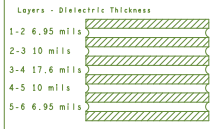
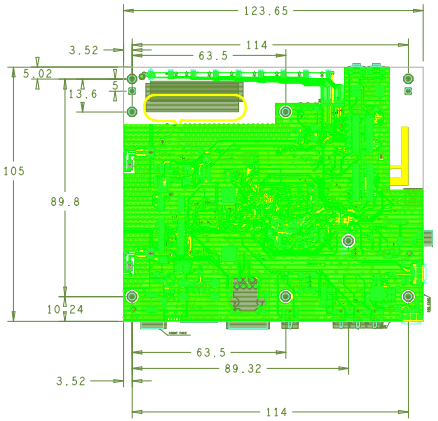
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	10-10-11	X.X.



		FINISHED Cu WEIGHT
LAYER 1	COMPONENT SIDE	1oz
LAYER 2	GROUND PLANE 1	1oz
LAYER 3	INTERNAL SIG.	1/2oz
LAYER 4	POWER PLANE	1oz
LAYER 5	GROUND PLANE 2	1oz
LAYER 6	SOLDER SIDE	1oz

DETAIL A
LAYER STACKUP
SCALE: NONE



DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILLIMETERS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	0.3048	+0.0508/-0.0508	PLATED	1
∘	0.3048	+0.0762/-0.0762	PLATED	2074
◆	0.889	+0.0508/-0.0508	PLATED	22
◉	0.9398	+0.0762/-0.0762	PLATED	8
◎	0.9652	+0.0762/-0.0762	PLATED	4
◎	1.016	+0.0762/-0.0762	PLATED	8
▲	1.3462	+0.0762/-0.0762	PLATED	4
▣	1.5748	+0.0762/-0.0762	PLATED	2
⊕	2.286	+0.0762/-0.0762	PLATED	4
Ⓐ	3.2004	+0.0762/-0.0762	PLATED	2
◆	0.889	+0.0508/-0.0508	NON-PLATED	4
◎	1.016	+0.0508/-0.0508	NON-PLATED	2
⊠	1.1176	+0.0508/-0.0508	NON-PLATED	1
▲	1.6002	+0.0508/-0.0508	NON-PLATED	1
⊟	2.3876	+0.0508/-0.0508	NON-PLATED	2
⓪	2.9972	+0.0508/-0.0508	NON-PLATED	8
⓪	3.2512	+0.0508/-0.0508	NON-PLATED	2
•	0.8636x0.762	+0.0508/-0.0508	PLATED	2
•	0.8636x0.762	+0.0508/-0.0508	PLATED	2
▭	1.4986x0.8382	+0.0508/-0.0508	PLATED	2
▭	1.4986x0.8382	+0.0508/-0.0508	PLATED	2
▯	2.032x1.016	+0.0762/-0.0762	PLATED	3
▯	4.191x1.016	+0.0762/-0.0762	PLATED	1
▭	4.191x1.016	+0.0762/-0.0762	PLATED	2
▭	1.2446x0.889	+0.0508/-0.0508	NON-PLATED	4

NOTES (UNLESS OTHERWISE SPECIFIED)

1. TARGET TRACE IMPEDANCE :
   120um width, single ended : 75 Ohm
   120um width, 120um gap, differential : 100 Ohm
   150um width, 100um gap, differential : 90 Ohm

2. BOARD STACKUP : SEE DETAIL A

3. FINISHED BOARD THICKNESS : 1.5mm

4. MINIMUM CONDUCTIVE WIDTH/SPACING 0.1mm/0.1mm

4. PLATING FINISH - BOTH SIDES ENIG
   (ELECTROLESS NICKEL IMMERSION GOLD)
   0.5080-0.232 um OF GOLD OVER
   0.5080-0.232 um OF NICKEL

5. BASE MATERIAL - LAMINATE AND PREPREG SHALL MEET IPC4101A-94
   MAXIMUM HALOGEN CONTENT - 0.10ppm
   TG - GREATER THAN OR EQUAL TO 150 DEGREES CELSIUS
   Td - GREATER THAN OR EQUAL TO 330 DEGREES CELSIUS

6. THE PWB MUST BE LEAD FREE ASSEMBLY COMPATIBLE AND MUST BE TO HANDLE A MINIMUM OF 5 CYCLES AT 260 DEGREES CELSIUS FOR 10 SECONDS

7. SOLDERMASK - GREEN COLOR, BOTH SIDES

8. SILKSCREEN - WHITE, BOTH SIDES, NO SILK ON PADS

9. PRINTED CIRCUIT BOARD IS TO BE INDIVIDUALLY BAGGED

10. SUPPLIER MARKINGS : CONSULT FREESCALE

11. THE PWB WILL BE MARKED LEAD FREE BY USE OF AN INK STAMP

12. THE PWB WILL BE MARKED LEAD FREE PROCESS COMPATIBLE BY USE OF AN INK STAMP

13. FINISHED PCB MUST BE PANELIZED FOR ASSEMBY

13. DRCs MUST BE RUN ON THE GERBER BEFORE BUILDING BOARDS

___ PUBI (PUBLIC INFORMATION)
X FIUO (FREESCALE INTERNAL USE ONLY)
___ FCP (FREESCALE CONFIDENTIAL PROPRIETARY)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:
DECIMALS ANGLES
.XX ±.01 ±5-30'
.XXX ±.005
√ RMS ALL MACHINED SURFACES
BREAK ALL SHARP EDGES AND CORNERS. REMOVE BURRS.
UNDERLINED DIM. NOT TO SCALE.
THIRD ANGLE ORTHOGRAPHIC PROJECTION IS USED.

PART NO. 170-XXXXX

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO FREESCALE AND SHALL NOT BE USED FOR ENGINEERING DESIGN PROCUREMENT OR MANUFACTURE IN WHOLE OR IN PART WITHOUT THE CONSENT OF FREESCALE.

APPROVALS	DATE
DRAWN XXXXX	XX-XX-11
CHECKED XXXXX	XX-XX-11
DESIGN ENGINEER XXXXX	XX-XX-11

FREESCALE SEMICONDUCTOR
6501 WILLIAM CANNON DRIVE WEST AUSTIN, TEXAS 78735 USA

TITLE: HOME HEALTH HUB PCB revision 2

SIZE	CAD FILE NAME	DWG. NO.	REV
D	LAY-XXXXX	FAB-XXXXX	A

SCALE | DO NOT SCALE DRAWING | SHEET OF