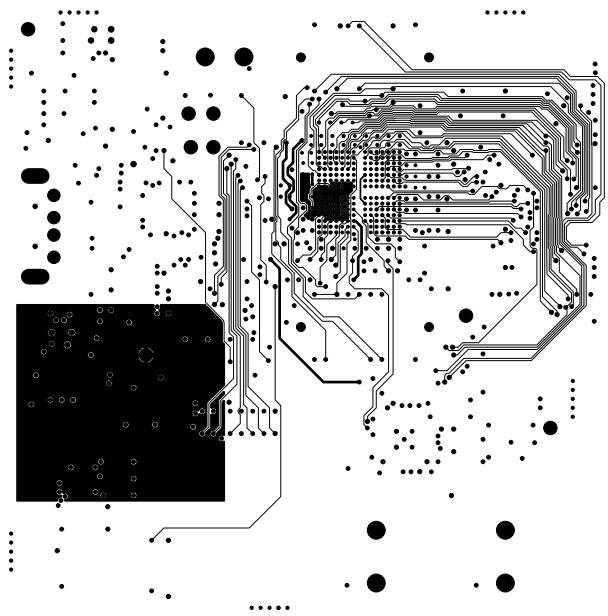
 ionDesign	TURNING CONCEPT INTO REALITY		SPECTRUM DIGITAL	
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	DATE : 10/07/09			



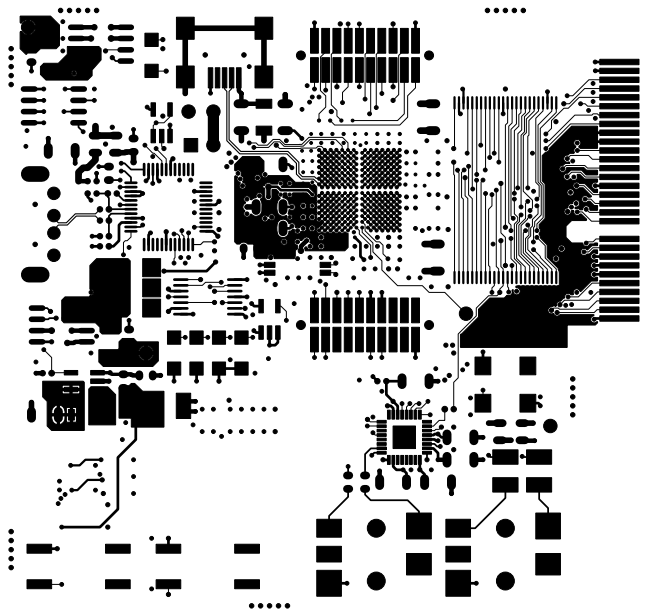
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		DATE : 10/07/09	

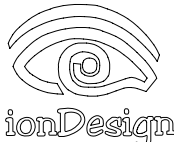


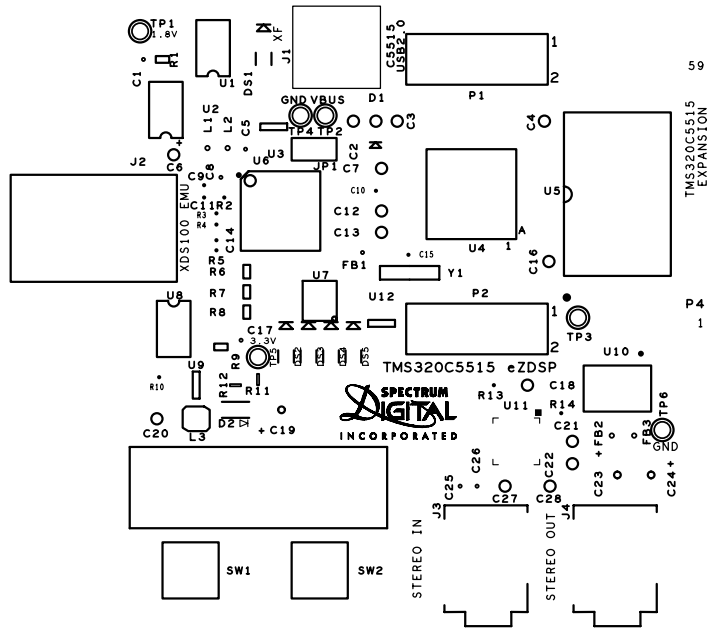
LAYER 3
SIGNAL



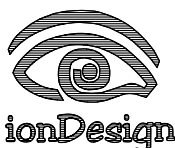
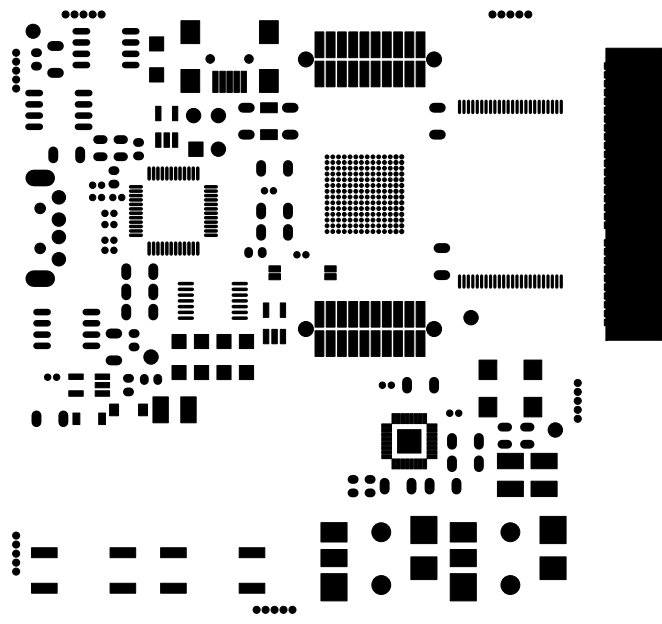
LAYER 4
SIGNAL



	TURNING CONCEPT INTO REALITY	SPECTRUM DIGITAL	
	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778	LAYER 1 COMPONENT	512321 REV C
		DATE: 10/07/09	



	TURNING CONCEPT INTO REALITY		SPECTRUM DIGITAL	
	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778		TSLK	512321 REV C
	DATE: 10/07/09			



TURNING CONCEPT
INTO REALITY

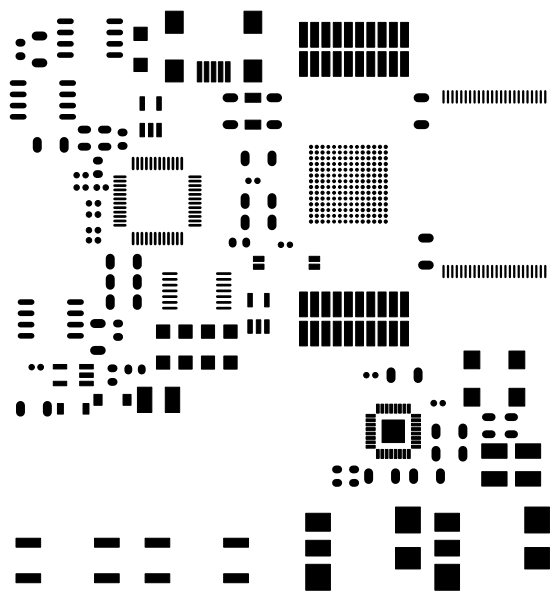
4410 SHOALWOOD
AUSTIN, TEXAS 78756
(512)260-5778

SPECTRUM DIGITAL

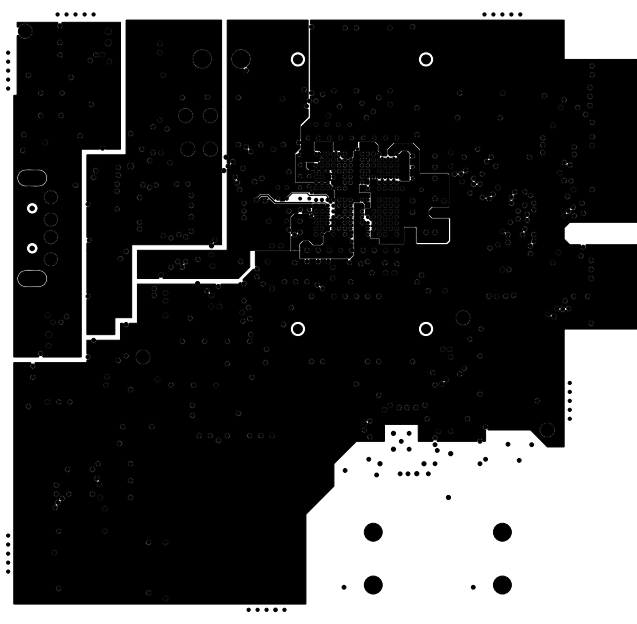
SMC


512321 REV C

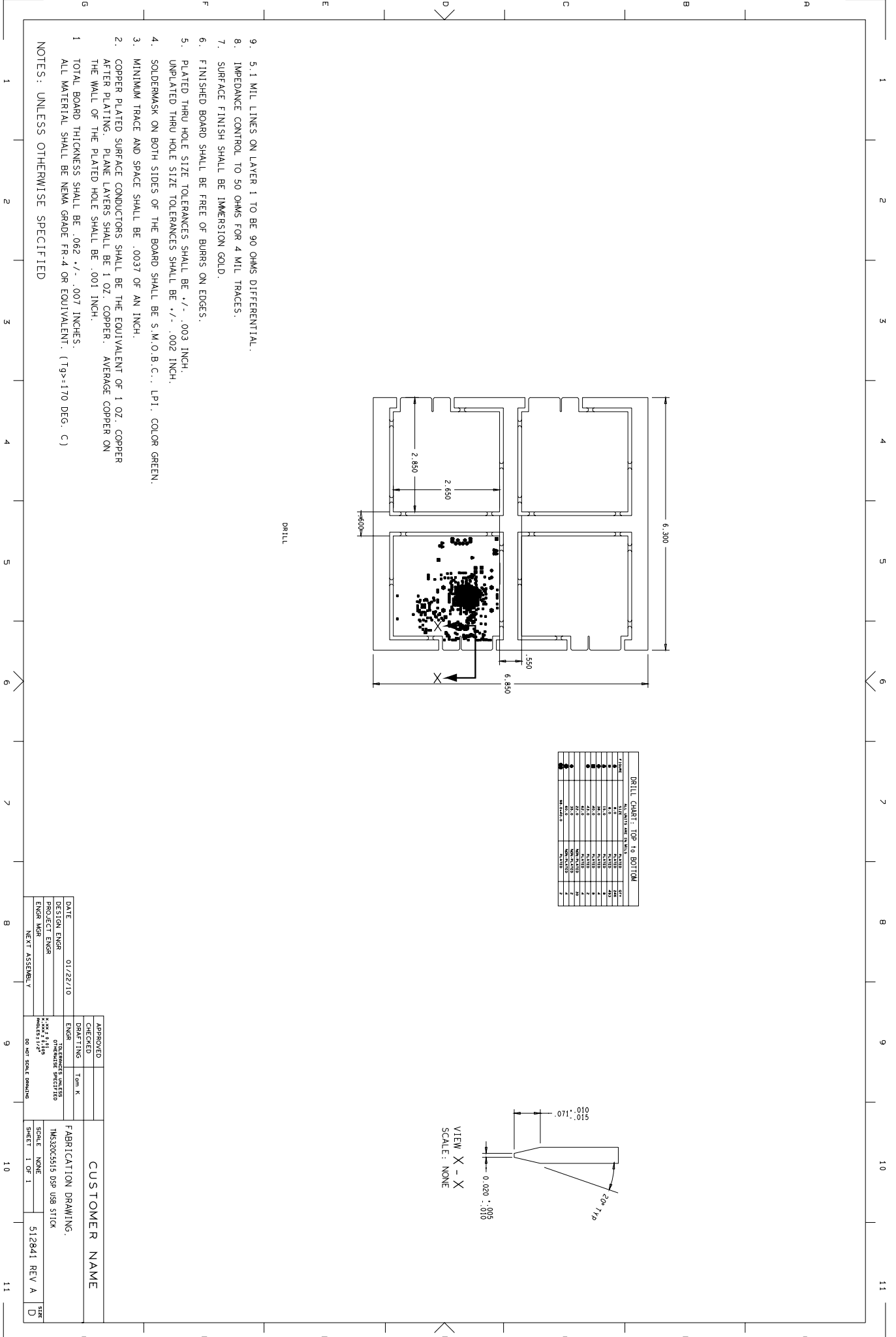
DATE : 10/07/09



 ionDesign	TURNING CONCEPT INTO REALITY		SPECTRUM DIGITAL	
	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778		SPC	512321 REV C
			DATE : 10/07/09	



 ionDesign	TURNING CONCEPT INTO REALITY	SPECTRUM DIGITAL	
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		DATE : 10/07/09	

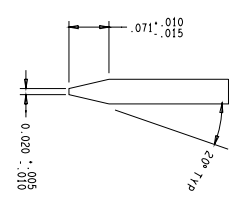


9. 5.1 MIL LINES ON LAYER 1 TO BE 90 OHMS DIFFERENTIAL.
8. IMPEDANCE CONTROL TO 50 OHMS FOR 4 MIL TRACES.
7. SURFACE FINISH SHALL BE IMMERSION GOLD.
6. FINISHED BOARD SHALL BE FREE OF BURRS ON EDGES.
5. PLATED THRU HOLE SIZE TOLERANCES SHALL BE +/- .003 INCH. UNPLATED THRU HOLE SIZE TOLERANCES SHALL BE +/- .002 INCH.
4. SOLDERMASK ON BOTH SIDES OF THE BOARD SHALL BE S.M.O.B.C.: LPT. COLOR GREEN.
3. MINIMUM TRACE AND SPACE SHALL BE .0037 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

DRILL CHART: TOP 1 to BOTTOM

NO.	SIZE	DEPTH	TYPE	QTY
1	0.071	0.010	DRILL	2
2	0.071	0.010	DRILL	2
3	0.071	0.010	DRILL	2
4	0.071	0.010	DRILL	2
5	0.071	0.010	DRILL	2
6	0.071	0.010	DRILL	2
7	0.071	0.010	DRILL	2
8	0.071	0.010	DRILL	2
9	0.071	0.010	DRILL	2
10	0.071	0.010	DRILL	2
11	0.071	0.010	DRILL	2



VIEW X - X
SCALE: NONE

DATE	01/22/10	APPROVED		CUSTOMER NAME
DESIGN ENGR		CHECKED	Tom K	FABRICATION DRAWING.
PROJECT ENGR		DRAFTING		1MS2005515 DSP USB STICK
ENGR MGR		ENGR		SCALE NONE
NEXT ASSEMBLY				SHEET 1 OF 1
				512941 REV A
				D