

4

3

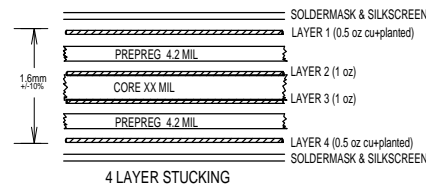
2

1

5 IMPEDANCE TABLE

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

4 LAYER STACK-UP



REVISIONS

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

PCB SPECIFICATIONS:

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

PCB REQUIREMENTS:

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

DRILL CHART: TOP to BOTTOM

ALL UNITS ARE IN MILS

FIGURE	SIZE	TOLERANCE	PLATED	ROTATION	QTY
.	6.0	+3.0/-3.0	PLATED	-	29
•	12.0	+3.0/-3.0	PLATED	-	597
•	20.0	+3.0/-3.0	PLATED	-	2
◦	33.0	+3.0/-3.0	PLATED	-	2
◦	36.0	+3.0/-3.0	PLATED	-	6
◦	40.0	+3.0/-3.0	PLATED	-	186
•	28.0	+2.0/-2.0	NON-PLATED	-	3
◦	39.0	+2.0/-2.0	NON-PLATED	-	1
◦	47.0	+2.0/-2.0	NON-PLATED	-	2
□	79.0	+2.0/-2.0	NON-PLATED	-	2
•	33.0x30.0	+5.0/-5.0	PLATED	0.000	2
•	51.0x24.0	+5.0/-5.0	PLATED	0.000	2
•	59.0x33.0	+5.0/-5.0	PLATED	0.000	2

TOTAL HOLES: 836

DESIGNED BY SOFER
www.sofer.com.cnTel : +86 21 - 6482 6908
Mail: design@sofer.com.cnLAYER:
FAB DARWING & DRILL LEGEND
DESIGNER: Shelley
DATE: 2016.06.17COMPANY NAME:
STPROJECT NAME:
MB1209PROJECT NUMBER:
D031-015A4REV
D

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES
TOLERANCES ON:
2 PL DECIMALS +
3 PL DECIMALS +
ANGLES +
FRACTIONS +

SIGNATURES

DRAWN

CHECKED

ENGRG

ISSUED

DATE

YY-MM-DD

YY-MM-DD

YY-MM-DD

LOGO

COMPANY NAME

TITLE

PROJECT NAME *

SIZE B

DWG NO

REV **

SCALE 1:1

SHEET

1 OF 1

4

3

2

1