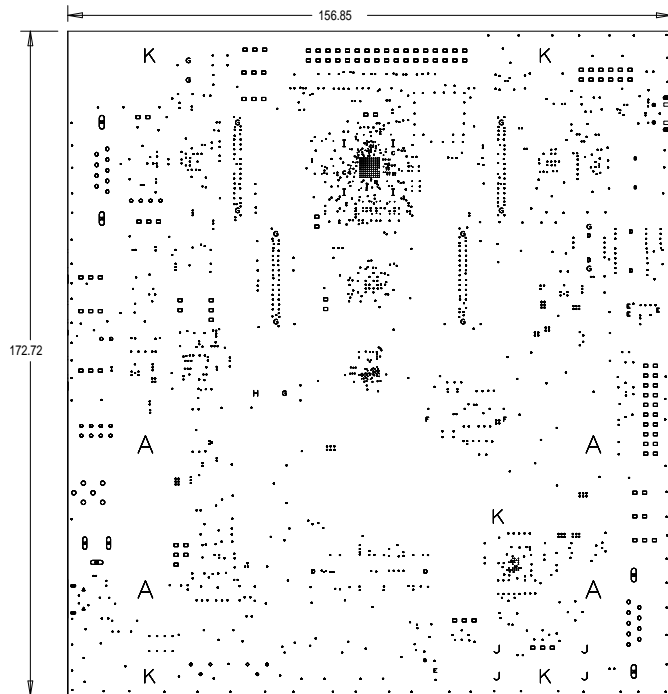



5 IMPEDANCE TABLE

LAYER	TRACE (mil)	SPACING (mil)	IMPEDANCE (Single end)	IMPEDANCE (Differential)	TOLERANCE
1,6	5.0	N/A	55 OHM	N/A	+/-10%
3	4.0				
1,6	4.8	10.2	N/A	90 OHM	+/-10%
1,6	4.1	10.9	N/A	100 OHM	+/-10%



 DESIGNED BY SOFER www.sofer.com.cn Tel : +86 21-6482 6908 Mail: design@sofer.com.cn	LAYER: FAB DRAWING & DRILL LEGEND	COMPANY NAME: ST
	DESIGNER: Shelley	PROJECT NAME: MB1313
	DATE: 2017.04.24	PROJECT NUMBER: D031-025A2
		REV B

DRILL CHART: TOP to L2_GND

ALL UNITS ARE IN MILS

FIGURE	SIZE	TOLERANCE	PLATED	QTY
·	4.0	+3.0/-3.0	PLATED	95

DRILL CHART: TOP to L3_SIG

ALL UNITS ARE IN MILS

FIGURE	SIZE	TOLERANCE	PLATED	QTY
·	4.0	+3.0/-3.0	PLATED	110

DRILL CHART: L2_GND to L5_GND

ALL UNITS ARE IN MILS

FIGURE	SIZE	TOLERANCE	PLATED	QTY
·	8.0	+3.0/-3.0	PLATED	84

DRILL CHART: L5_GND to BOTTOM

ALL UNITS ARE IN MILS

FIGURE	SIZE	TOLERANCE	PLATED	QTY
·	4.0	+3.0/-3.0	PLATED	58

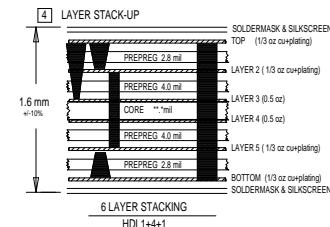
DRILL CHART: TOP to BOTTOM

ALL UNITS ARE IN MILS

FIGURE	SIZE	TOLERANCE	PLATED	QTY
·	8.0	+3.0/-3.0	PLATED	33
·	10.0	+3.0/-3.0	PLATED	747
·	12.0	+3.0/-3.0	PLATED	598
·	30.0	+3.0/-3.0	PLATED	2
·	30.0	+3.0/-3.0	PLATED	6
·	33.0	+3.0/-3.0	PLATED	2
·	36.0	+3.0/-3.0	PLATED	12
·	38.0	+3.0/-3.0	PLATED	18
·	40.0	+3.0/-3.0	PLATED	118
·	48.0	+3.0/-3.0	PLATED	6
A	177.0	+3.0/-3.0	PLATED	4
·	28.0	+2.0/-2.0	NON-PLATED	3
c	33.0	+2.0/-2.0	NON-PLATED	2
d	38.0	+2.0/-2.0	NON-PLATED	6
e	39.0	+2.0/-2.0	NON-PLATED	4
f	40.0	+2.0/-2.0	NON-PLATED	2
g	47.0	+2.0/-2.0	NON-PLATED	13
H	58.0	+2.0/-2.0	NON-PLATED	1
I	67.0	+2.0/-2.0	NON-PLATED	4
J	79.0	+2.0/-2.0	NON-PLATED	4
K	138.0	+2.0/-2.0	NON-PLATED	5
·	33.0x30.0	+5.0/-5.0	PLATED	2
·	51.0x24.0	+5.0/-5.0	PLATED	2
·	59.0x33.0	+5.0/-5.0	PLATED	2
θ	126.0x40.0	+5.0/-5.0	PLATED	2
⊘	126.0x40.0	+5.0/-5.0	PLATED	1
θ	140.0x50.0	+5.0/-5.0	PLATED	4

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.
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 CORROSS 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.

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