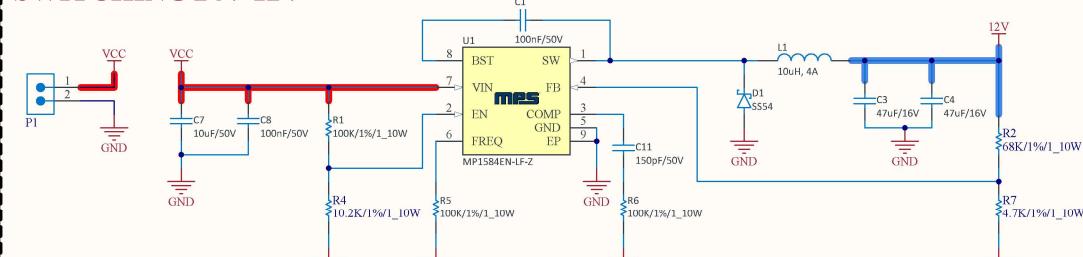
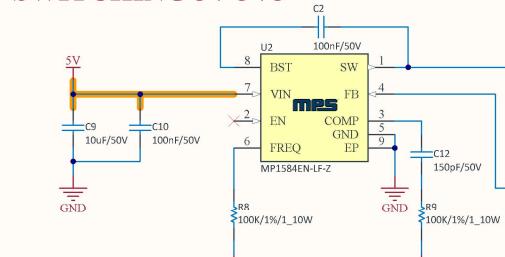


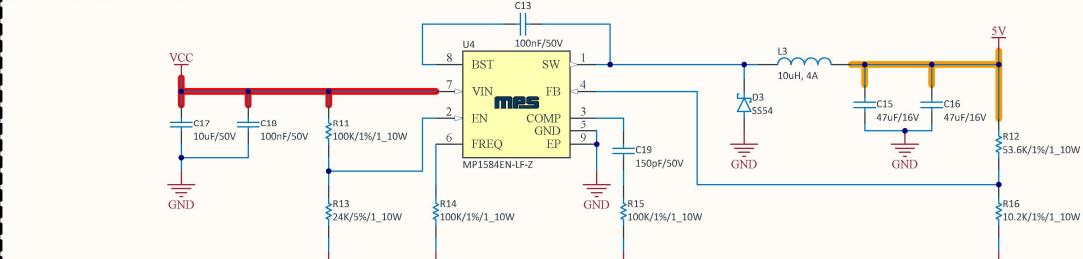
## SWITCHING 24V-12V



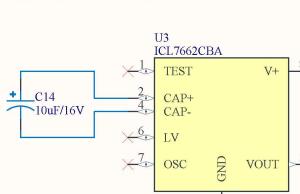
## SWITCHING 5V-3V3



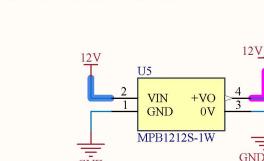
## SWITCHING 24V-5V



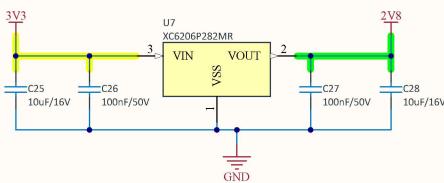
## CHARGEPUOMP -12V



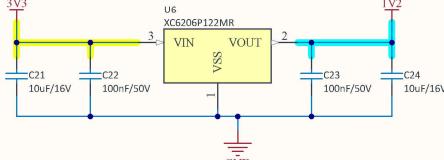
## ISOLATED 12V



## LDO 3V3-2V8



## LDO 3V3-1V2



Project Name

BluetoothGateway



Size

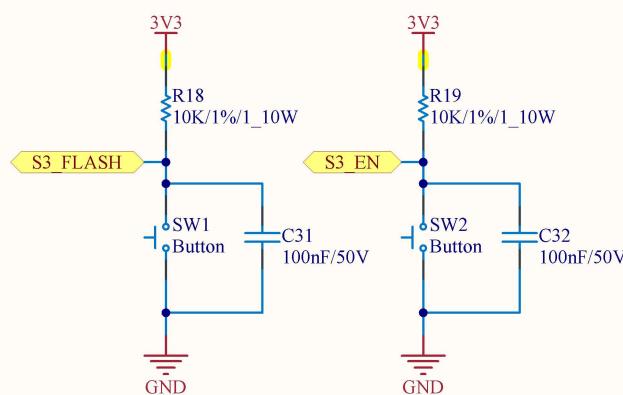
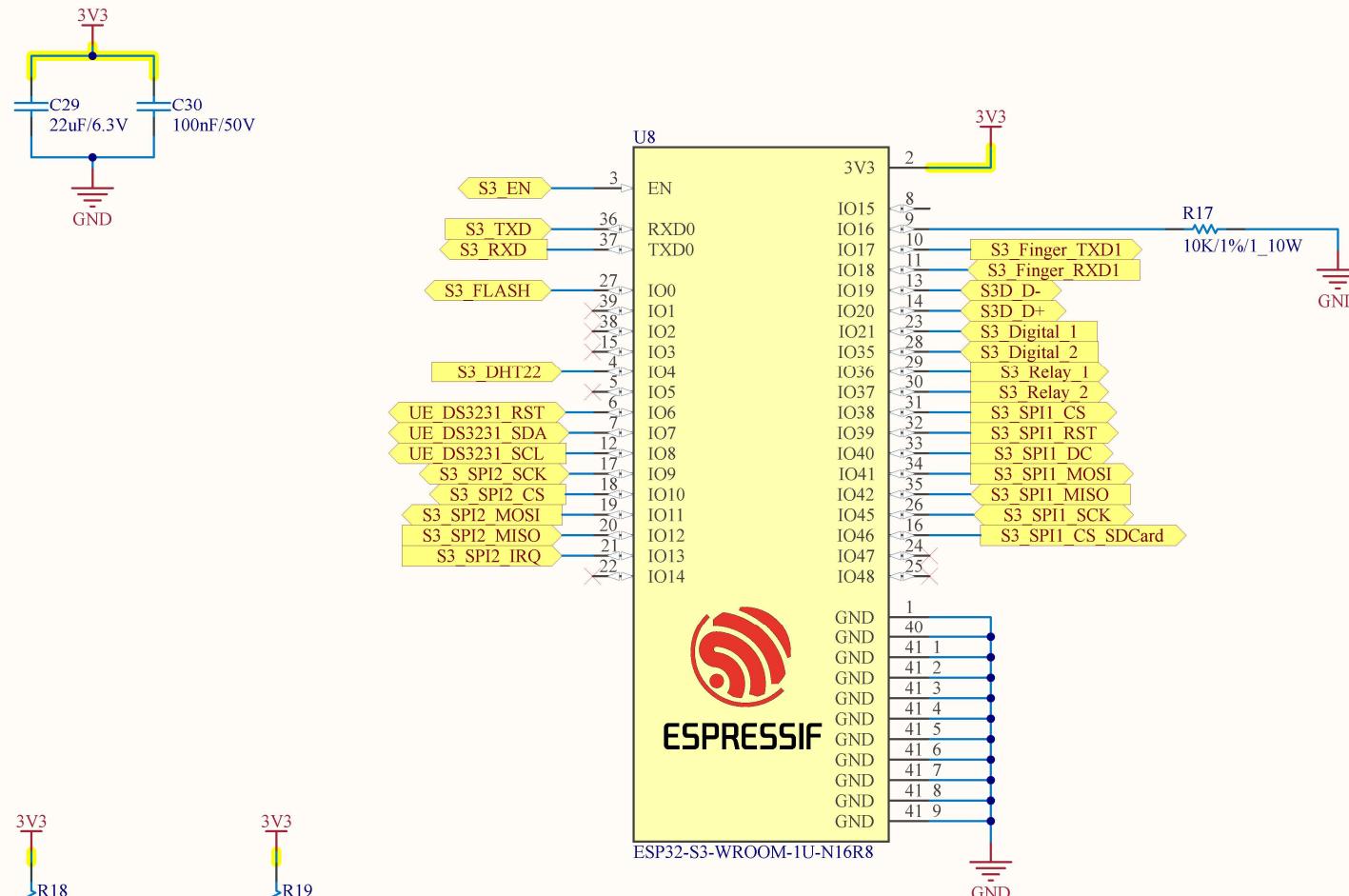
A3

Revision

Date: 1/21/2025 Last Modified: 1/21/2025

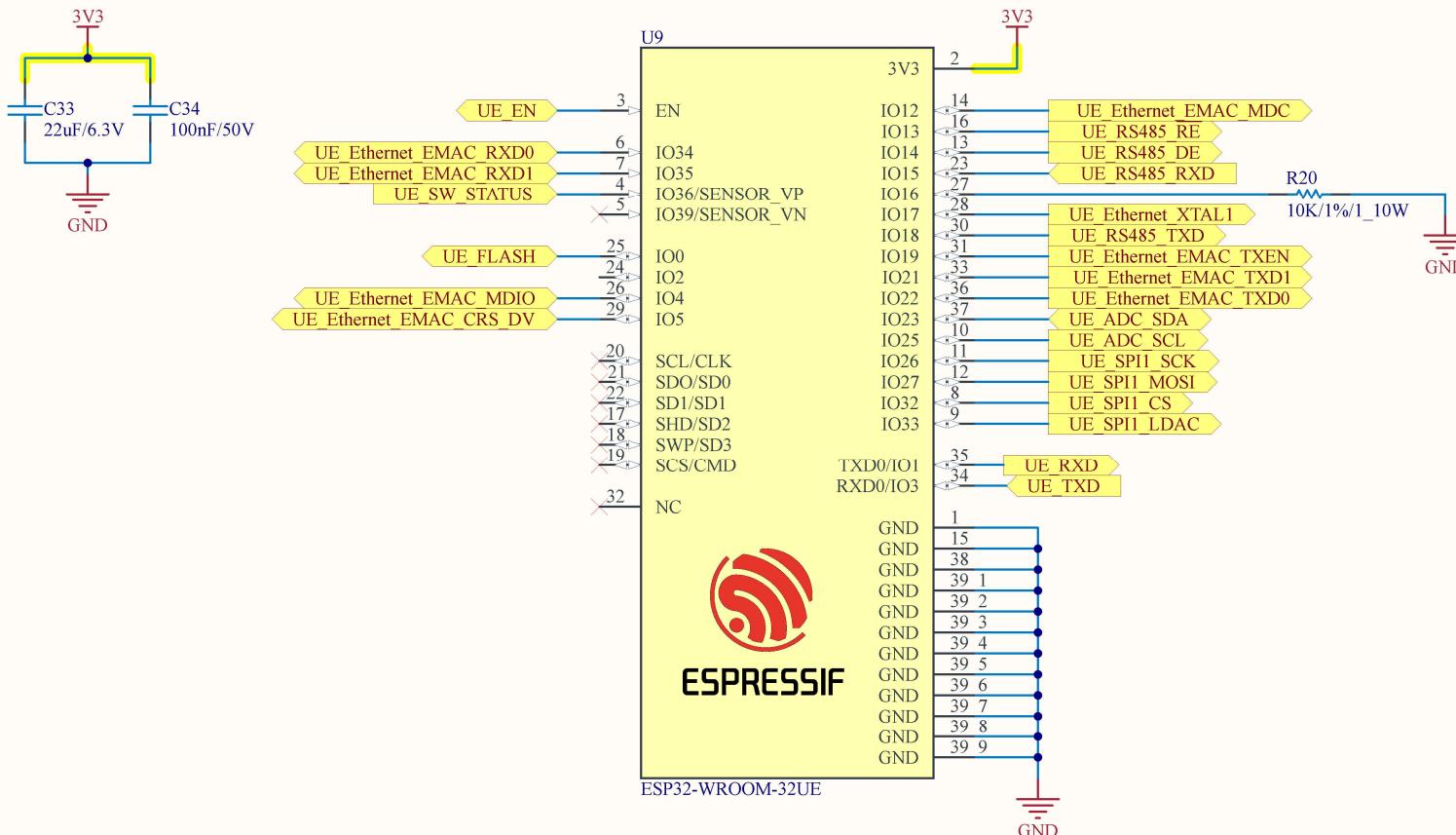
Drawn By: \* Sheet 2 of 14 Checked By: \*

File: Power\_Supply.SchDoc



Project Name		 
<h1>BluetoothGateway</h1>		
Size	A4	Revision
Date:	1/21/2025	Last Modified: 1/21/2025
Drawn By:	*	Sheet 3 of 14      Checked By: *
File: ESP32_BLE.SchDoc		

A

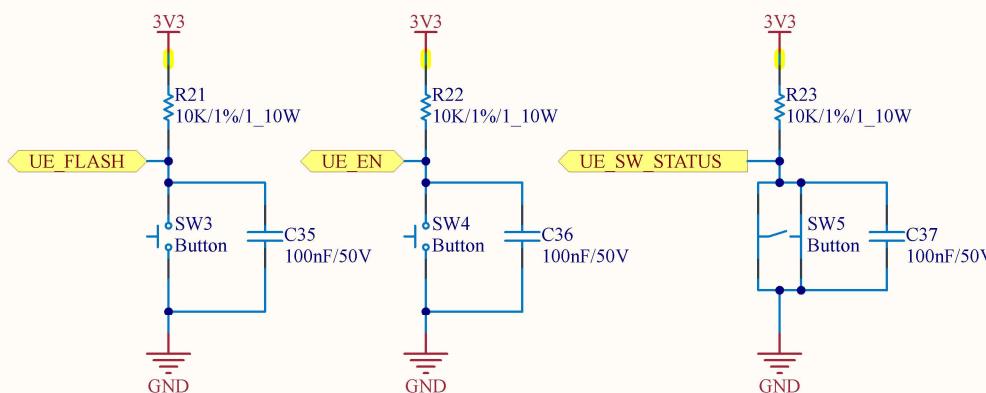


B

A

B

C



D

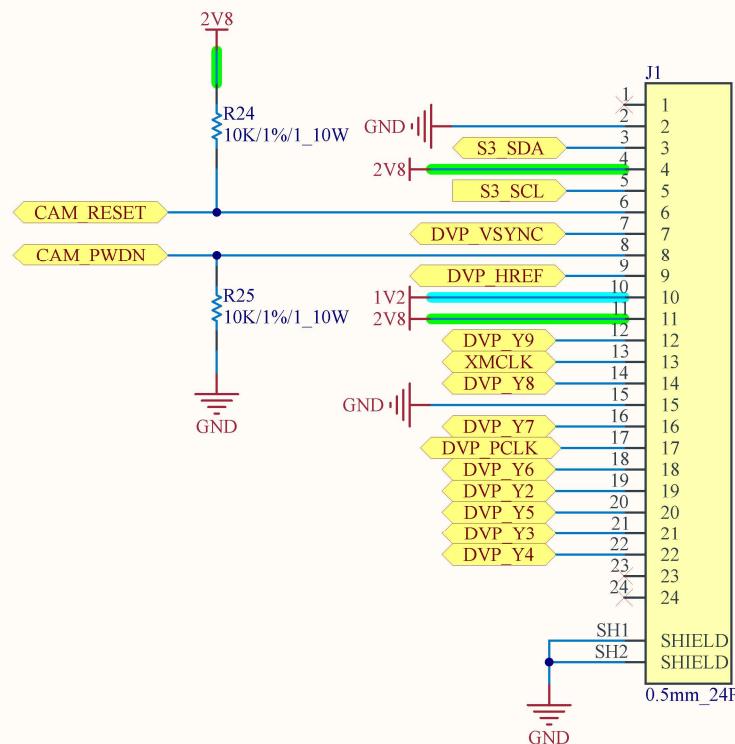
C

D

Project Name	
<b>BluetoothGateway</b>	
Size	Revision
<b>A4</b>	
Date: 1/21/2025	Last Modified: 1/21/2025
Drawn By: *	Sheet 4 of 14
Checked By: *	
File: ESP32_WiFi.SchDoc	

A

A



B

B

C

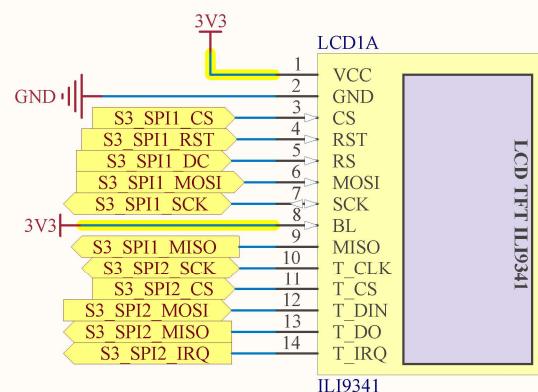
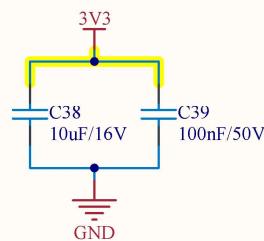
C

D

D

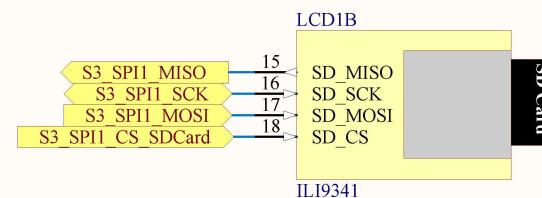
Project Name		
<b>BluetoothGateway</b>		
Size	Revision	
<b>A4</b>		
Date: 1/21/2025	Last Modified: 1/21/2025	
Drawn By: *	Sheet 5 of 14	Checked By: *
File: Camera.SchDoc		

A



B

A



C

B

C

D

D

Project Name

BluetoothGateway



Size

A4

Revision

Date: 1/21/2025

Last Modified: 1/21/2025

Drawn By: \*

Sheet 6 of 14      Checked By: \*

File: Display.SchDoc

A

A

B

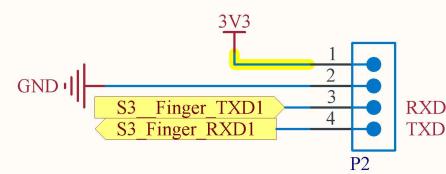
B

C

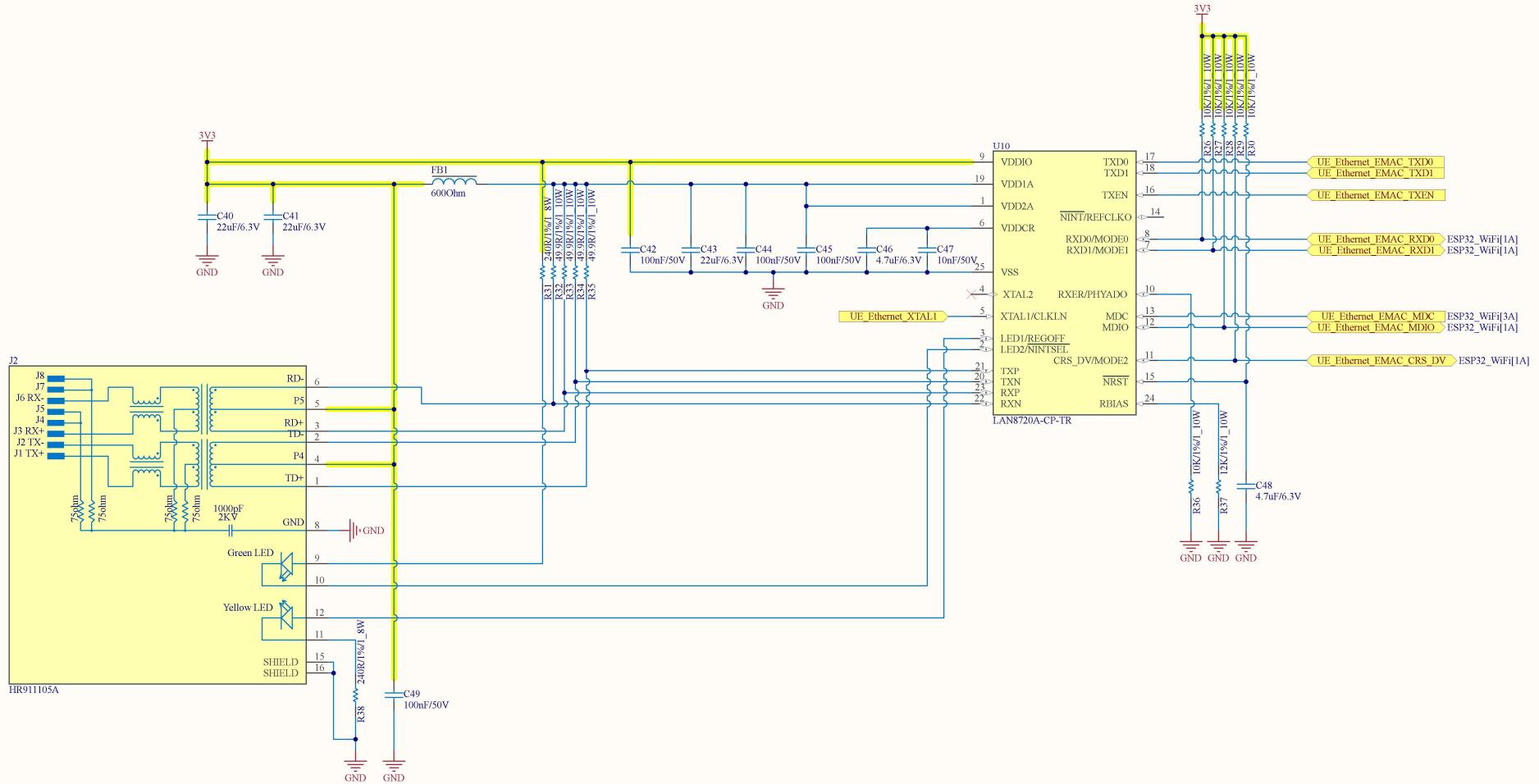
C

D

D



Project Name	
BluetoothGateway  	
Size	Revision
A4	
Date: 1/21/2025	Last Modified: 1/21/2025
Drawn By: *	Sheet 7 of 14
	Checked By: *
File: FingerPrint.SchDoc	



Project Name	
<b>BluetoothGateway</b>	
Size	Revision
<b>A3</b>	
Date: 1/21/2025	Last Modified: 1/21/2025
Drawn By: *	Sheet 8 of 14
Checked By: *	
File: Ethernet.SchDoc	

A

B

C

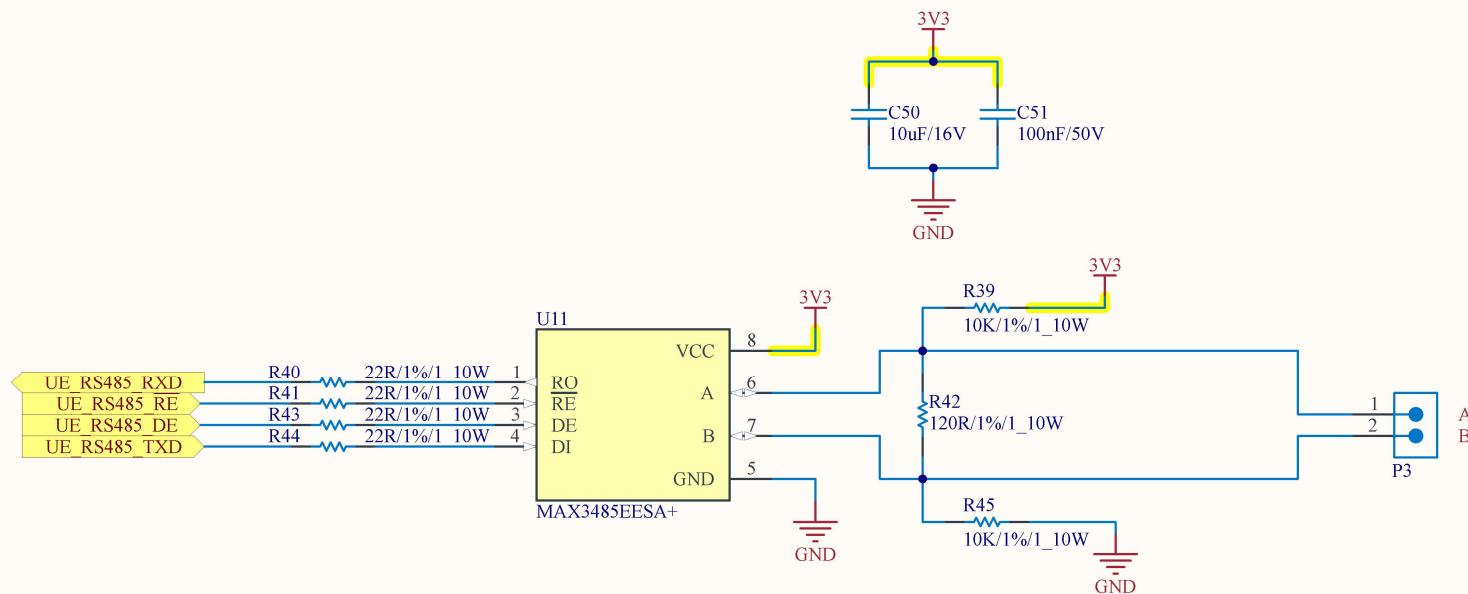
D

A

B

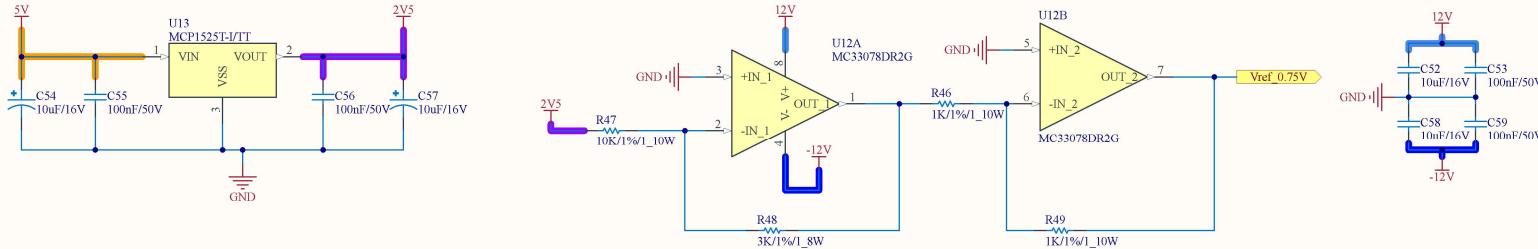
C

D

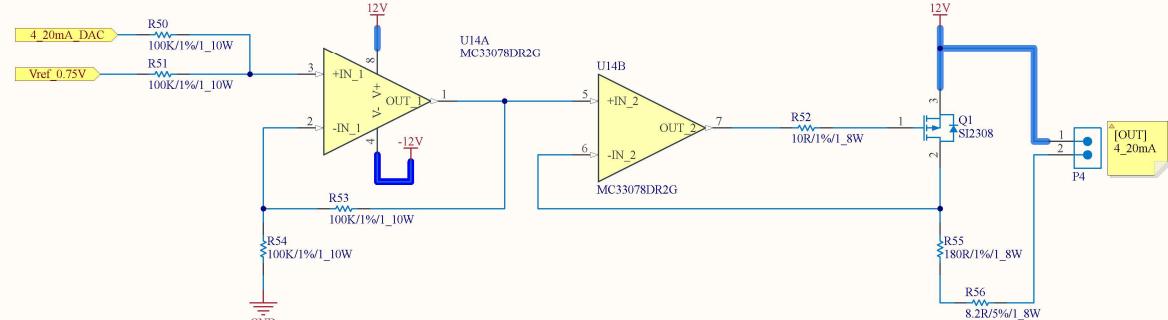


Project Name	
<b>BluetoothGateway</b>  	
Size	Revision
<b>A4</b>	
Date: 1/21/2025	Last Modified: 1/21/2025
Drawn By: *	Sheet 9 of 14
Checked By: *	
File: UART_RS485.SchDoc	

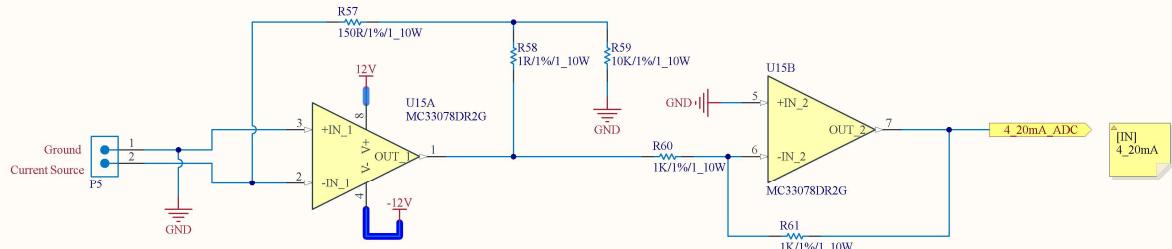
## CREATE VREF 0.75V



## 4-20mA OUTPUT

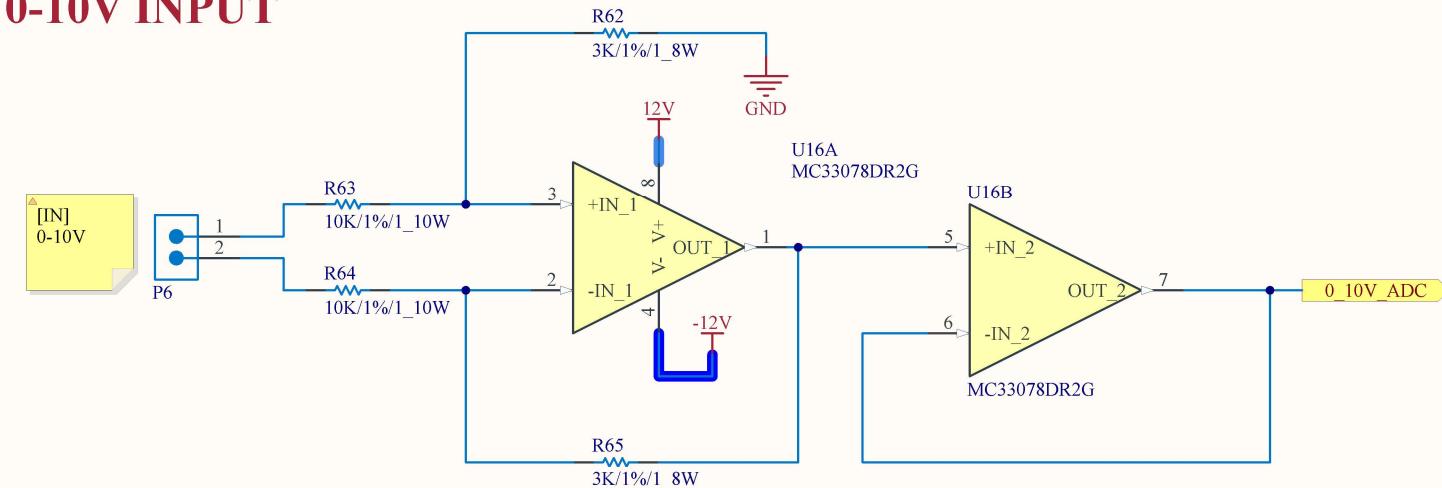


## 4-20mA INPUT

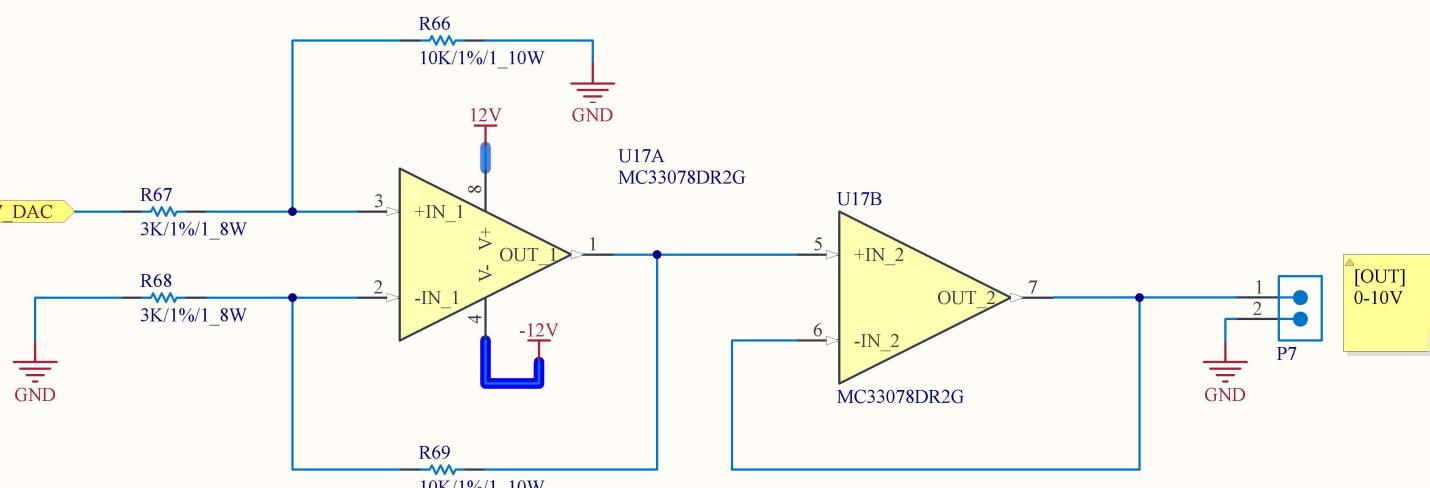


Project Name	
<b>BluetoothGateway</b>	
Size	Revision
<b>A3</b>	
Date: 1/21/2025	Last Modified: 1/21/2025
Drawn By: *	Sheet 10 of 14 Checked By: *
File: 4-20mA_Converter.SchDoc	

## 0-10V INPUT



## 0-10V OUTPUT



Project Name

BluetoothGateway



A4

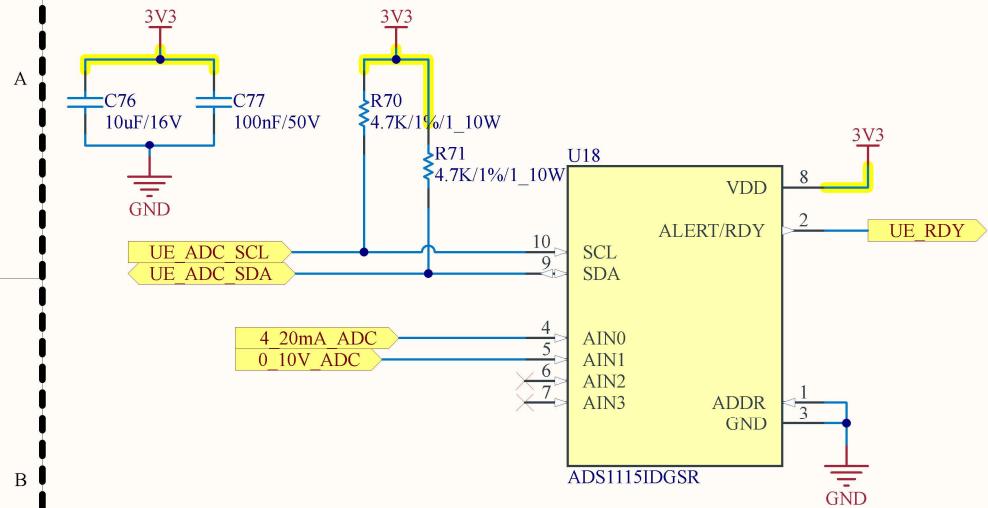
Revision

Date: 1/21/2025 Last Modified: 1/21/2025

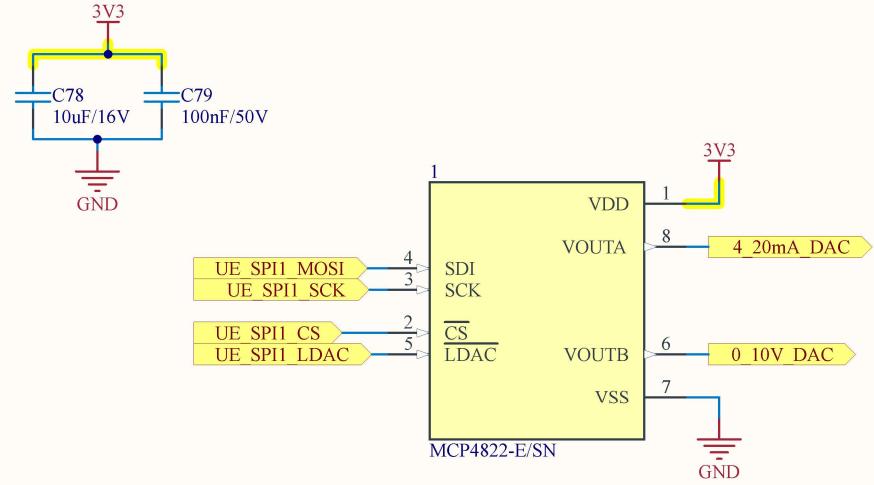
Drawn By: \* Sheet 11 of 14 Checked By: \*

File: 0-10V\_Converter.SchDoc

## EXTERNAL ADC



## EXTERNAL DAC



Project Name

BluetoothGateway



Size

A4

Revision

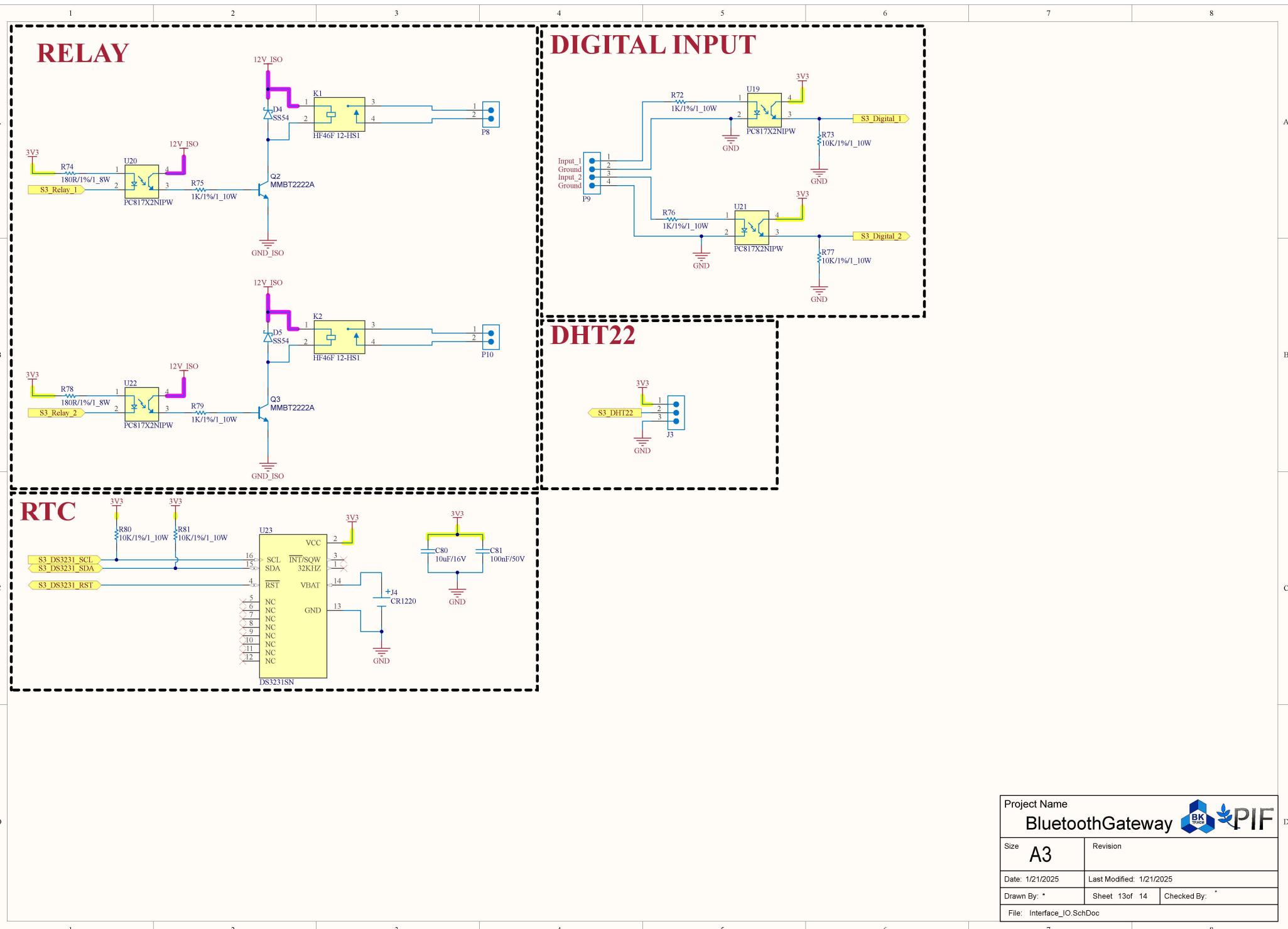
Date: 1/21/2025

Last Modified: 1/21/2025

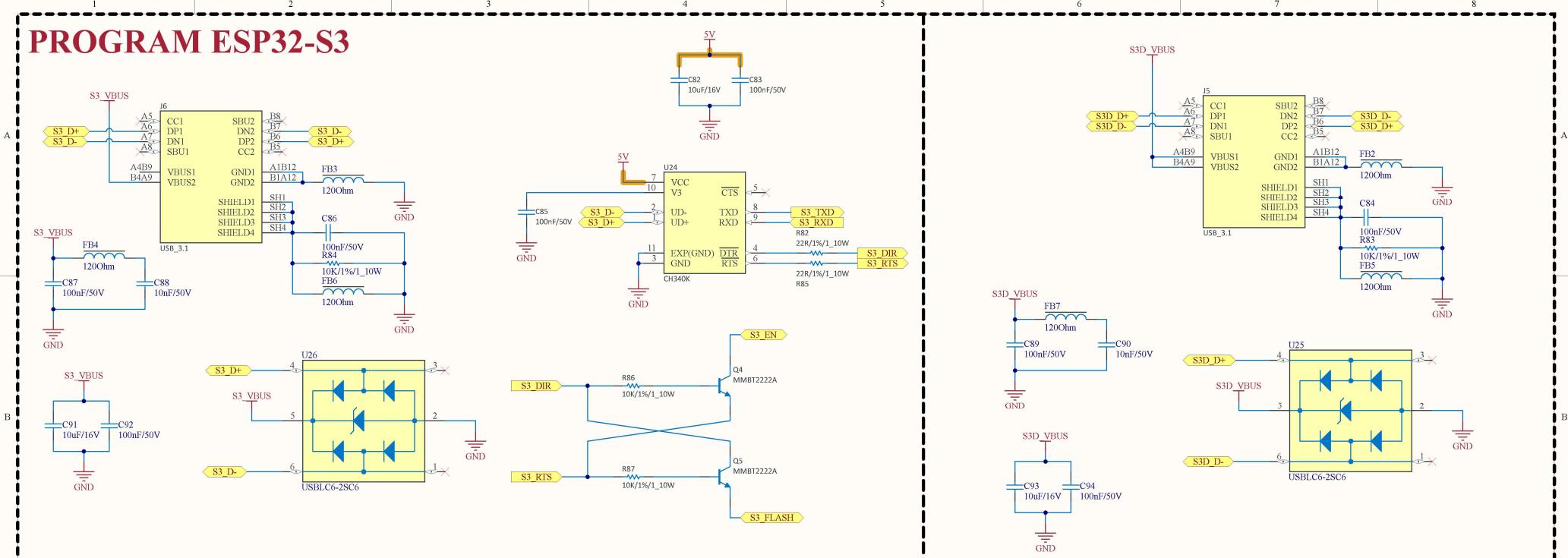
Drawn By: \*

Sheet 12 of 14 Checked By: \*

File: DAC\_ADC\_External.SchDoc



## PROGRAM ESP32-S3



## PROGRAM ESP32-WROOM-32UE

