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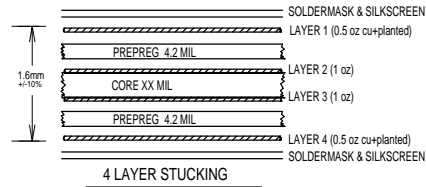
REVISIONS

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	5.0	N/A	55 OHM	N/A	+/-10%
			N/A	90 OHM	+/-10%
1,4	5.1	9.9	N/A	100 OHM	+/-10%

4 LAYER STUCK-UP



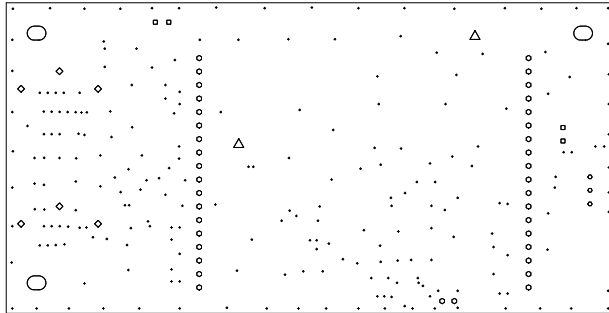
PCB SPECIFICATIONS:

- 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.

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 *****
	ISSUED		SCALE 1:1	SHEET 1 OF 1



DRILL CHART: TOP to BOTTOM

ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	12.0	+3.0/-3.0	PLATED	228
□	30.0	+3.0/-3.0	PLATED	4
◦	32.0	+3.0/-3.0	PLATED	3
◊	40.0	+3.0/-3.0	PLATED	38
◊	51.0	+3.0/-3.0	PLATED	6
△	87.0	+2.0/-2.0	NON-PLATED	2
○	138.0	+2.0/-2.0	NON-PLATED	3



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LAYER: FAB DARWING & DRILL LEGEND	COMPANY NAME: ST
DESIGNER: Shelley	PROJECT NAME: MB1351
DATE: 2017.04.26	PROJECT NUMBER: D031-026B1
	REV A

