

4

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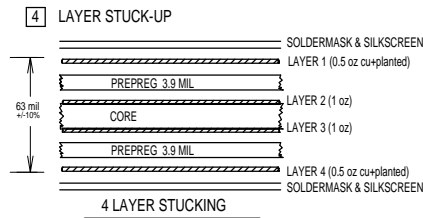
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## REVISIONS

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
·	12.0	+3.0/-3.0	PLATED	-	250
⬡	177.0	+3.0/-3.0	PLATED	-	4
○	38.0	+2.0/-2.0	NON-PLATED	-	2
⊗	177.0	+2.0/-2.0	NON-PLATED	-	2

TOTAL HOLES: 258

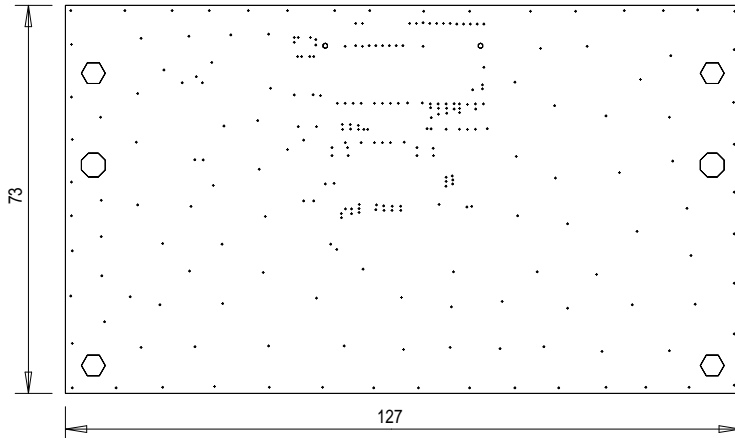



## PCB SPECIFICATIONS:

- 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.



 DESIGNED BY SOFER www.sofer.com.cn Tel : +86 21 - 6482 6908 Mail: design@sofer.com.cn	LAYER: FAB DARWING & DRILL LEGEND	COMPANY NAME: ST	
	DESIGNER: Shelley	PROJECT NAME: MB1315	
	DATE: 2016.11.29	PROJECT NUMBER: D031-025C1	REV A

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				
		ISSUED					
				SIZE B	DWG NO	*****	REV **
				SCALE 1:1		SHEET	1 OF 1