

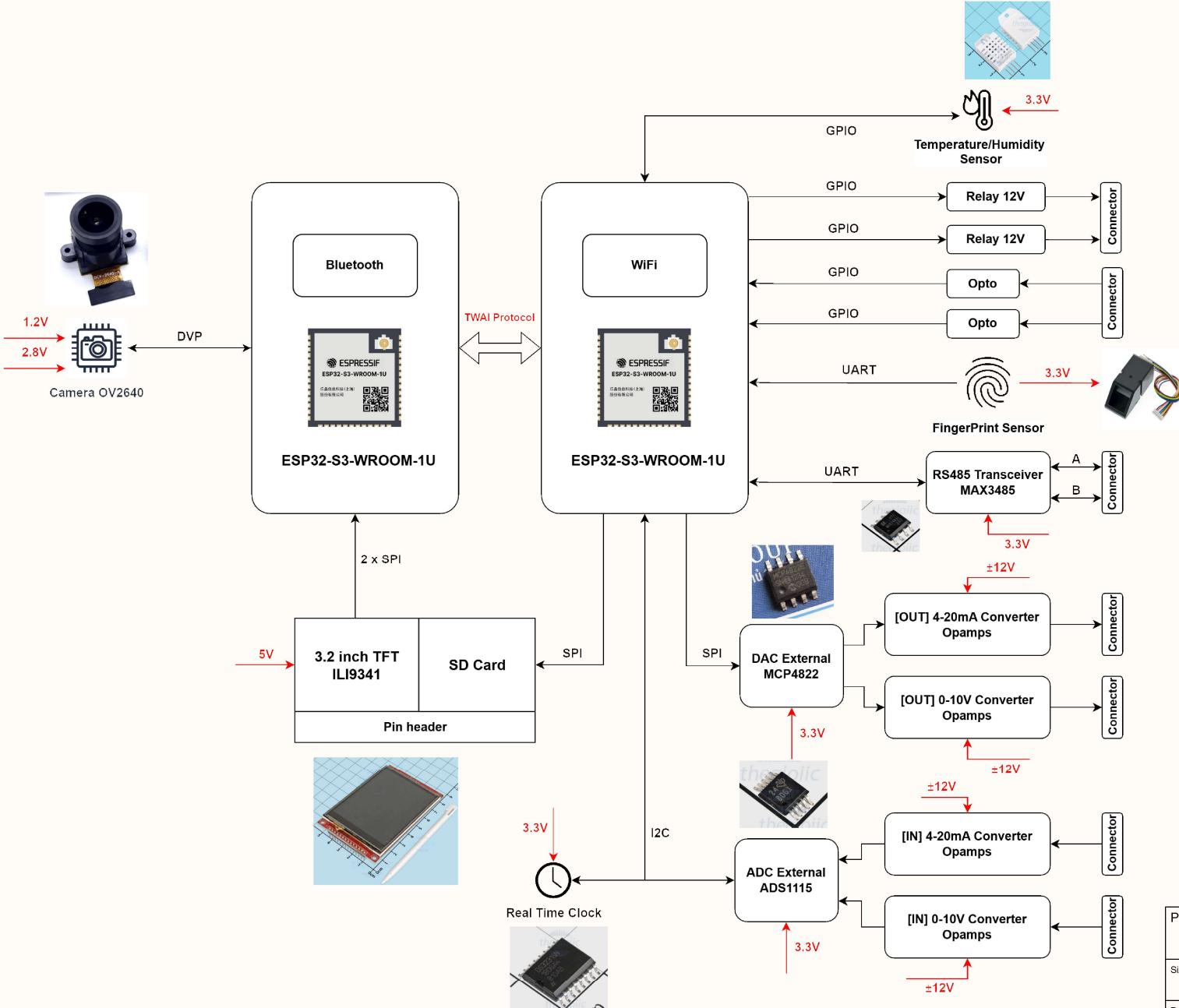
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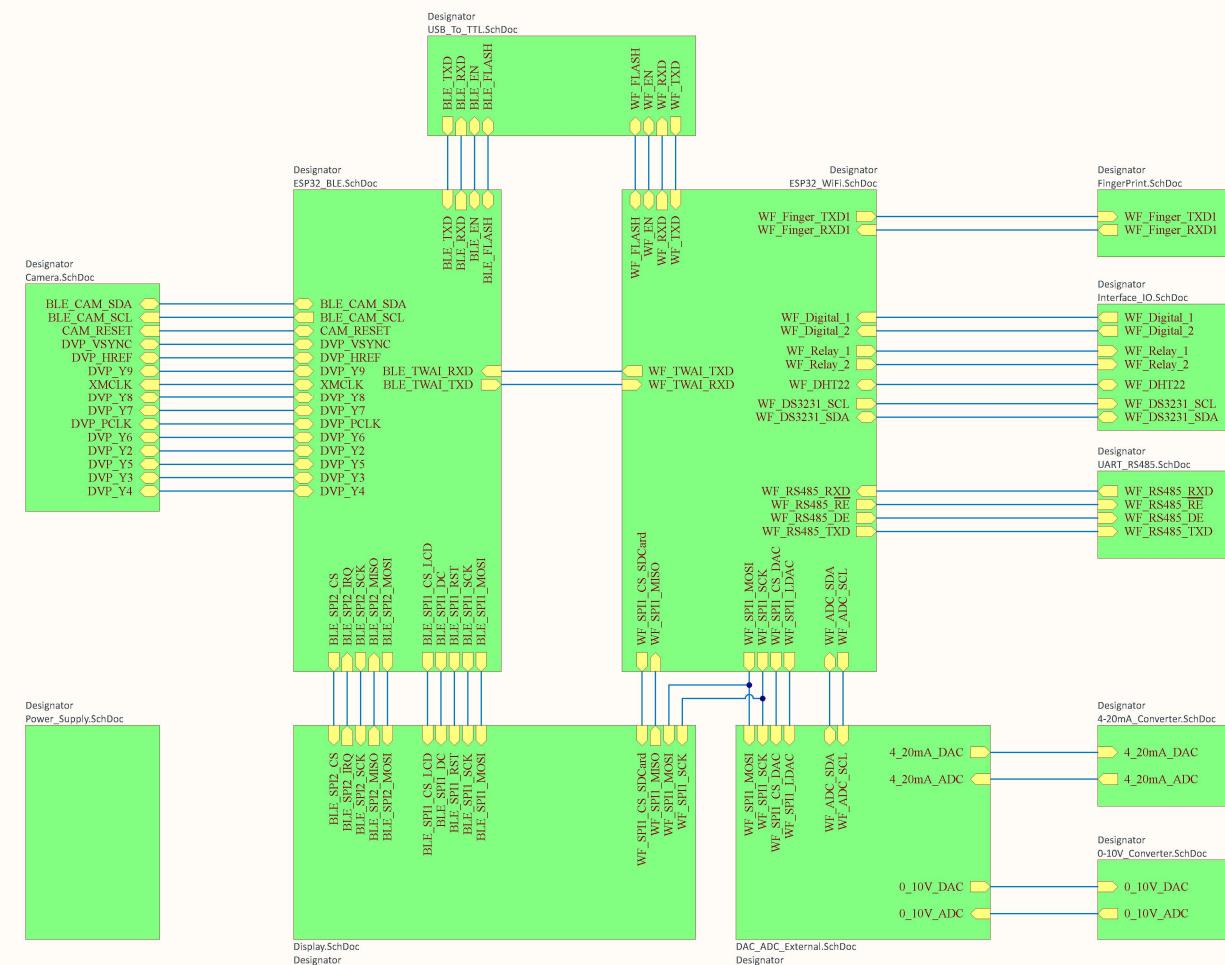
Bluetooth Gateway

Schematic V1.0.0

Project Name BluetoothGateway 		
Size A4	Revision	
Date: 1/24/2025	Last Modified: 1/23/2025	
Drawn By: *	Sheet 1 of 15	Checked By: *
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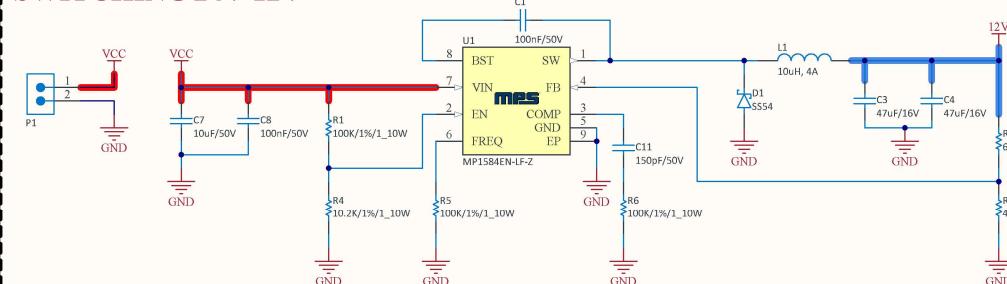


Project Name	
BluetoothGateway	PIF
Size	Revision
A3	
Date: 1/24/2025	Last Modified: 1/23/2025
Drawn By: *	Sheet 2 of 14 Checked By: *
File: Block_Diagram.SchDoc	

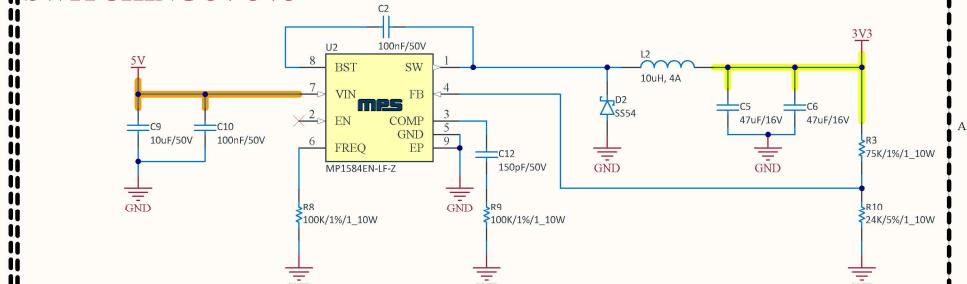


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BluetoothGateway	
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Date: 1/24/2025	Last Modified: 1/23/2025
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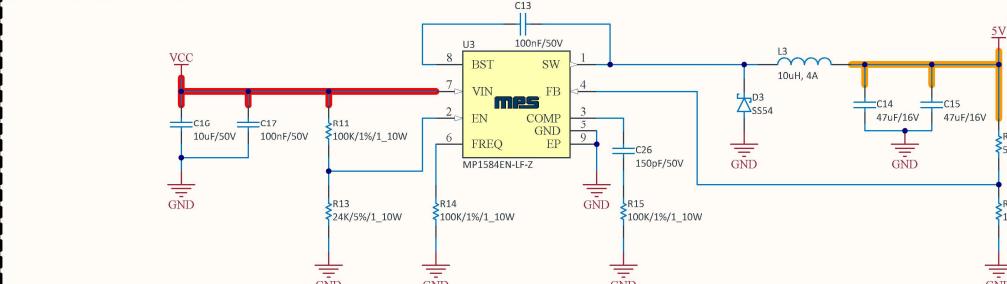
SWITCHING 24V-12V



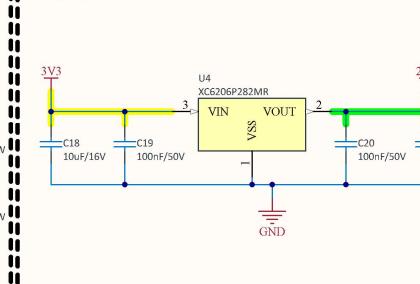
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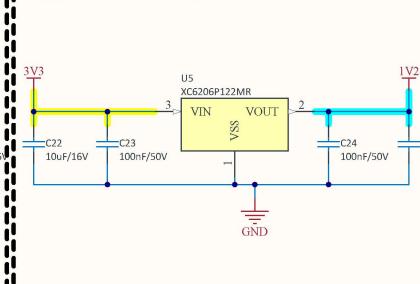
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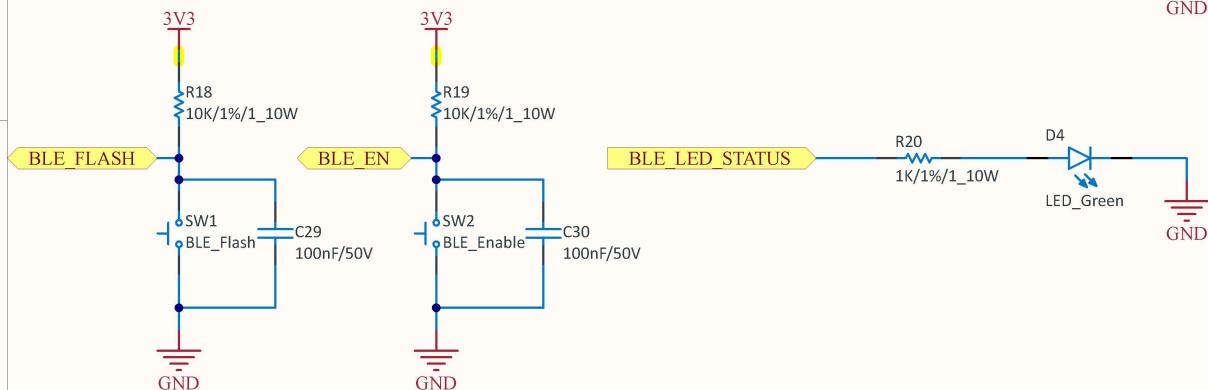
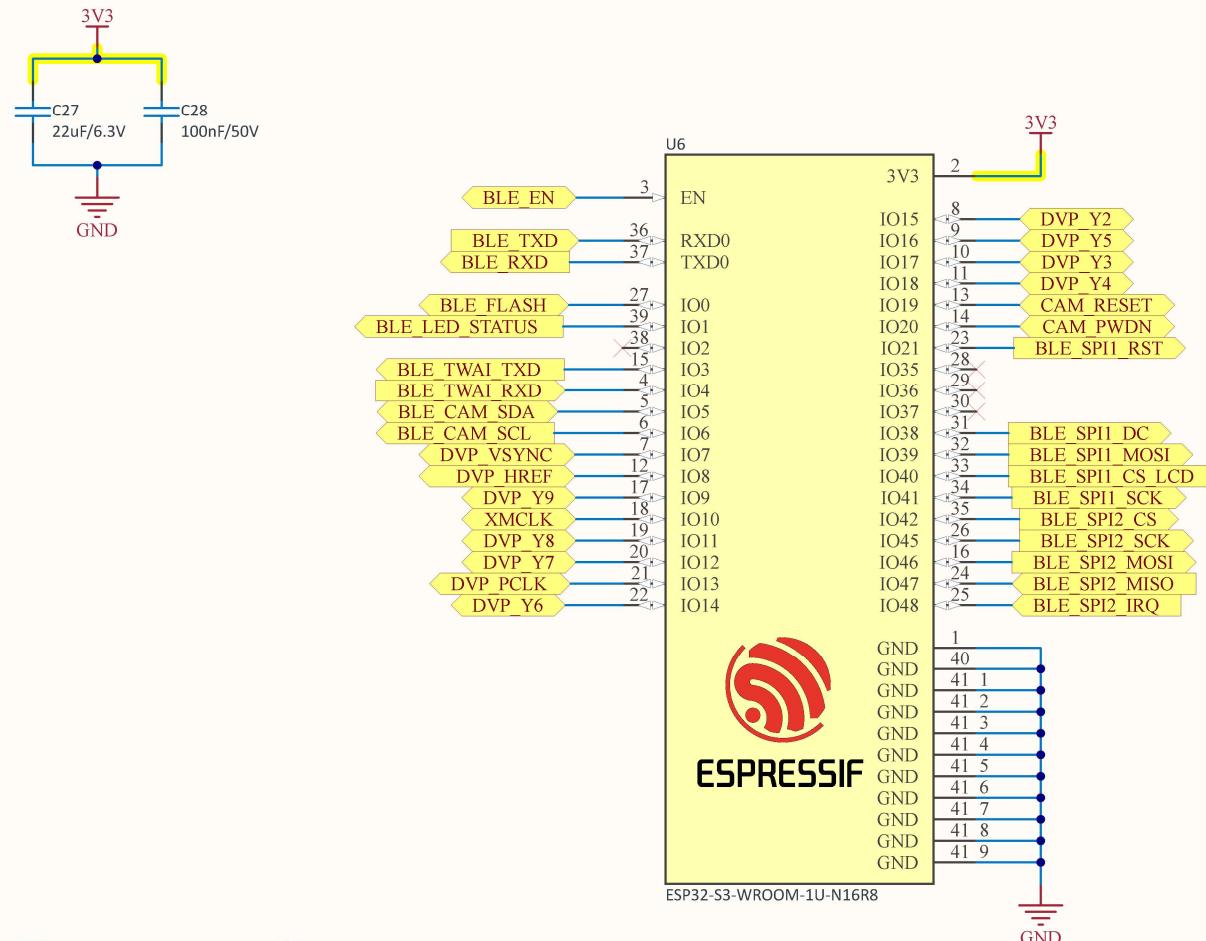
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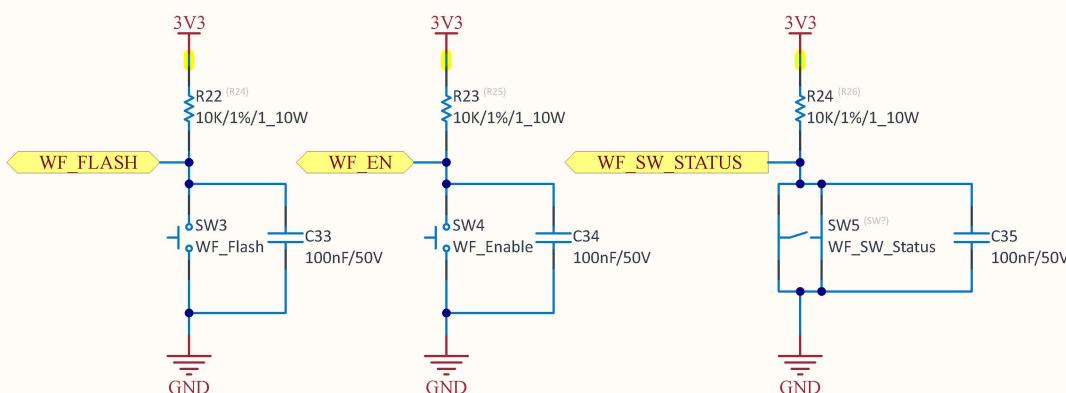
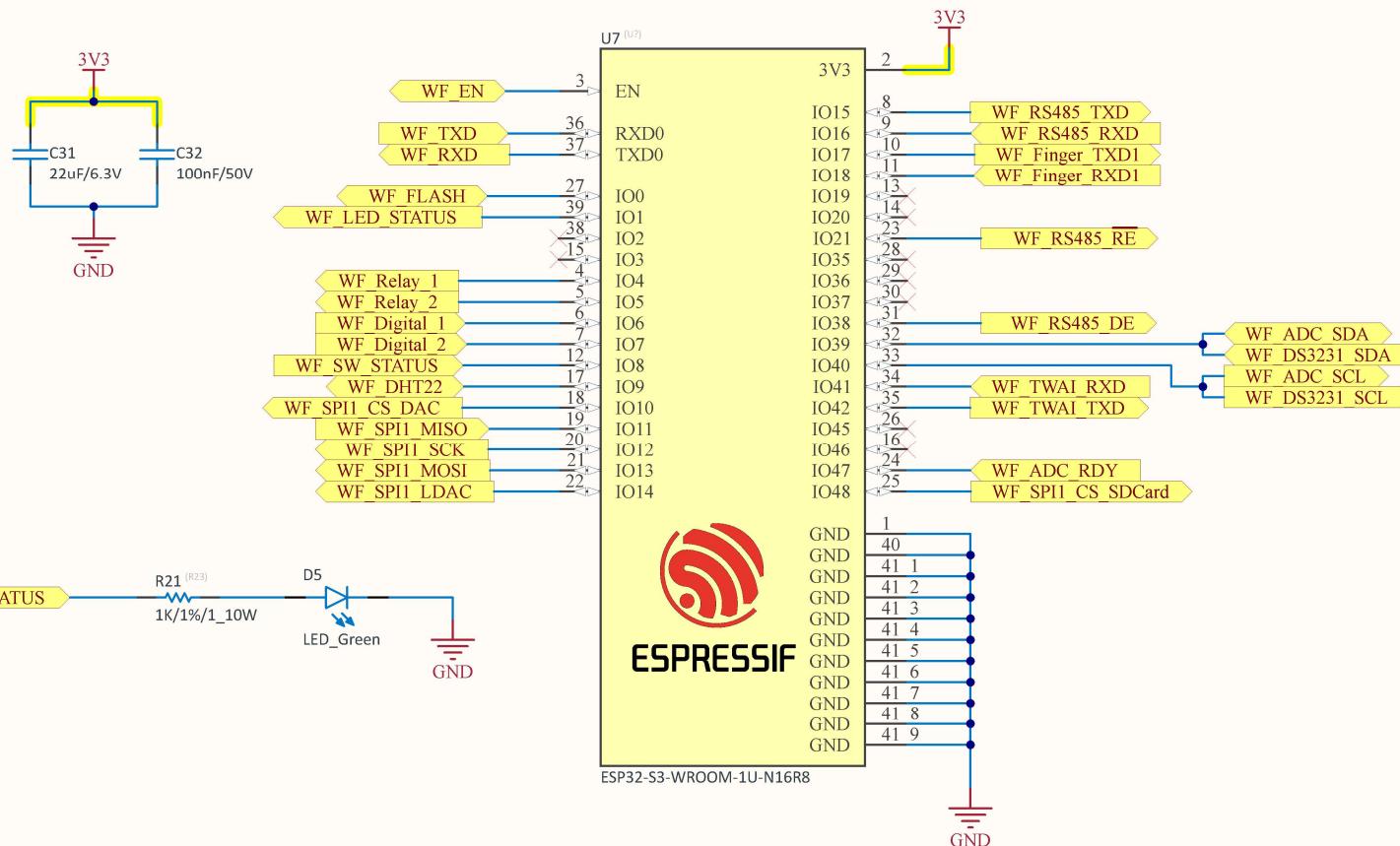
LDO 3V3-1V2



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BluetoothGateway	
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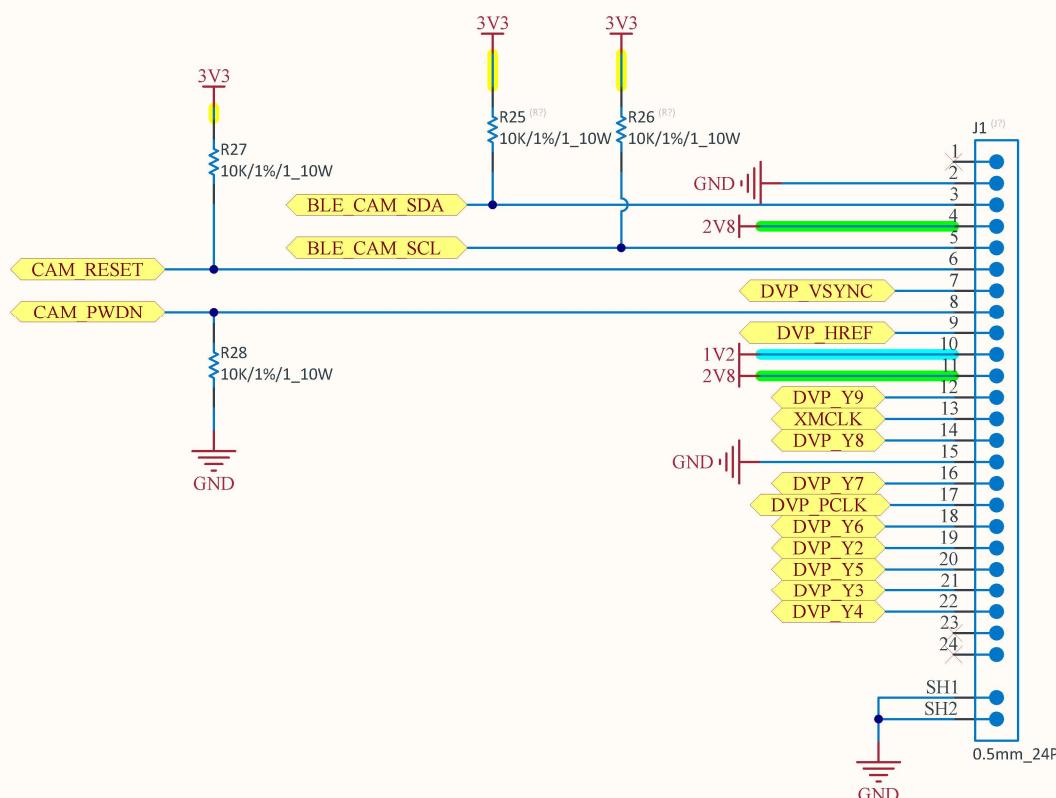


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<h1>BluetoothGateway</h1>		
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File: ESP32_BLE.SchDoc		



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<h1>BluetoothGateway</h1>		
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File: ESP32_WiFi.SchDoc		

A



B

A

B

C

C

D

D

Project Name

BluetoothGateway



Size

A4

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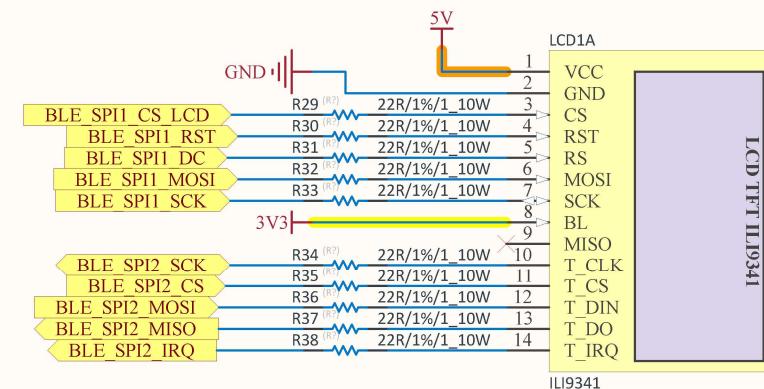
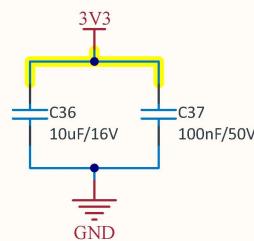
Last Modified: 1/23/2025

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File: Camera.SchDoc

A



B



C

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BluetoothGateway  	
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A4	
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File: Display.SchDoc	

A

B

C

D

A

A

B

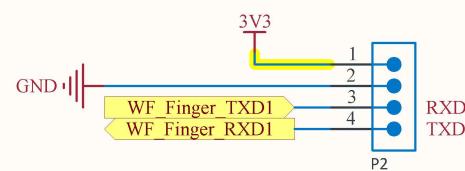
B

C

C

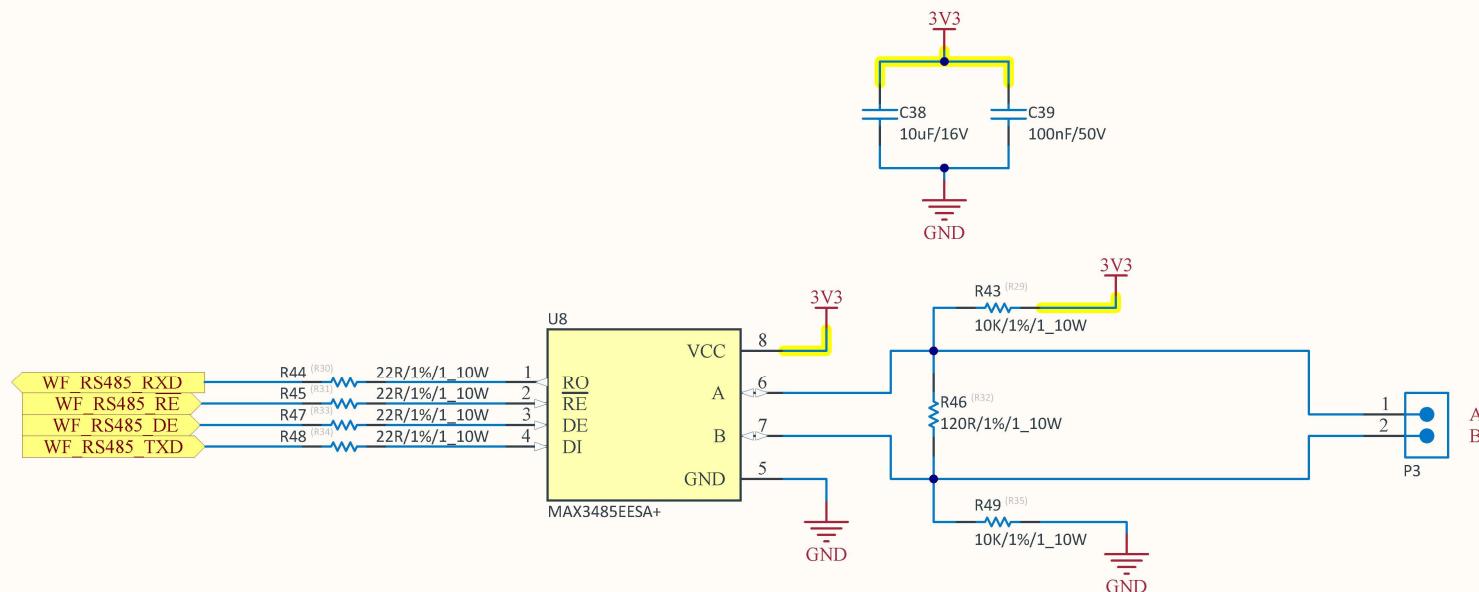
D

D



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BluetoothGateway  	
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A4	
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A



B

A

B

C

C

D

D

Project Name

BluetoothGateway



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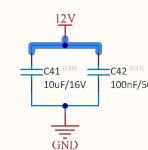
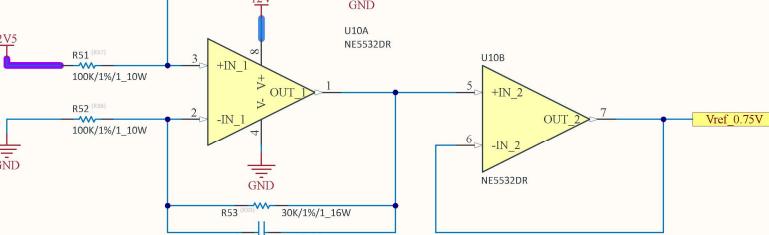
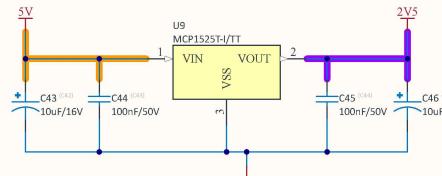
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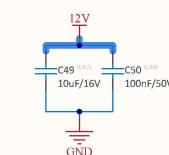
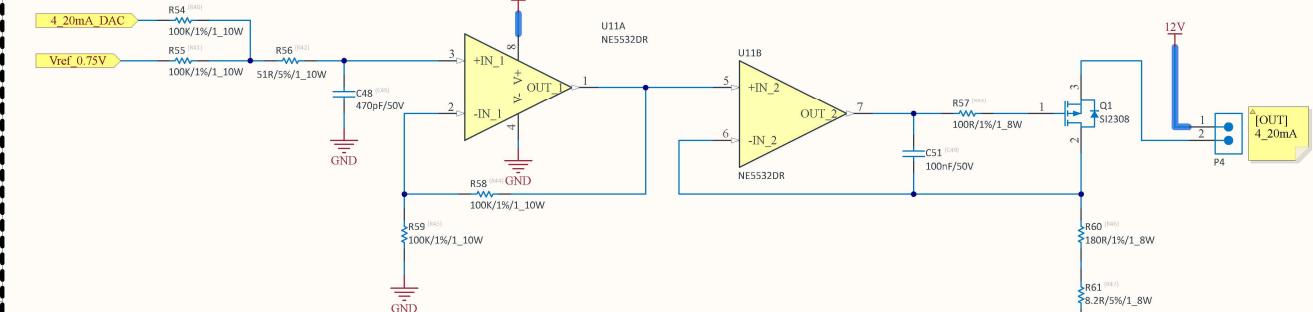
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File: UART_RS485.SchDoc

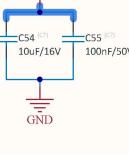
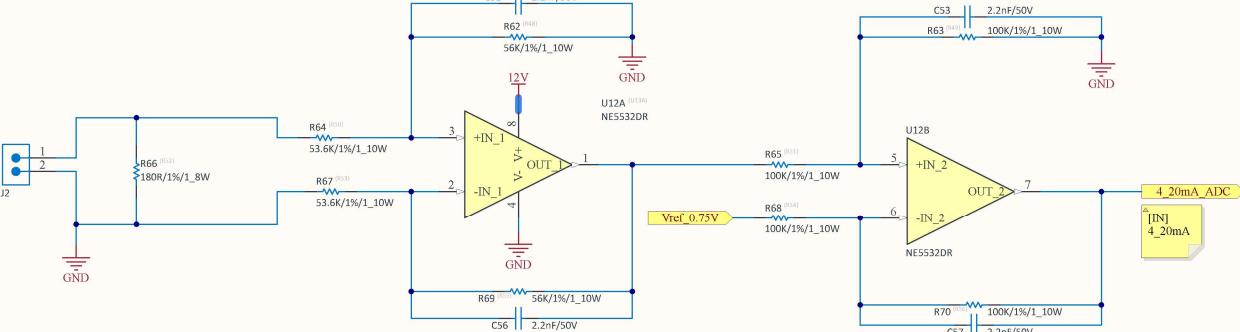
CREATE VREF 0.75V



4-20mA OUTPUT

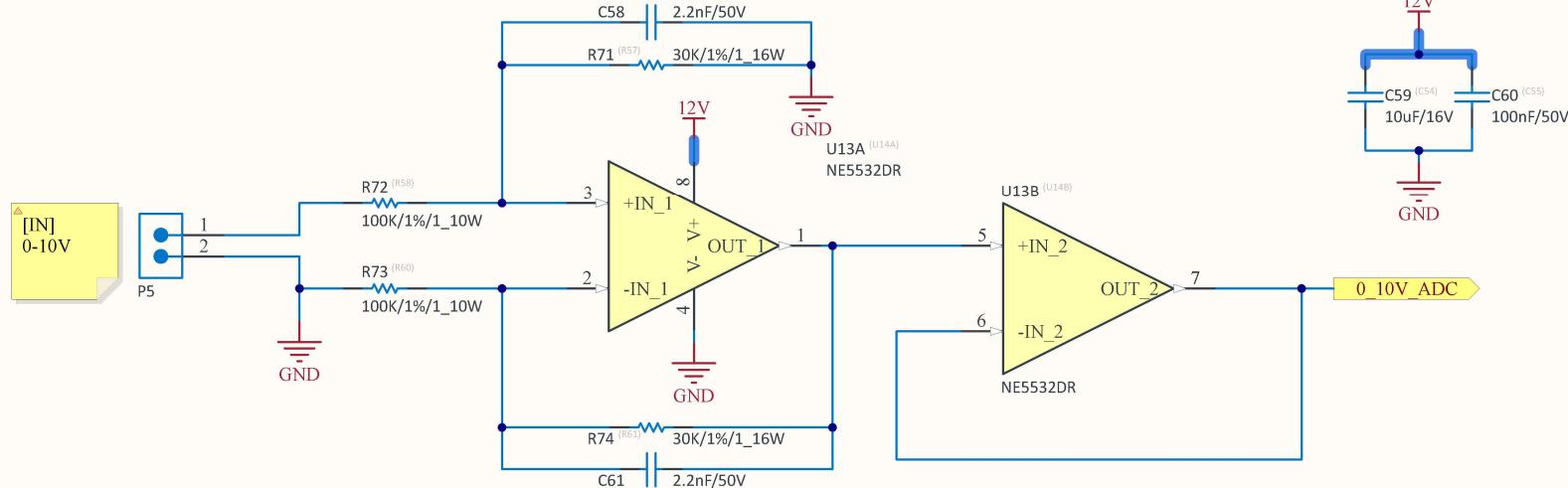


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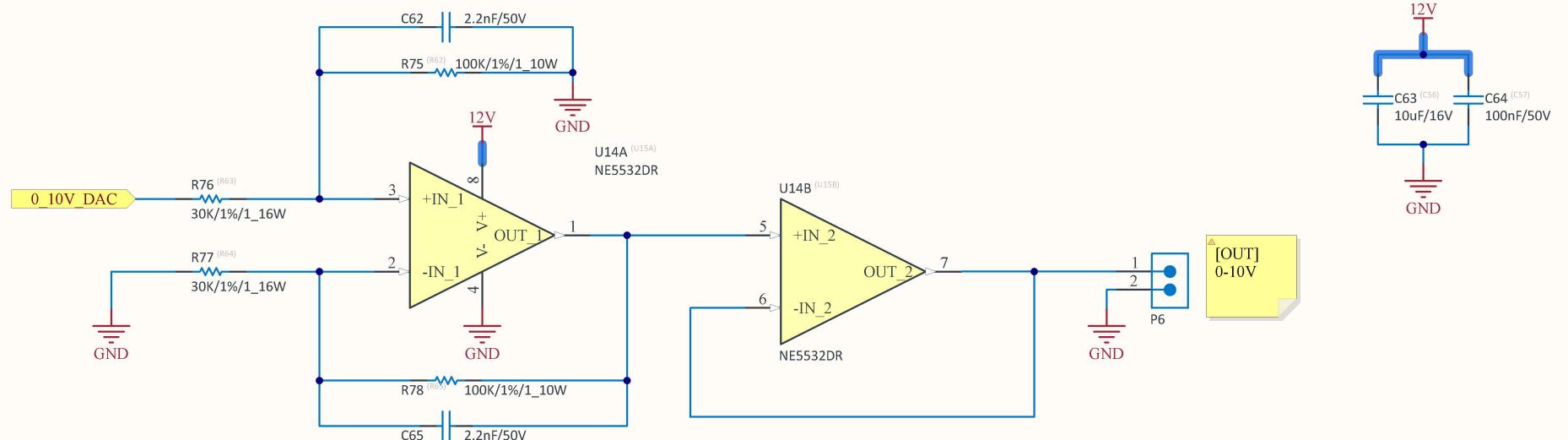


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BluetoothGateway		
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File: 4-20mA_Converter.SchDoc		

0-10V INPUT



0-10V OUTPUT



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BluetoothGateway



Size

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Revision

Date:

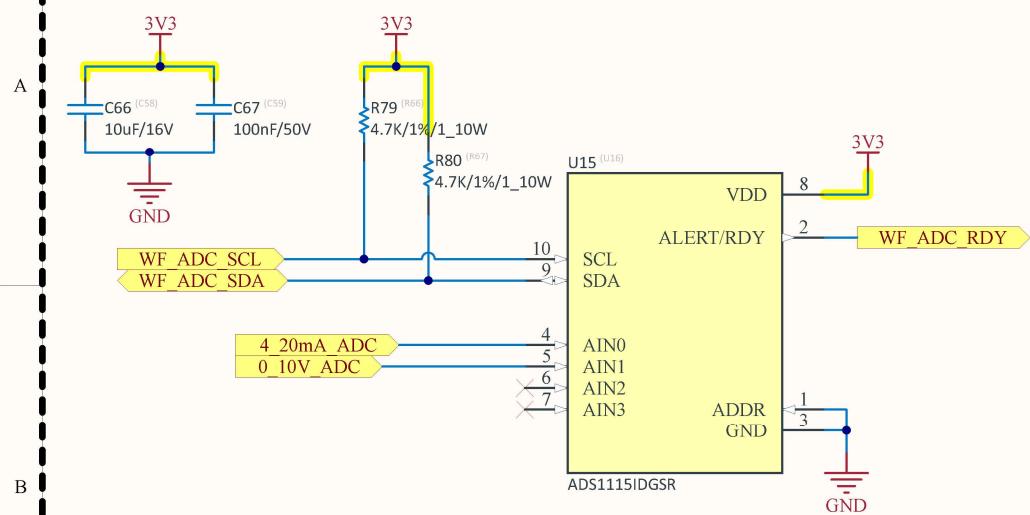
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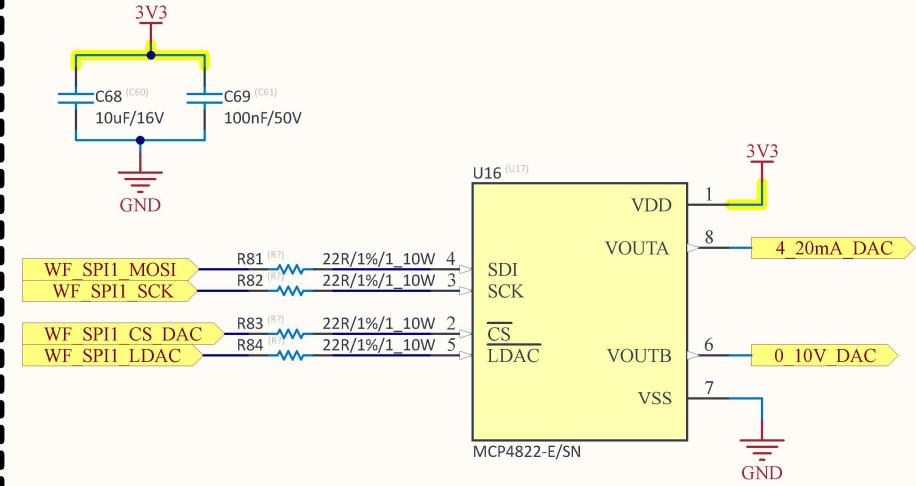
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File: 0-10V_Converter.SchDoc

EXTERNAL ADC



EXTERNAL DAC



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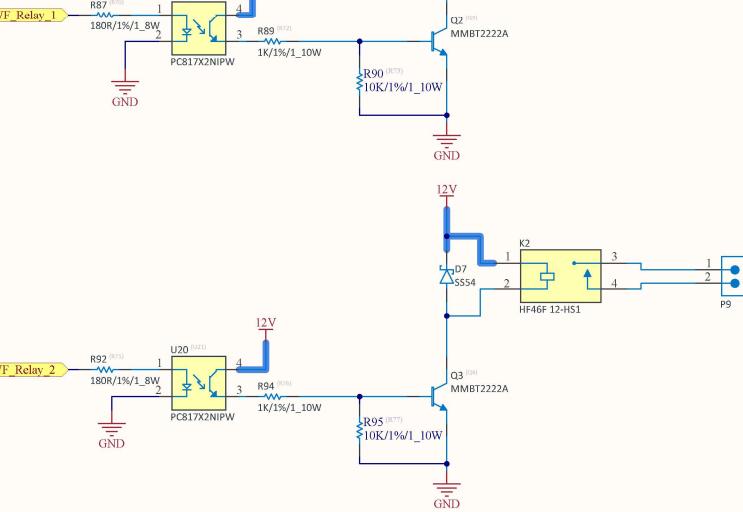
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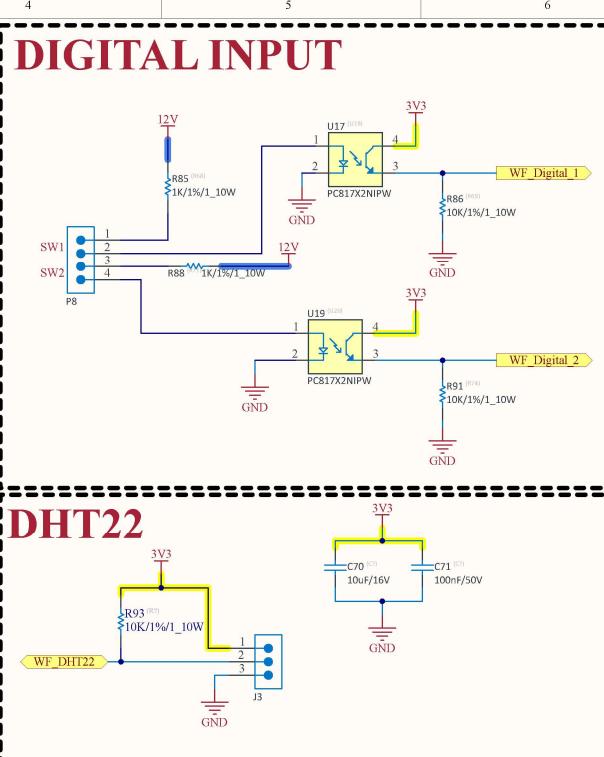
RELAY

A



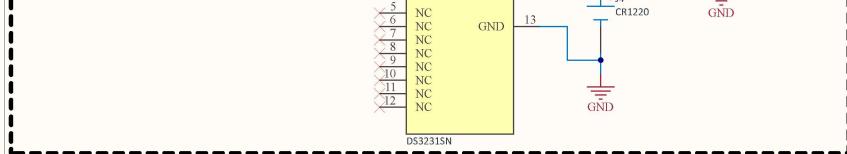
DIGITAL INPUT

DHT22



RTC

C



Project Name

BluetoothGateway



Size

A3

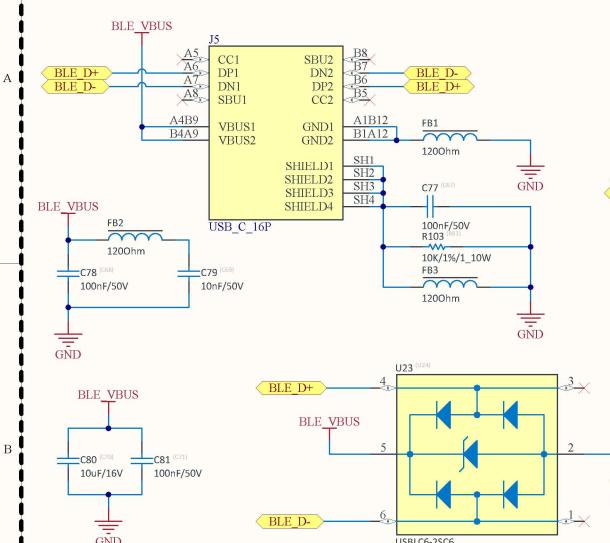
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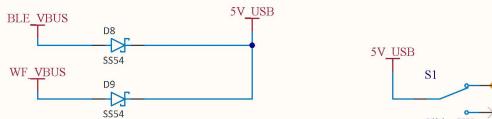
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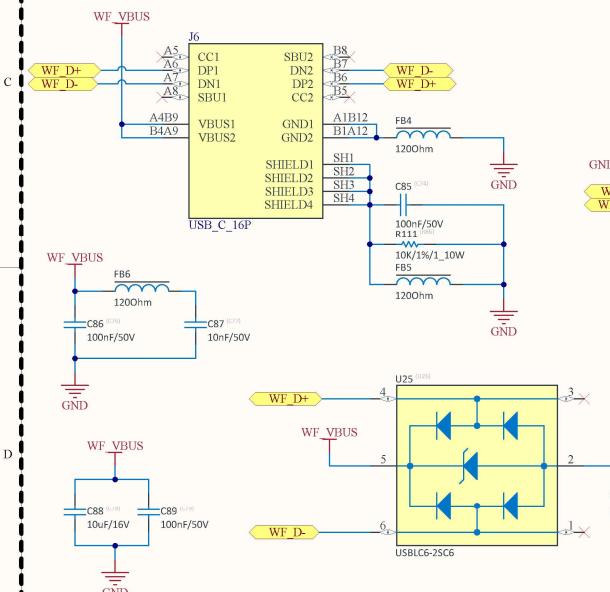
PROGRAM ESP32-S3-Bluetooth



COMBINE SOURCES



PROGRAM ESP32-S3-WiFi



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