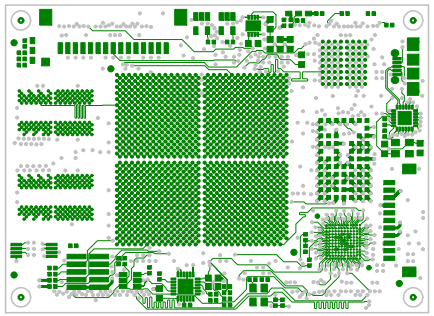
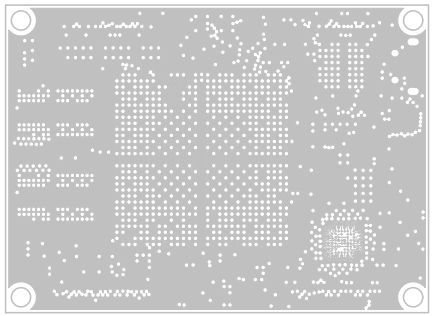
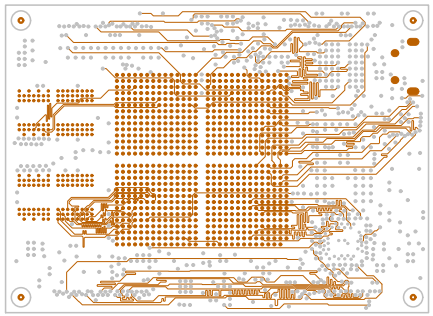


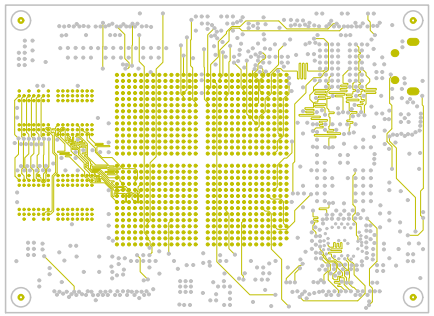
COMPONENT SIDE (L1)



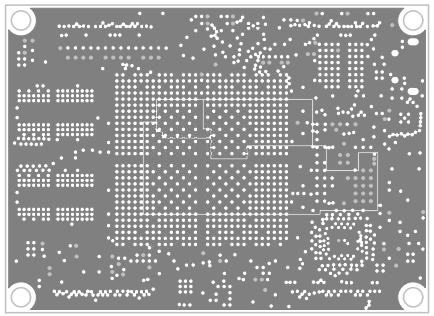
GROUND PLANE 1 (LAYER 2)



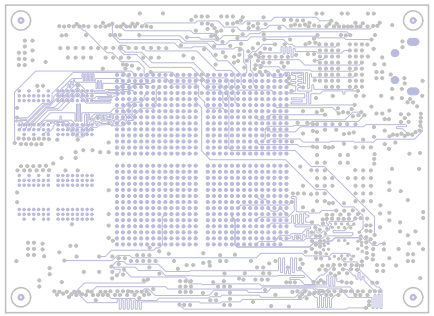
INNER SIGNAL 1 (LAYER 3)



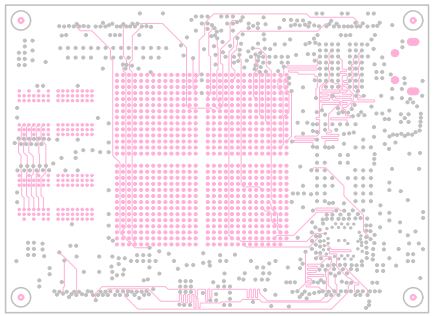
INNER SIGNAL 2 (LAYER 4)



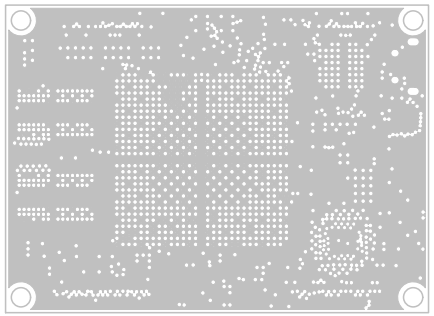
POWER PLANE 1 (LAYER 5)



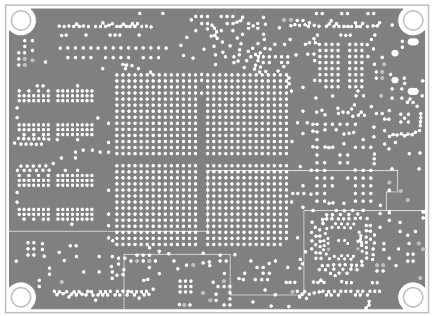
INNER SIGNAL 3 (LAYER 6)



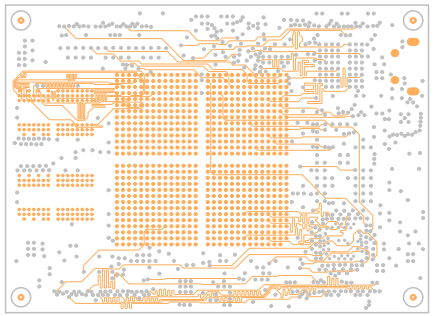
INNER SIGNAL 4 (LAYER 7)



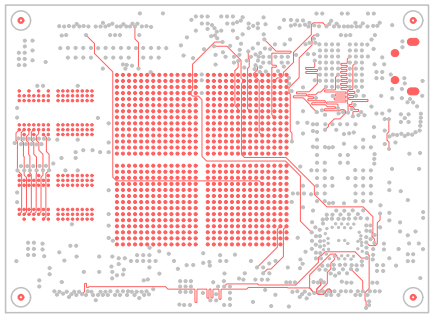
GROUND PLANE 2 (LAYER 8)



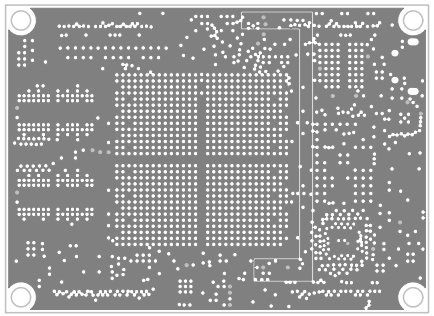
POWER PLANE 2 (LAYER 9)



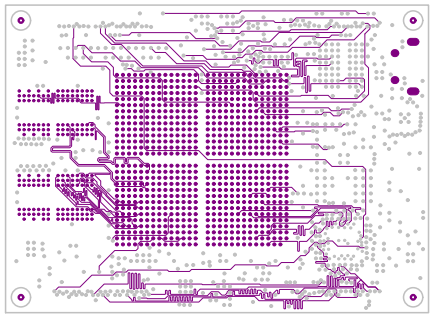
INNER SIGNAL 5 (LAYER 10)



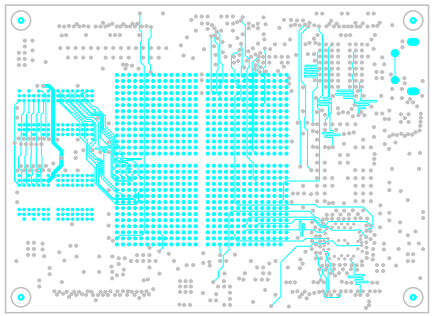
INNER SIGNAL 6 (LAYER 11)



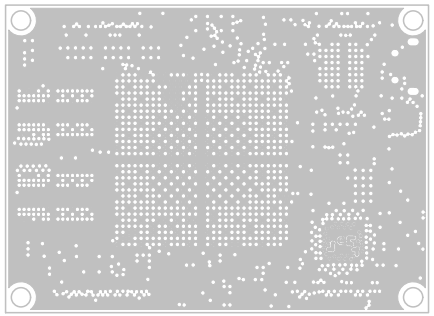
POWER PLANE 3 (LAYER 12)



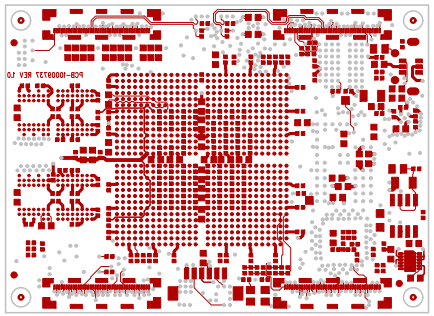
INNER SIGNAL 7 (LAYER 13)



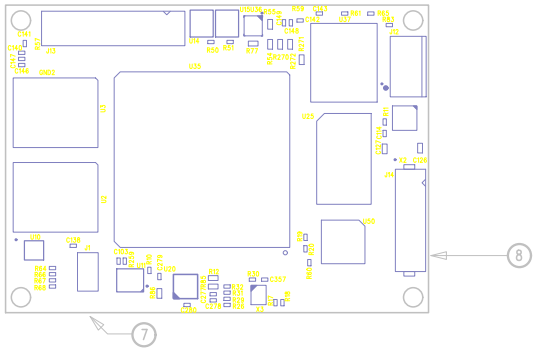
INNER SIGNAL 8 (LAYER 14)



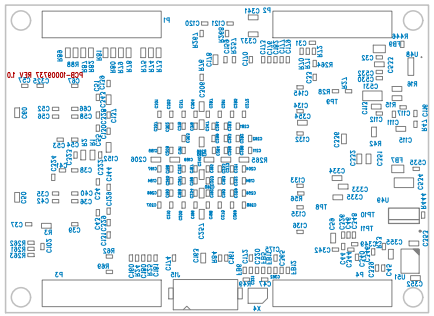
GROUND PLANE 3 (LAYER 15)



SOLDER SIDE (LAYER 16)



COMPONENT SIDE (L1) ASSEMBLY DRAWING



SOLDER SIDE (LAYER 16)

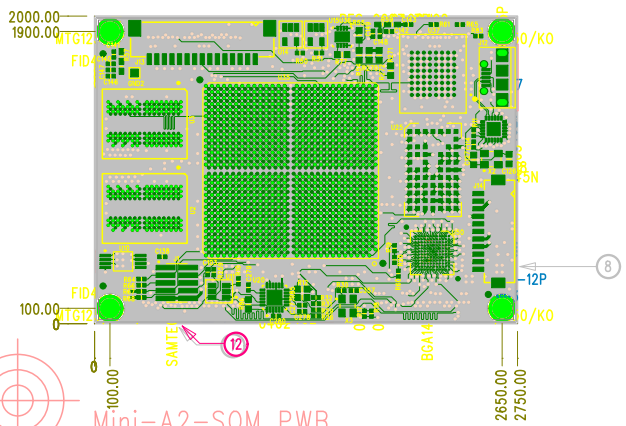
DRILL CHART: TOP TO BOTTOM			
SYM	SIZE (AFTER PLATING)	QTY	PLATED
+	.004 +.001 −.001	45	YES
X	.010 +.003 −.003	1727	YES
◻	.0295x.0334 +/−.003	2	YES
◇	.0326x.0590 +/−.003	2	YES
⧖	.125 +/−.003	2	YES

DRILL CHART: TOP TO LAYER 2			
SYM	SIZE (AFTER PLATING)	QTY	PLATED
+	.004 +.001 −.001	45	YES

DRILL CHART: LAYER 15 TO LAYER 16			
SYM	SIZE (AFTER PLATING)	QTY	PLATED
+	.004 +.001 −.001	18	YES

DRILL CHART: LAYER 2 TO LAYER 15			
SYM	SIZE (AFTER PLATING)	QTY	PLATED
+	.008 +.001 −.001	36	YES

* PASTE MASK TO BE 5 MILS THICK



Mini-A2-SOM PWB
PWB 10009737 - REVISION 1.0
OCT 18, 2012

COMPONENT SIDE (TOP)

Cust. Thk. : 62 +− 6.2
Cal. Fin.Thk : 66.1 Overall
Lamination : 61.49 +− 3.1

Drill		Fill	Type	Thk	Er	Zo	Line	Zd	Line	Space	Line	Zd	Line	Space	Line
			S/M	.5	3.20										
GA − 170	Plt		Plt	1.30											
N4000-13	Plt	0.5	Plt	.50											
N4000-13	Q1		Sig	.35		1 50.2	4.85	1 89.8	4.35	5.65	4.35 ##	1 99.7	3.90	8.10	3.90 ## 1
FR406	1080		.22 Preg	2.88	3.44										
FR406	Plt	0.5	Plt	.50											
FR406	H 2		.80 Pln	.60		2		2				2			2
FR406	.003 2113		Core	3.00	3.83										
FR406	H 3		.20 Sig	.60	3.05	3 50.0	3.65	3 90.3	3.60	4.40	3.60 ##	3 99.7	3.30	6.70	3.30 ## 3
FR406	2313		.96 Preg	3.24	3.55										
FR406	H 4		.20 Sig	.60	3.05	4 50.0	3.65	4 90.3	3.60	4.40	3.60	4 99.7	3.30	6.70	3.30 4
FR406	.003 2113		Core	3.00	3.83										
FR406	H 5	Fill	.80 Pln	.60		5		5				5			5
FR406	Plt	0.5	Plt	.50											
FR406	2313		.70 Preg	3.50	3.55										
FR406	H 6		.20 Sig	.60	3.05	6 50.2	4.35	6 90.1	4.05	3.95	4.05 ##	6 99.8	3.80	6.20	3.80 ## 6
FR406	.003 2113		Core	3.00	3.83										
FR406	H 7		.20 Sig	.60	3.05	7 50.3	4.50	7 89.9	4.15	3.85	4.15 ##	7 99.9	3.90	6.10	3.90 ## 7
FR406	2313		.48 Preg	3.72	3.55										
FR406	H 8		.80 Pln	.60		8		8				8			8
FR406	Plt	0.5	Plt	.50											
FR406	2116		.44 Preg	4.71	3.58										
FR406	Plt	0.5	Plt	.50											
FR406	H 9		.80 Pln	.60		9		9				9			9
FR406	2313		.48 Preg	3.72	3.55										
FR406	H 10		.20 Sig	.60	3.05	10 50.3	4.50	7 89.9	4.15	3.85	4.15	7 99.9	3.90	6.10	3.90 10
FR406	.003 2113		Core	3.00	3.83										
FR406	H 11		.20 Sig	.60	3.05	11 50.2	4.35	6 90.1	4.05	3.95	4.05	6 99.8	3.80	6.20	3.80 11
FR406	2313		.70 Preg	3.50	3.55										
FR406	Plt	0.5	Plt	.50											
FR406	H 12	Fill	.80 Pln	.60		12		12				12			12
FR406	.003 2113		Core	3.00	3.83										
FR406	H 13		.20 Sig	.60	3.05	13 50.0	3.65	13 90.3	3.60	4.40	3.60	13 99.7	3.30	6.70	3.30 13
FR406	2313		.96 Preg	3.24	3.55										
FR406	H 14		.20 Sig	.60	3.05	14 50.0	3.65	14 90.3	3.60	4.40	3.60	14 99.7	3.30	6.70	3.30 14
FR406	.003 2113		Core	3.00	3.83										
FR406	H 15		.80 Pln	.60		15		15				15			15
FR406	Plt	0.5	Plt	.50											
FR406	1080		.22 Preg	2.88	3.44										
FR406	Q 16		Sig	.35		16 50.2	4.85	16 89.8	4.35	5.65	4.35	16 99.7	3.90	8.10	3.90 16
FR406	Plt	0.5	Plt	.50											
FR406	Plt		Plt	1.30											
			S/M	.5	3.20										

LAYUP DETAIL: 16 LAYER PWB

STACKUP MUST ACHIEVE 50 ohms (+/− 10%)