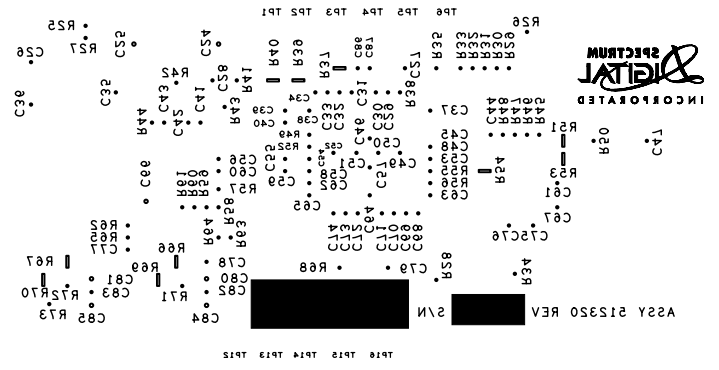

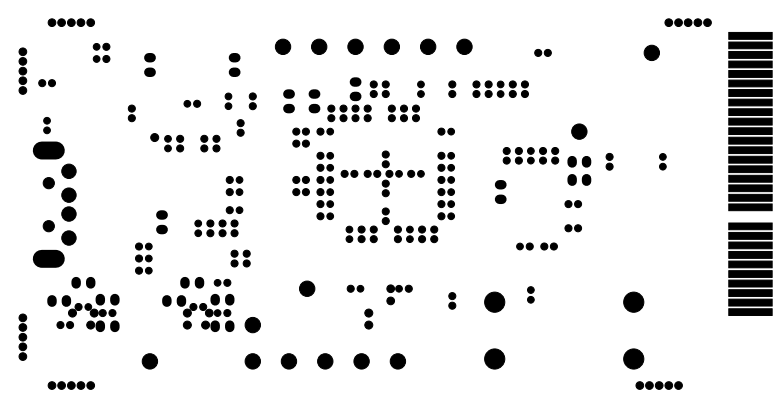
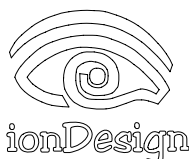


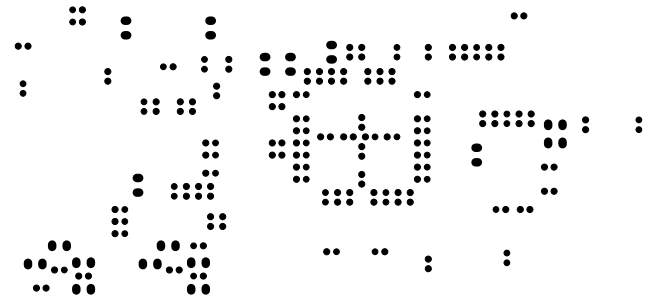
	<b>TURNING CONCEPT INTO REALITY</b>		<b>SPECTRUM DIGITAL</b>	
	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778		LAYER 6 SOLDER	512321 REV D
			DATE : 08/09/10	




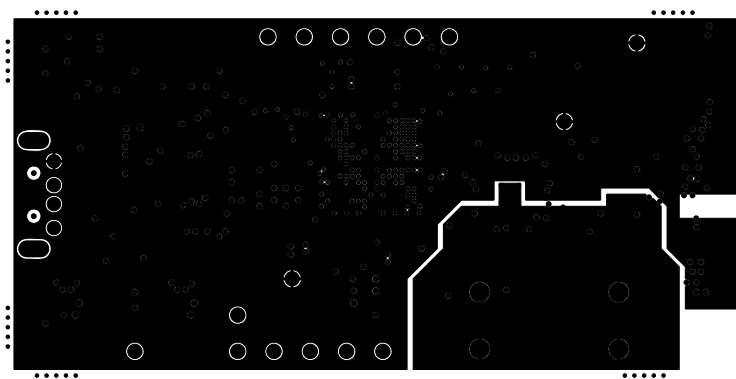
 <b>ionDesign</b>	TURNING CONCEPT INTO REALITY		SPECTRUM DIGITAL	
	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778		BSLK	512321 REV D
	DATE : 08/09/10			

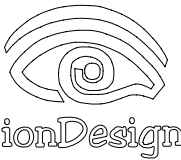


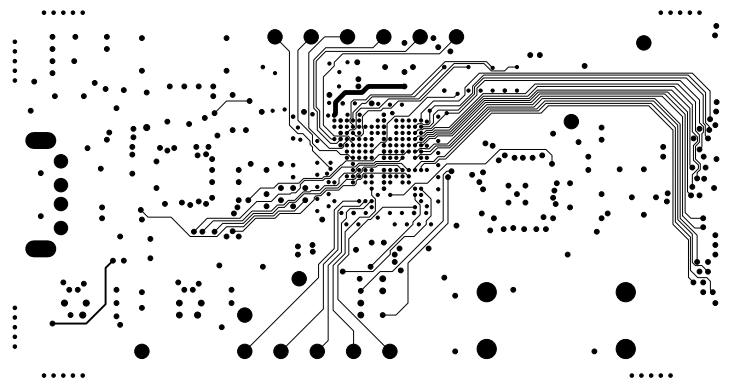
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	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778		SMS	512321 REV D
			DATE : 08/09/10	



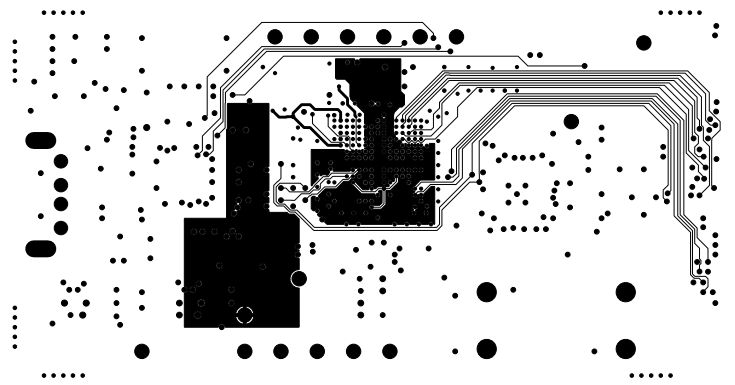
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	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778	SPS	512321 REV D
		DATE : 08/09/10	



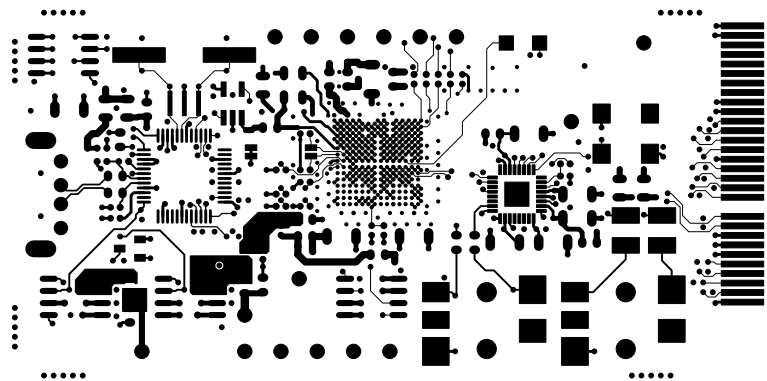
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	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778		LAYER 2 GROUND	512321 REV D
			DATE : 08/09/10	

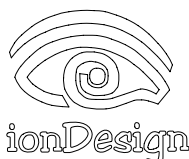


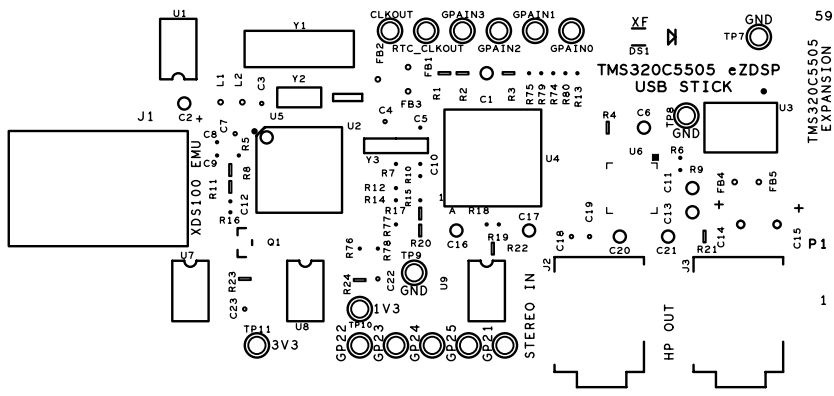
LAYER 3  
SIGNAL




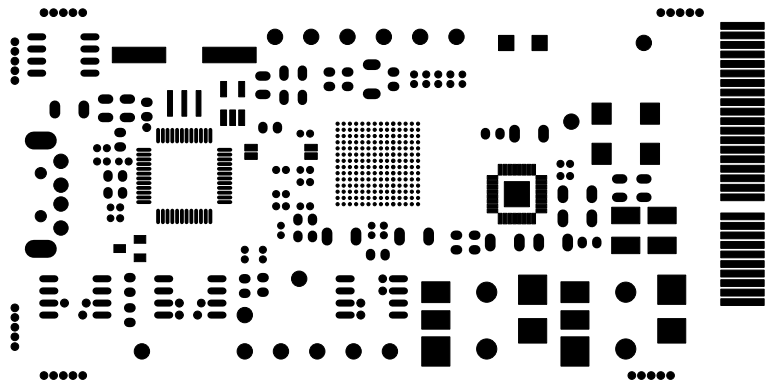
LAYER 4  
SIGNAL




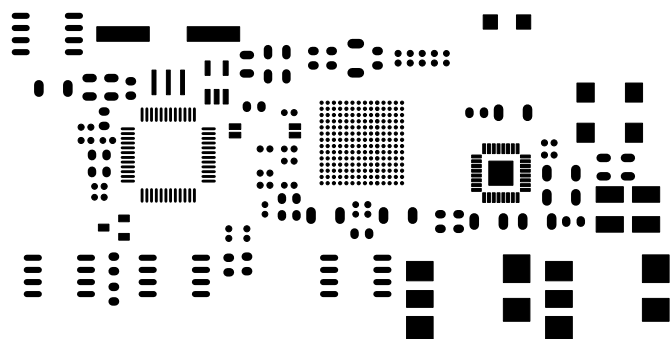
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	LAYER 1 COMPONENT	512321 REV D
	DATE : 08/09/10	



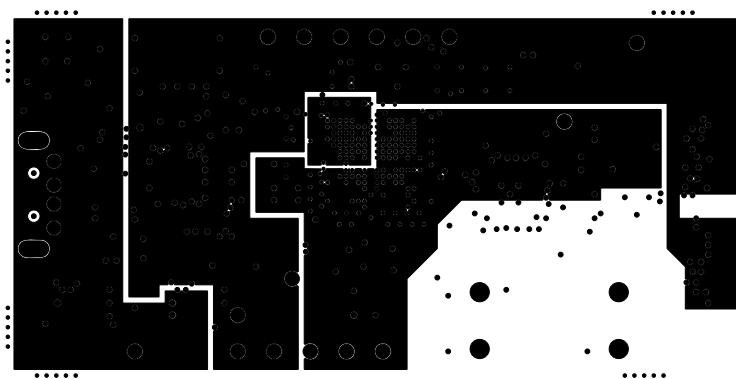
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	TSLK	512321 REV D
	DATE : 08/09/10	

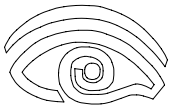


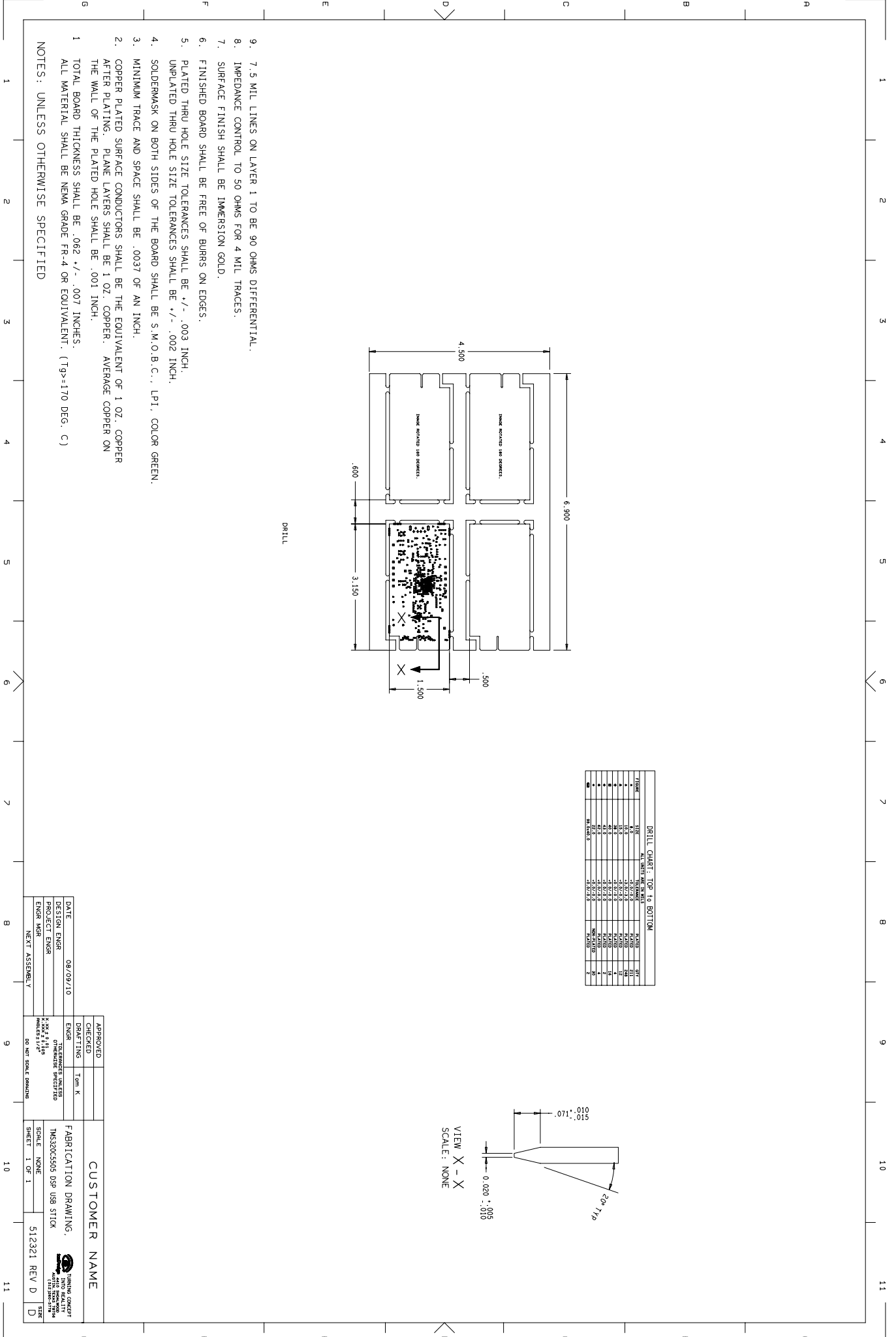
 <b>ionDesign</b>	<b>TURNING CONCEPT INTO REALITY</b>	<b>SPECTRUM DIGITAL</b>	
	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778	SMC	512321 REV D
		DATE : 08/09/10	



 <b>ionDesign</b>	<b>TURNING CONCEPT INTO REALITY</b>	<b>SPECTRUM DIGITAL</b>	
	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778	SPC	512321 REV D
		DATE : 08/09/10	

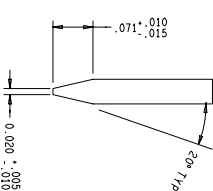


 <b>ionDesign</b>	<b>TURNING CONCEPT INTO REALITY</b>	<b>SPECTRUM DIGITAL</b>	
	4410 SHOALWOOD AUSTIN, TEXAS 78756 (512)260-5778	LAYER 5 POWER	512321 REV D
		DATE : 08/09/10	



DRILL CHART: TOP TO BOTTOM

DRILL	SIZE	QTY	DRILL	SIZE	QTY
1	0.015	1	1	0.015	1
2	0.020	1	2	0.020	2
3	0.025	1	3	0.025	3
4	0.030	1	4	0.030	4
5	0.035	1	5	0.035	5
6	0.040	1	6	0.040	6
7	0.045	1	7	0.045	7
8	0.050	1	8	0.050	8
9	0.055	1	9	0.055	9
10	0.060	1	10	0.060	10
11	0.065	1	11	0.065	11
12	0.070	1	12	0.070	12
13	0.075	1	13	0.075	13
14	0.080	1	14	0.080	14
15	0.085	1	15	0.085	15
16	0.090	1	16	0.090	16
17	0.095	1	17	0.095	17
18	0.100	1	18	0.100	18
19	0.105	1	19	0.105	19
20	0.110	1	20	0.110	20
21	0.115	1	21	0.115	21
22	0.120	1	22	0.120	22
23	0.125	1	23	0.125	23
24	0.130	1	24	0.130	24
25	0.135	1	25	0.135	25
26	0.140	1	26	0.140	26
27	0.145	1	27	0.145	27
28	0.150	1	28	0.150	28
29	0.155	1	29	0.155	29
30	0.160	1	30	0.160	30
31	0.165	1	31	0.165	31
32	0.170	1	32	0.170	32
33	0.175	1	33	0.175	33
34	0.180	1	34	0.180	34
35	0.185	1	35	0.185	35
36	0.190	1	36	0.190	36
37	0.195	1	37	0.195	37
38	0.200	1	38	0.200	38
39	0.205	1	39	0.205	39
40	0.210	1	40	0.210	40
41	0.215	1	41	0.215	41
42	0.220	1	42	0.220	42
43	0.225	1	43	0.225	43
44	0.230	1	44	0.230	44
45	0.235	1	45	0.235	45
46	0.240	1	46	0.240	46
47	0.245	1	47	0.245	47
48	0.250	1	48	0.250	48
49	0.255	1	49	0.255	49
50	0.260	1	50	0.260	50
51	0.265	1	51	0.265	51
52	0.270	1	52	0.270	52
53	0.275	1	53	0.275	53
54	0.280	1	54	0.280	54
55	0.285	1	55	0.285	55
56	0.290	1	56	0.290	56
57	0.295	1	57	0.295	57
58	0.300	1	58	0.300	58
59	0.305	1	59	0.305	59
60	0.310	1	60	0.310	60
61	0.315	1	61	0.315	61
62	0.320	1	62	0.320	62
63	0.325	1	63	0.325	63
64	0.330	1	64	0.330	64
65	0.335	1	65	0.335	65
66	0.340	1	66	0.340	66
67	0.345	1	67	0.345	67
68	0.350	1	68	0.350	68
69	0.355	1	69	0.355	69
70	0.360	1	70	0.360	70
71	0.365	1	71	0.365	71
72	0.370	1	72	0.370	72
73	0.375	1	73	0.375	73
74	0.380	1	74	0.380	74
75	0.385	1	75	0.385	75
76	0.390	1	76	0.390	76
77	0.395	1	77	0.395	77
78	0.400	1	78	0.400	78
79	0.405	1	79	0.405	79
80	0.410	1	80	0.410	80
81	0.415	1	81	0.415	81
82	0.420	1	82	0.420	82
83	0.425	1	83	0.425	83
84	0.430	1	84	0.430	84
85	0.435	1	85	0.435	85
86	0.440	1	86	0.440	86
87	0.445	1	87	0.445	87
88	0.450	1	88	0.450	88
89	0.455	1	89	0.455	89
90	0.460	1	90	0.460	90
91	0.465	1	91	0.465	91
92	0.470	1	92	0.470	92
93	0.475	1	93	0.475	93
94	0.480	1	94	0.480	94
95	0.485	1	95	0.485	95
96	0.490	1	96	0.490	96
97	0.495	1	97	0.495	97
98	0.500	1	98	0.500	98
99	0.505	1	99	0.505	99
100	0.510	1	100	0.510	100



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. 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

DATE	08/09/10	APPROVED		CUSTOMER NAME	
DESIGN ENGR		DRAFTING	Tom K	FABRICATION DRAWING,	
PROJECT ENGR		ENGR		TMS320C5050 DSP USB STICK	
ENGR MGR		PROJECT ENGR	X.K.K. & J.S.S. Masters+172"	SCALE NONE	
		ENGR MGR	DO NOT SCALE DRAWING	SHEET 1 OF 1	512321 REV D
					DATE
					BY

