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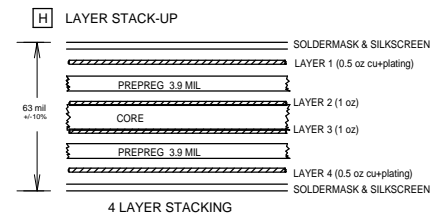
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## REVISIONS

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

**[5] IMPEDANCE TABLE**

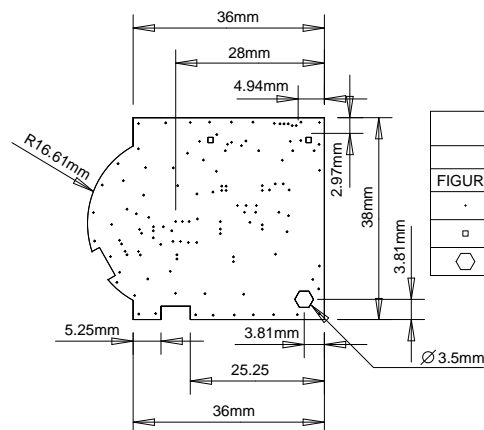
LAYER	TRACE (mil)	SPACING (mil)	IMPEDANCE (Single end)	IMPEDANCE (Differential)	TOLERANCE
1,4	5	N/A	55 OHM	N/A	+/- 10%
1,4	5.1	9.9	N/A	100 OHM	+/- 10%

**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 MILLIMETERS

FIGURE	SIZE	TOLERANCE	PLATED	QTY
.	0.3048	+0.0762/-0.0762	PLATED	130
□	1.016	+0.0508/-0.0508	NON-PLATED	2
○	3.5052	+0.0508/-0.0508	NON-PLATED	1

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FAB DARWING & DRILL LEGEND

DESIGNER: Shelley

DATE: 2018.05.02

COMPANY NAME:

ST

PROJECT NAME:

MB1314

PROJECT NUMBER:

D031-025B3

REV

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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	YY-MM-DD		
			SIZE B	DWG NO *****
			SCALE 1:1	SHEET 1 OF 1

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