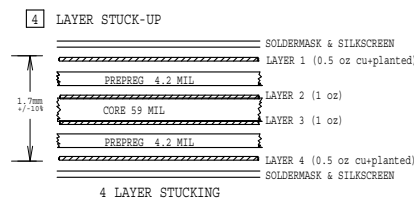
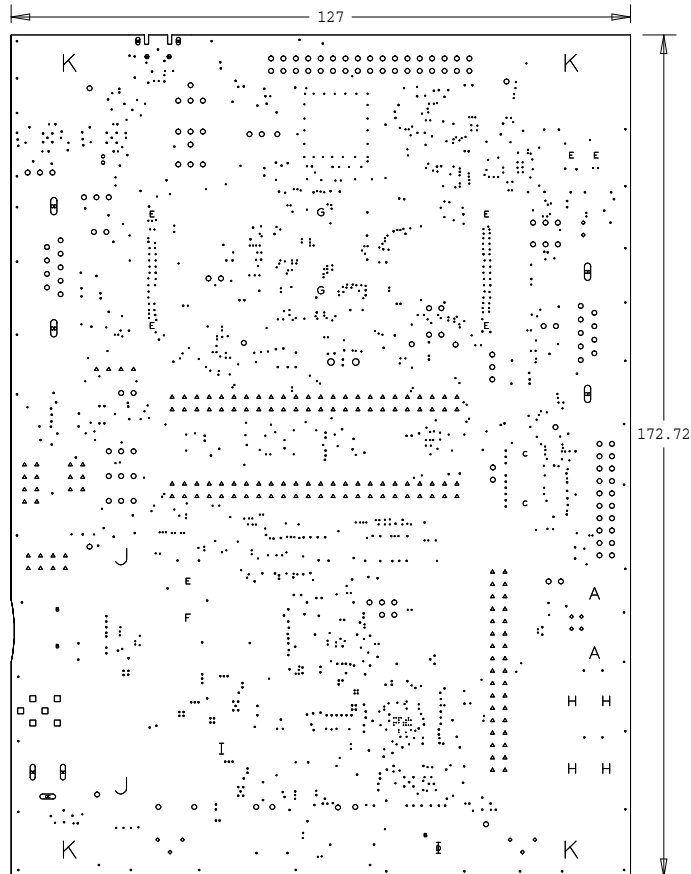


LAYER	TRACE (mil)	SPACING (mil)	IMPEDANCE (Single end)	IMPEDANCE (Differential)	TOLERANCE
1,4	5.0	N/A	55 OHM	N/A	+/-10%
1,4	6.1	8.9	N/A	90 OHM	+/-10%



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1.0	EDITION ORIGINALE	2008-**-**	***



DRILL CHART: TOP to BOTTOM					
ALL UNITS ARE IN MILS					
FIGURE	SIZE	TOLERANCE	PLATED	ROTATION	QTY
•	6.0	+3.0/-3.0	PLATED	-	23
•	8.0	+3.0/-3.0	PLATED	-	6
•	10.0	+3.0/-3.0	PLATED	-	767
•	12.0	+3.0/-3.0	PLATED	-	547
◦	25.0	+3.0/-3.0	PLATED	-	2
◦	30.0	+3.0/-3.0	PLATED	-	12
▲	36.0	+3.0/-3.0	PLATED	-	156
◦	38.0	+3.0/-3.0	PLATED	-	18
◦	40.0	+3.0/-3.0	PLATED	-	128
□	48.0	+3.0/-3.0	PLATED	-	6
○	53.0	+3.0/-3.0	PLATED	-	2
A	95.0	+3.0/-3.0	PLATED	-	2
•	28.0	+2.0/-2.0	NON-PLATED	-	3
c	38.0	+2.0/-2.0	NON-PLATED	-	2
◊	39.0	+2.0/-2.0	NON-PLATED	-	1
E	47.0	+2.0/-2.0	NON-PLATED	-	7
F	58.0	+2.0/-2.0	NON-PLATED	-	1
G	59.0	+2.0/-2.0	NON-PLATED	-	2
H	79.0	+2.0/-2.0	NON-PLATED	-	4
I	87.0	+2.0/-2.0	NON-PLATED	-	2
J	134.0	+2.0/-2.0	NON-PLATED	-	2
K	138.0	+2.0/-2.0	NON-PLATED	-	4
•	33.0x33.0	+5.0/-5.0	PLATED	90.000	2
•	59.0x33.0	+5.0/-5.0	PLATED	90.000	2
◊	126.0x40.0	+5.0/-5.0	PLATED	0.000	1
◊	126.0x40.0	+5.0/-5.0	PLATED	90.000	2
◊	140.0x50.0	+5.0/-5.0	PLATED	90.000	4


PCB SPECIFICATIONS:

- | | | | | |
|------------------------------|---|--|--|---------------------------------|
| A. MATERIAL; | FR-4, | <input checked="" type="checkbox"/> TG-170 | <input type="checkbox"/> TG-150 | <input type="checkbox"/> TG-140 |
| B. MATERIAL FAMILY; | N/A. | | | |
| C. SOLDERMASK COLOR; | <input type="checkbox"/> GREEN | <input checked="" type="checkbox"/> BLUE | <input type="checkbox"/> RED | <input type="checkbox"/> BLACK |
| D. SILKSCREEN COLOR; | <input checked="" type="checkbox"/> WHITE | <input type="checkbox"/> YELLOW | <input type="checkbox"/> BLACK | |
| E. SURFACE FINISH; | <input checked="" type="checkbox"/> ENIG | <input type="checkbox"/> IMMERSION SILVER | <input type="checkbox"/> IMMERSION TIN | |
| | <input type="checkbox"/> HASL | <input type="checkbox"/> HASL (PB-FREE) | <input type="checkbox"/> GOLDEN FINGER | |
| F. IMPEDANCE CONTROL; | <input type="checkbox"/> NO | <input checked="" type="checkbox"/> YES (SEE IMPEDANCE TABLE FOR DETAIL INFORMATION) | | |
| G. THROUGH VIA; | PLUG THE VIAS WHICH ARE COVERED WITH SOLDERMASK ONE OR TWO SIDES. | | | |
| | PLUG MATERIAL: <input checked="" type="checkbox"/> SOLDERMASK | | <input type="checkbox"/> NON-CONDUCTIVE EPOXY. | |
| H. STACK-UP; | SEE LAYER STACK-UP SEQUENCE FOR OVERALL THICKNESS. | | | |

PCB REQUIREMENTS:

1. THIS BOARD WILL CONFORM TO:
IPC-A-600. CURRENT REV., CLASS II
IPC-6012, CURRENT REV., CLASS II
2. UNLESS OTHERWISE SPECIFIED ALL HOLE DIMENSIONS APPLY AFTER PLATING.
ALL HOLES SHALL BE LOCATED WITHIN .003" DIAMETER OF TRUE POSITION.
3. PLATED HOLE WALL THICKNESS SHALL NOT BE LESS THAN .001 INCH MINIMUM AVERAGE, WITH NO READING LESS THAN .0008 BY COROSS SECTION.
4. MATERIAL FR4 RATING 94V-0 MINIMUM EPOXY GLASS LAMINATE.
5. BOARD SHALL BE LPI SOLDER MASKED OVER BARE COPPER BOTH SIDES PER IPC-SM-840 CLASS II.
6. SILKSCREEN SHALL BE PERMANENT NON-CONDUCTIVE INK AND WITH NO OVERLAP ON ANY COMPONENT PAD OR THROUGH HOLE.
7. MFRGR. TO LEGIBLY ETCH OR STAMP/SCREEN WITH PERMANENT NON-CONDUCTIVE INK.
 - A. U.L. CODE
 - B. DATE CODE
 - C. FLAMMABILITY RATING
 - D. MFRGR. LOGO
 - E. SUCCESSFUL ELECTRICAL BOARD TEST.
8. REMOVE THE FLASHS WHICH SMALLER THAN HOLE SIZE.
9. REMOVE ALL SHAPE EDGES AND BURRS .005 MAXIMUM.
10. PLEASE USE THE SUPPLIED IPC 356 NETLIST TO VERIFY BOARD BEFORE FABRICATING BOARD.

TOTAL HOLES: 1708

 DESIGNED BY SOFER www.sofer.com.cn Tel : +86 21 - 6482 6908 Mail: design@sofer.com.cn	LAYER: FAB DAWNING & DRILL LEGEND	COMPANY NAME: ST	
	DESIGNER: Shelley	PROJECT NAME: MB1144	
	DATE: 2015.05.27	PROJECT NUMBER: D031-009A3	REV C

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	LOGO				COMPANY NAME				
DIMENSIONS ARE IN INCHES TOLERANCES ON; 2 PL DECIMALS + 3 PL DECIMALS + ANGLES + FRACTIONS +	DRAWN	YY-MM-DD	TITLE PROJECT NAME *								
	CHECKED	YY-MM-DD									
	ENGRG	YY-MM-DD	SIZE B		DWG NO *****			REV **			
	ISSUED		SCALE 1:1					SHEET		1 OF 1	