

1 2 3 4

Alles

10/5/2021 RevD

RELEASE

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DESIGN CONSIDERATIONS

DESIGN NOTE: Example text for informational design notes .

DESIGN NOTE: Example text for critical design notes. DESIGN NOTE: Example text for cautionary design notes. LAYOUT NOTE: Example text for critical layout guidelines.

Title: Cover Page		I
Project: Alles	Revision: RevD	
Date: 10/5/2021 Time: 12:25:17 AM	Sheet 1 of 7	

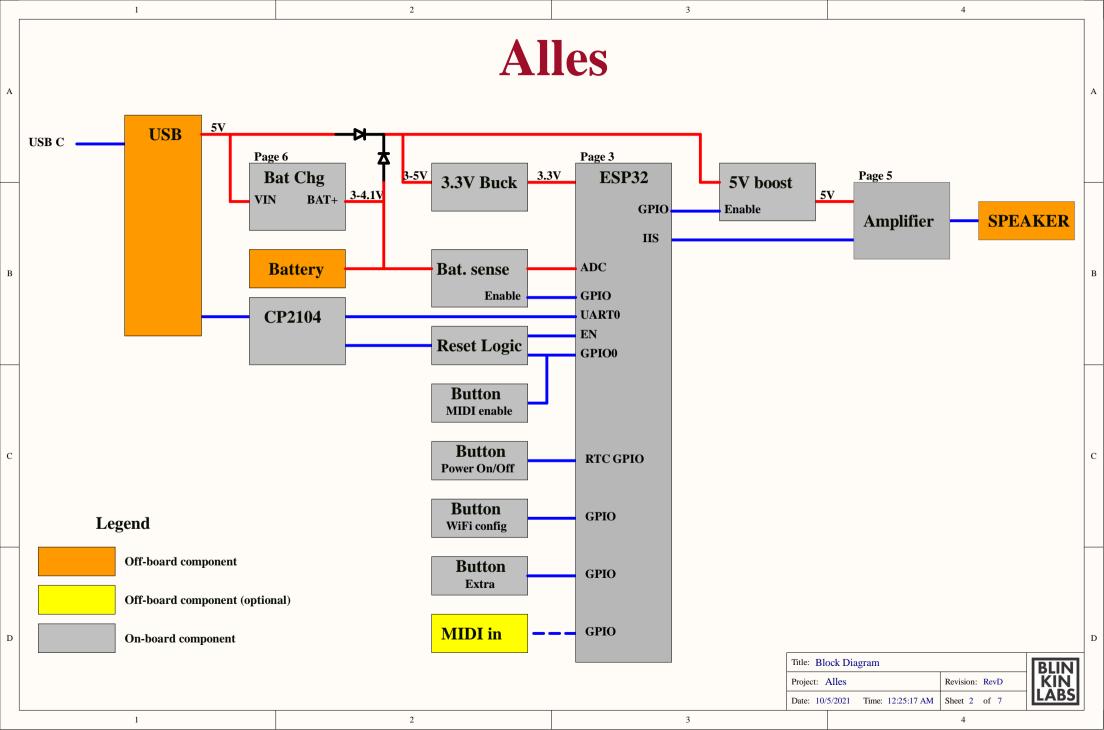
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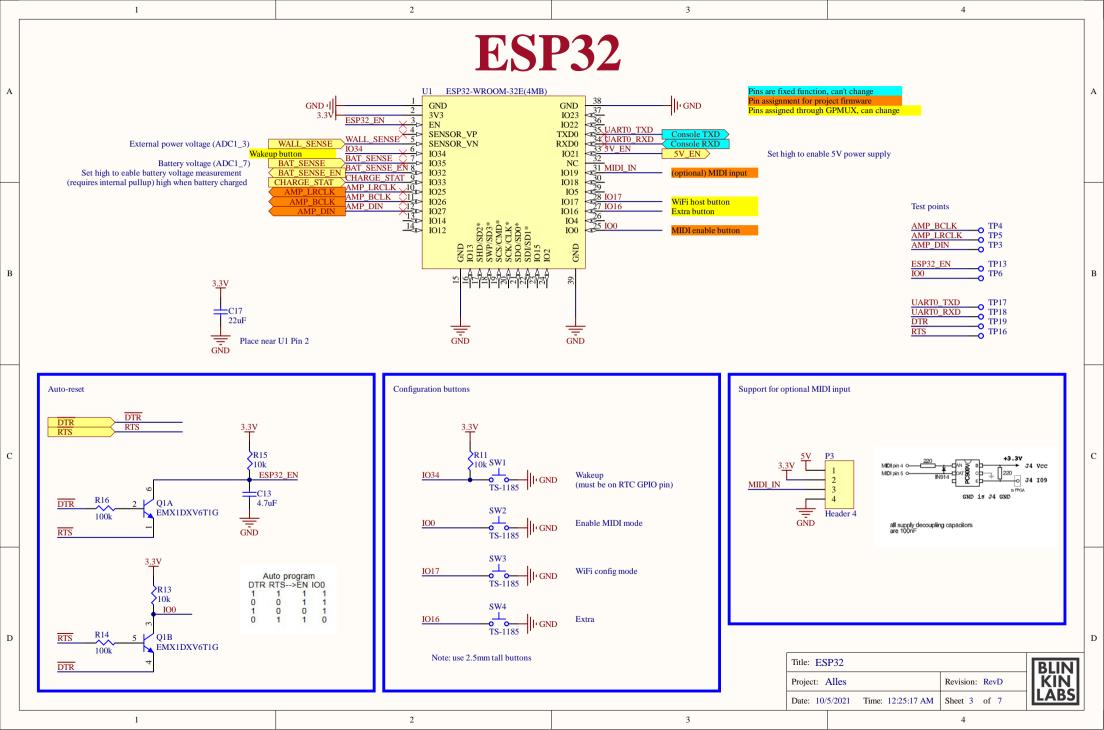
BLIN KIN LABS

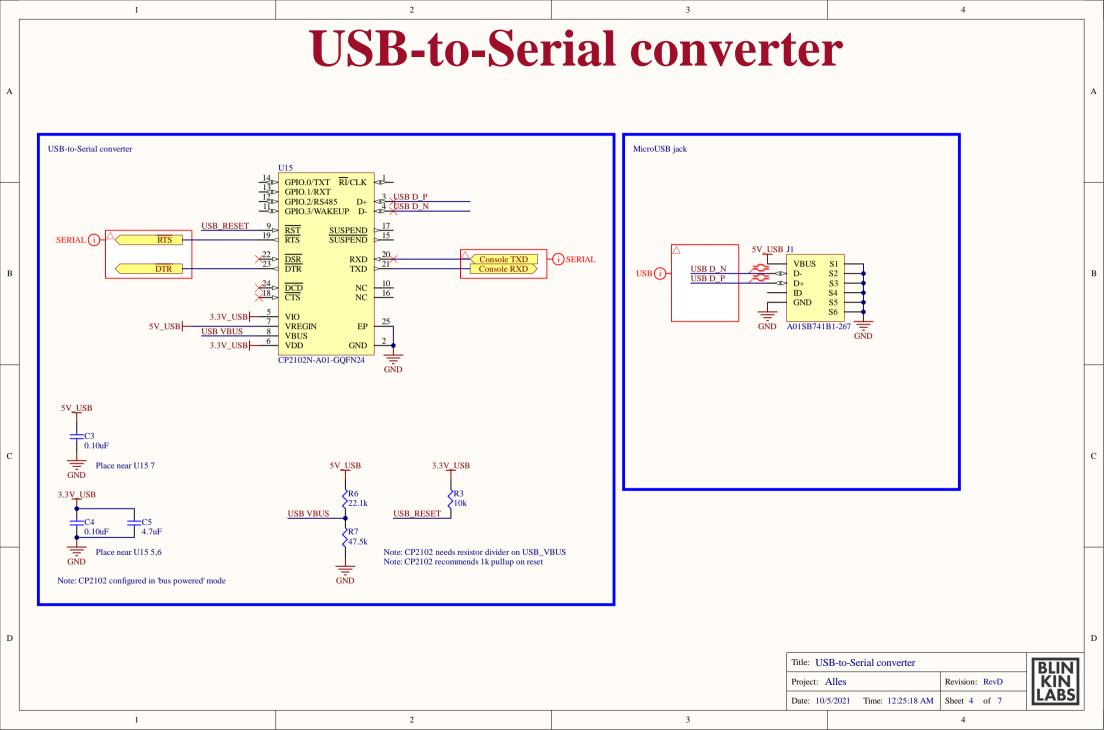
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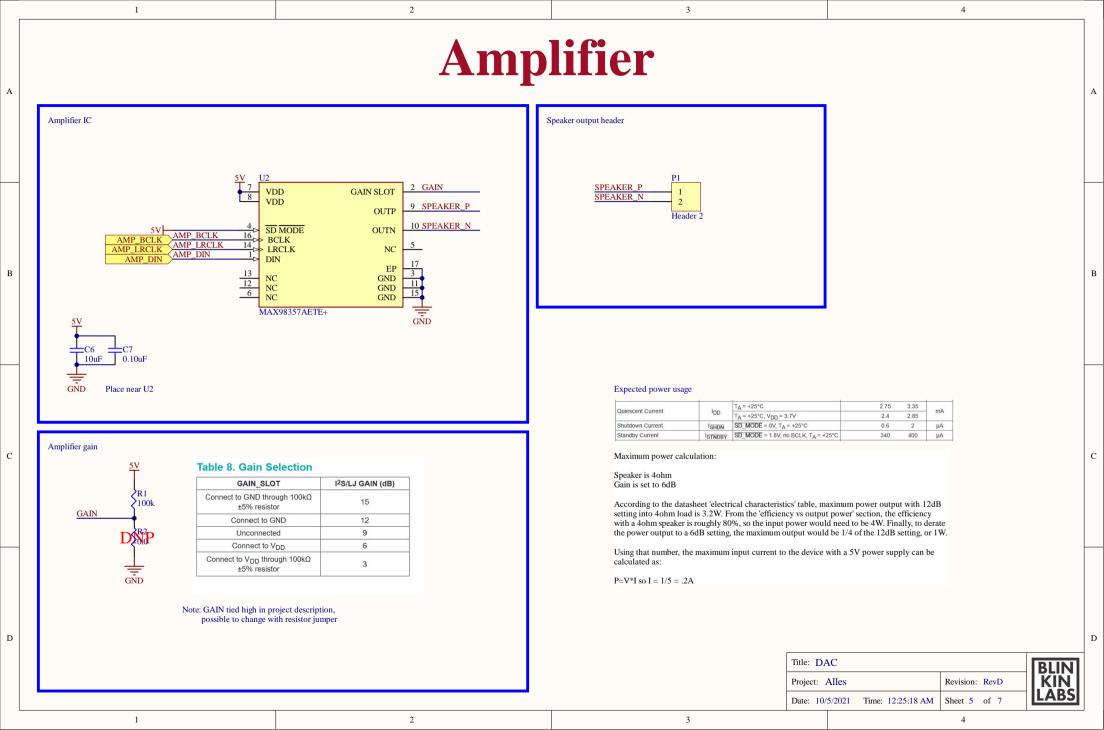
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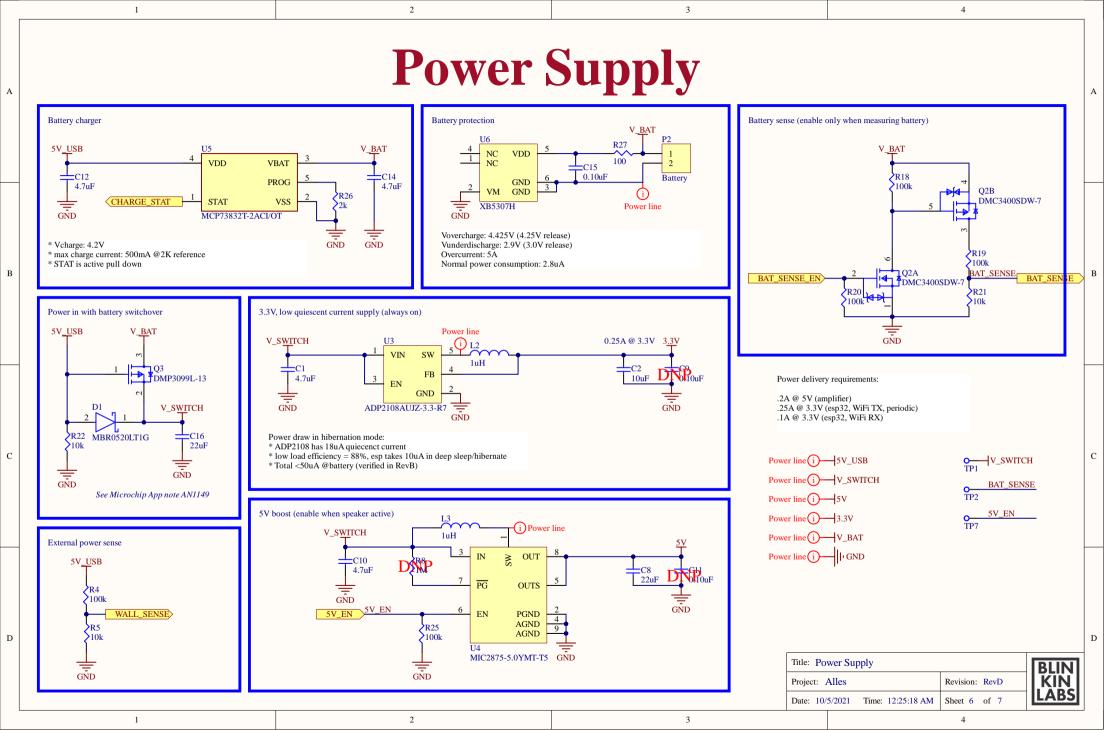
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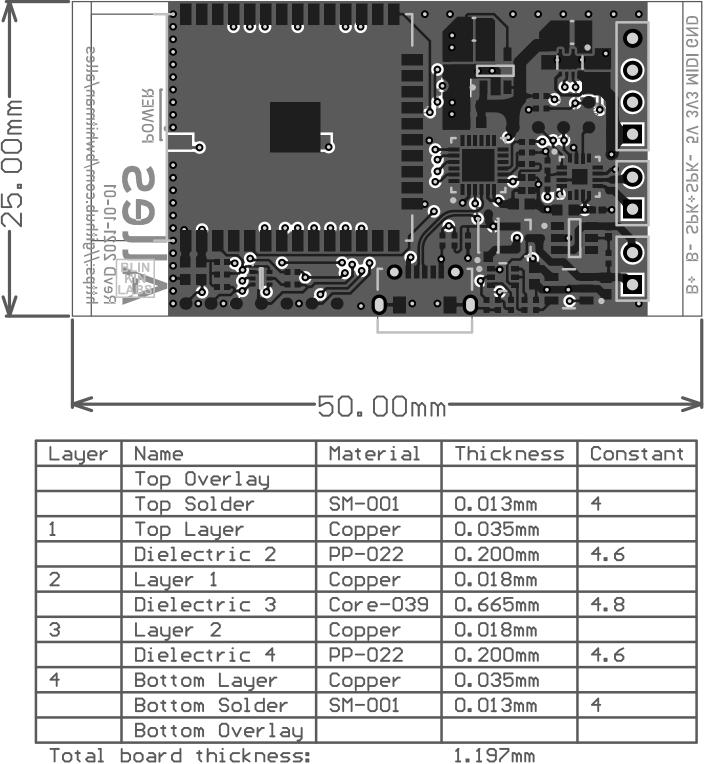












Design Rules Verification ReportFilename : C:\Users\matt\Blinkinlabs-Repos\alles-pcb\pcb\Alles.PcbDoc

Warnings 0 Rule Violations 0

Warnings	
Total	0

Rule Violations	
Clearance Constraint (Gap=0.127mm) (InAnyDifferentialPair),(InAnyDifferentialPair)	0
Clearance Constraint (Gap=0.2mm) (All),(All)	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Un-Routed Net Constraint ((All))	0
Modified Polygon (Allow modified: No), (Allow shelved: No)	0
Width Constraint (Min=0.2mm) (Max=1mm) (Preferred=0.6mm) (InNetClass('POWER'))	0
Width Constraint (Min=0.2mm) (Max=0.6mm) (Preferred=0.254mm) (All)	0
Power Plane Connect Rule(Relief Connect)(Expansion=0.508mm) (Conductor	0
Moder See Commitment (Min=0.025mm) (Max=2.54mm) (All)	0
Hole To Hole Clearance (Gap=0.254mm) (All),(All)	0
Net Antennae (Tolerance=0mm) (All)	0
Component Clearance Constraint (Horizontal Gap = 0.254mm, Vertical Gap = 0.254mm)	0
Height Constraint (Min=0mm) (Max=25.4mm) (Prefered=12.7mm) (All)	0
Total	0

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Electrical Rules Check Report

Class	Document	Message
Warning	[03] ESP32.SchDoc	5V_EN contains IO Pin and Output Port objects (Pin U1-33, Port 5V_EN).
Warning	[03] ESP32.SchDoc	BAT_SENSE_EN contains IO Pin and Output Port objects (Pin U1-8, Port
		BAT SENSE EN).
Warning	[03] ESP32.SchDoc	CHARGE_STAT contains IO Pin and Input Port objects (Pin U1-9, Port
		CHARGE STAT).
Warning	[06] Power Supply.SchDoc	Floating Power Object 3.3V at (8600mil,2200mil)
Warning	[06] Power Supply.SchDoc	Floating Power Object 5V at (8600mil,2400mil)
Warning	[06] Power Supply.SchDoc	Floating Power Object 5V_USB at (8600mil,2800mil)
Warning	[06] Power Supply.SchDoc	Floating Power Object GND at (8600mil,1800mil)
Warning	[06] Power Supply.SchDoc	Floating Power Object V_BAT at (8600mil,2000mil)
Warning	[06] Power Supply.SchDoc	Floating Power Object V_SWITCH at (8600mil,2600mil)
Warning	[04] Serial Console.SchDoc	Net USB_RESET has no driving source (Pin R3-1, Pin U15-9)

