

# Layer Stack Up Detail for: EUM.PcbDoc

Layer Name	Material	Copper Thickness	Dielectric Prepreg	Dielectric Core	Dielectric Prepreg	Dielectric Core
Top Solder Mask	(.075)		0.4mil	Solder Resist	3.50	
Top Layer L1	(.01L)	1.417mil	15mil	FR-406	4.80	Core
GNL Plane L2	(.01)	1.417mil	25mil	FR-406	4.20	Prepreg
Un Plane L3	(.02)	1.417mil	15mil	FR-406	4.20	Core
Bottom Layer L4	(.08L)	1.417mil				
Bottom Solder Mask	(.085)		0.4mil	Solder Resist	3.50	

## DESIGN INFORMATION

MIN. TRACK WIDTH: 8 MIL  
 MIN. CLEARANCE: 0.2 mm  
 MIN. VIA PAD SIZE: 21 MIL  
 MINIMUM ANNULAR RING 0.05mm (2MIL) EXTERNAL  
 PER IPC-D-275 CLASS 2 LEVEL C  
 REGISTRATION TOLERANCES: METAL +/- .5 MIL, HOLES +/- .3 MIL

## MATERIAL:

☐ FR-408 ☒ FR-4 High Tg ☐ OTHER  
 THICKNESS: ☒ 62 MIL (1.6mm) +/-10% ☐ OTHER  
 TOLERANCE: ☒ ANSI IPC-6012 TYPE 3 CLASS 2  
☐ OTHER +/-  
 BOW & TWIST: ☒ ANSI IPC-6012 TYPE 3 CLASS 2  
☐ OTHER +/-

## DRILLING:

REFERENCE: ☒ AS SHOWN ☒ NC\_DRILL FILES  
 PTH MIN COPPER THICKNESS: ☒ 1MIL ☐ OTHER

## BOARD FINISH:

SILKSCREEN: ☒ TOP ☒ BOTTOM  
 SILKSCREEN COLOR: ☒ WHITE ☐ OTHER  
 SOLDER RESIST COLOR:  
☒ GREEN ☐ BLUE ☐ OTHER

SURFACE FINISH: ☒ IMMERSION GOLD (ENG) ☐ ENERP  
☐ IMM. TIN/SILVER OR EQUIV ☐ OTHER

ARRAY/PANEL: ☐ CUT AND TRM PER MECH LAYER 1  
☐ N.C. ROUTE ☒ V. SCORE

CERTIFICATION: MATERIALS AND WORKMANSHIP FOR ALL PCBs TO MEET OR EXCEED THE REQUIREMENTS OF:

☒ ANSI IPC-A-600F CLASS -> ☐ 1 ☒ 2 ☐ 3  
☒ UL 94V-0 ☒ RoHS ☐ OTHER PER ORDER

## ADDITIONAL REQUIREMENTS:

MICROSECTION: ☐ YES  
 BARE BOARD ELEC. TEST: ☐ NONE ☒ REQUIRED ☐ PER ORDER  
 MANUFACTURER'S UL: ☐ RAL ☐ METAL ☒ SILK



PROJECT TITLE:  
 Diff. to Single Ended Audio Amp.

DESIGNED FOR:  
 Public Release

FILE NAME:  
 EUM.PcbDoc

ENGINEER:  
 Samir Cherian

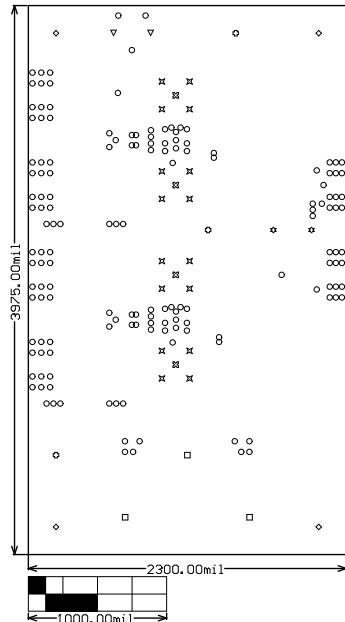
LAYOUT BY:  
 Bob Holtz

SCALE: 1.00

ALUM DESIGNER VERSION:  
 14.3.15.35511

Symbol	Hit Count	Tool Size	Plated	Hole Type
o	154	10mil (0.254mm)	PTH	Round
v	2	35.433mil (0.9mm)	NPTH	Round
x	4	62mil (1.575mm)	PTH	Round
o	3	63mil (1.6mm)	PTH	Round
*	2	66.929mil (1.7mm)	NPTH	Round
x	16	67mil (1.702mm)	PTH	Round
o	4	125.984mil (3.2mm)	PTH	Round
□	3	270mil (6.858mm)	PTH	Round
188 Total				

Drill Table



ALL ARTWORK VIEWED FROM TOP SIDE	BOARD #: XX####	REV: E1	SUN REV: Not In VersionControl
LAYER NAME = <del>060854-001</del> Dimensions			
PLOT NAME = Fabrication Drawing	GENERATED : 12/5/2014 1:24:24 PM	TEXAS INSTRUMENTS	

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