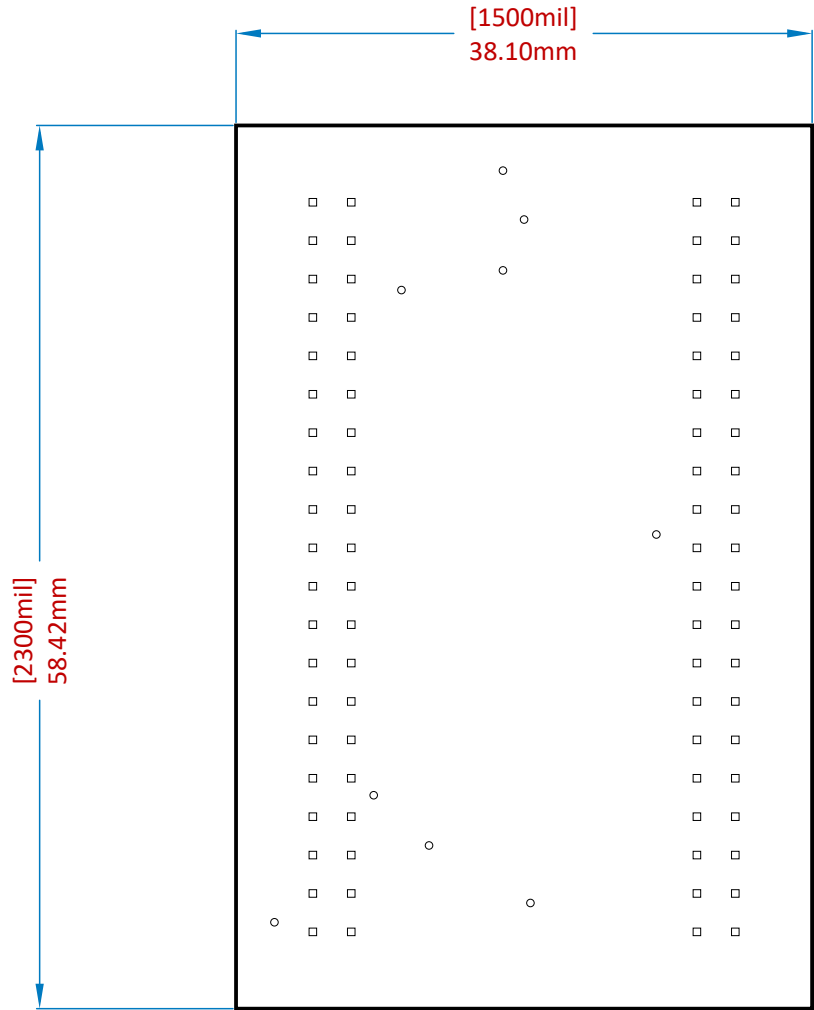
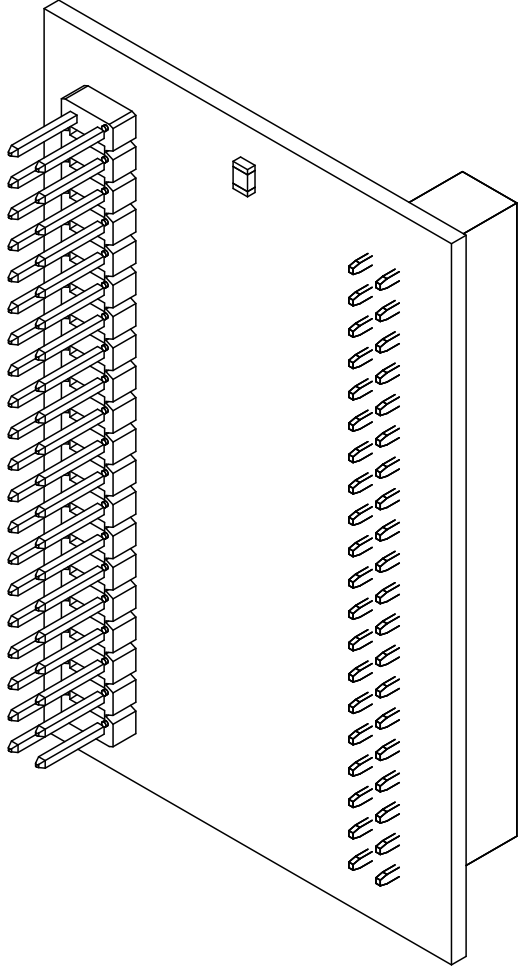


Drill Drawing View (Scale 2:1)




View from Top side (Scale 2:1)



Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
○	9	10.00mil(0.254mm)	Plated	
□	80	40.00mil(1.016mm)	Plated	
	89 Total			

ENGINEER: MRM	<div> www.renesas.com</div>		
PCB DESIGNER: Renesas			
DATE: 7/14/2023	PROJECT: Renesas APP-LCD-CONV1	VERSION: 1	
FILE NAME: APP_LCD_CONV_FAB_DWG.PCBDwf	DOCUMENT TITLE: Fabrication Drawing, 1 of 2	DOC REV: B	

FABRICATION NOTES

Design Features

Number of Layers: 2
Smallest Trace/Space: 0.15 mm / 0.15 mm
Smallest Via Drill/Pad: 8 mil / 14 mil
Impedance Control: NO
Gold Fingers: NO
Silkscreen Color (Top & Bottom): WHITE
Soldermask Color (Top & Bottom):

Materials and Ratings

Core Material: FR4 Tg (C min): 170 Td (C min): 330
PAD Finish: ENIG
Finished Board Thickness: See Chart
Finished outer layer Cu min thickness: See Chart
Copper thickness - inner layers: See Chart
ROHS Required: YES
UL94V Rating: UL94V-0
IPC-A-6011/IPC-A-6012 Class: 2 Inspect per IPC-A-600

Process and Panelization


Inner Thieving/Balancing OK? YES Keepaway: 2.5mm
Outer Thieving/Balancing OK? NO Keepaway:
Electrical 100% Test Requested: YES
Panelization Requested: YES
Panelization Method: TAB-ROUTE w/Rails

Board Manufacturing Markings (Board Bottom Side)

Board Lot and QC Stamp
UL94V-0
ROHS

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
	Surface Material	0.03mm(1mil)	SM-003	Solder Mask	GTS
	Nickel, Gold	0.00mm(0mil)		Surface Finish	
CF-004	Top Surface Finish	0.04mm(1mil)		Signal	GTL
Prepreg	Top Layer	0.13mm(5mil)	PP-017	Dielectric	
Prepreg		0.13mm(5mil)	PP-017	Dielectric	
CF-004	Int1 (GND)	0.04mm(1mil)		Internal Plane	GP1
Core		0.71mm(28mil)	Core-039	Dielectric	
CF-004	Int2 (PWR)	0.04mm(1mil)		Internal Plane	GP2
Prepreg		0.13mm(5mil)	PP-017	Dielectric	
Prepreg		0.13mm(5mil)	PP-017	Dielectric	
CF-004	Bottom Layer	0.04mm(1mil)		Signal	GBL
Nickel, Gold	Bottom Surface Finish	0.00mm(0mil)		Surface Finish	
Surface Material	Bottom Solder	0.03mm(1mil)	SM-003	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 1.43mm(56mil)					

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