

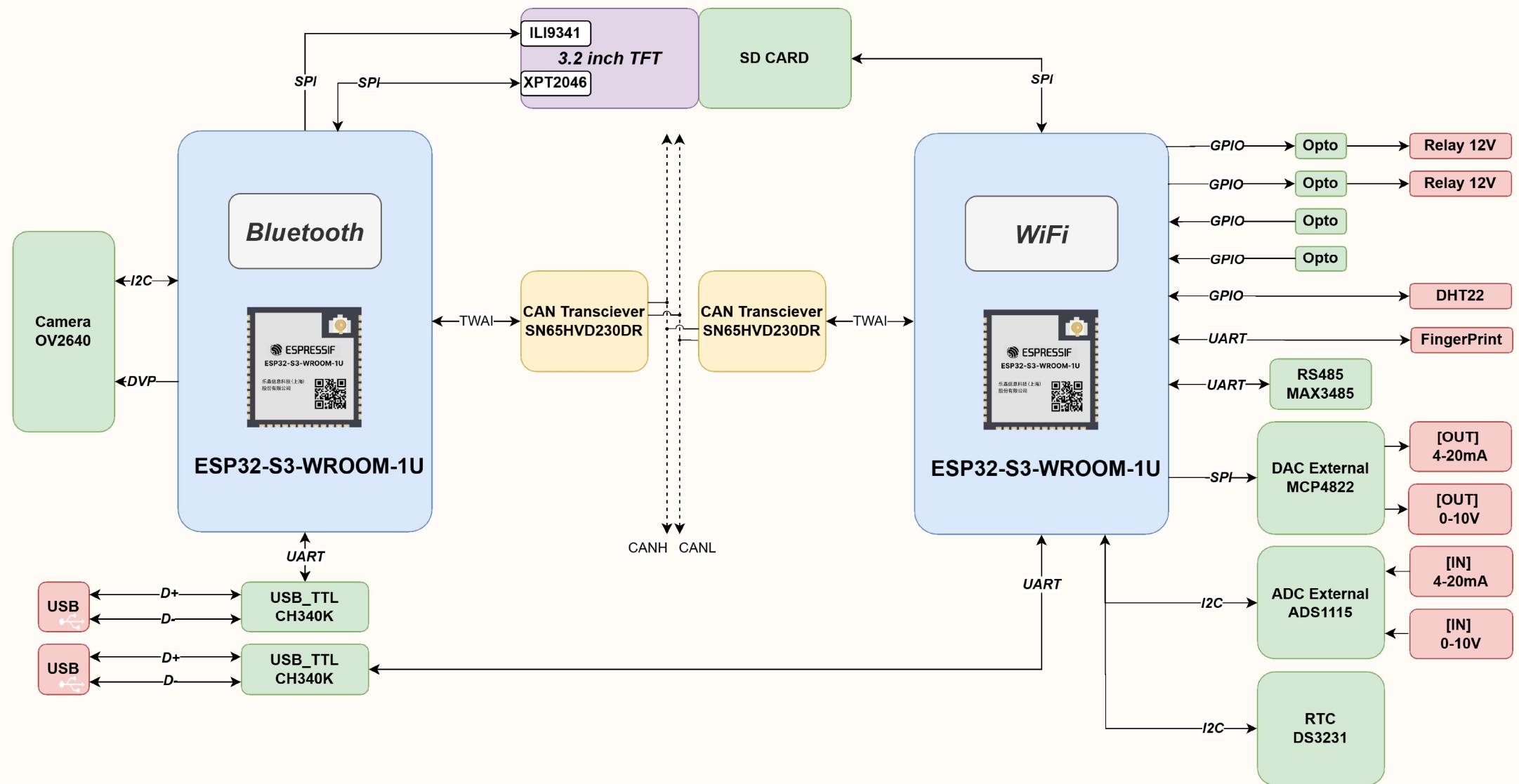
Project Name <b>BluetoothGateway</b>		
Size <b>A3</b>	Revision V1.0.0	Checked By: •
Date: 2/4/2025	Last Modified: 2/4/2025	
Drawn By: Q.Thang & T.Khoa		Sheet 1 of 17
File: Overview_Schematic.SchDoc		

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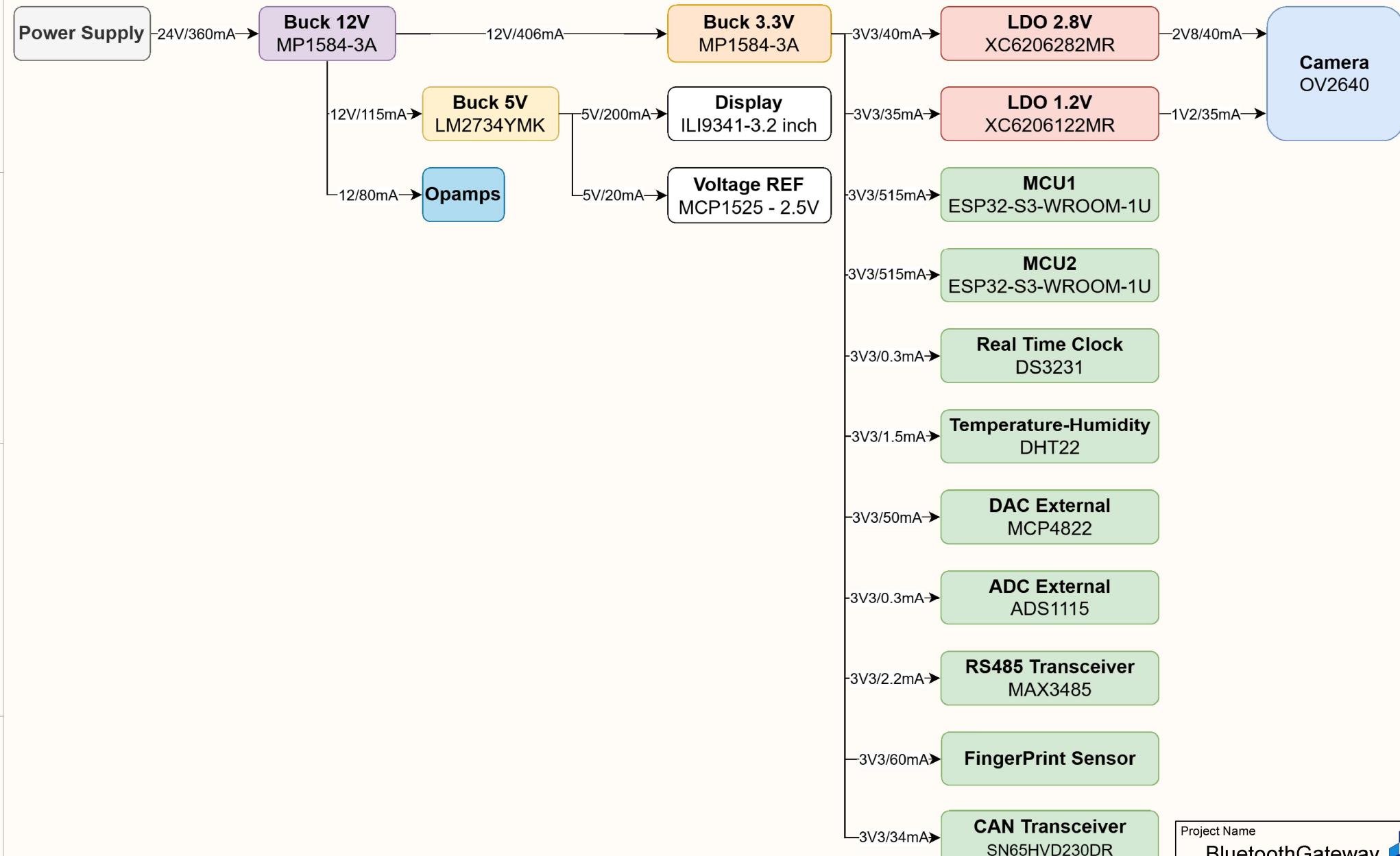
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## Bluetooth Gateway Schematic V1.0.0

Project Name		
<b>BluetoothGateway</b> 		
Size	Revision	Checked By:
<b>A4</b>	V1.0.0	*
Date: 2/4/2025	Last Modified: 2/4/2025	
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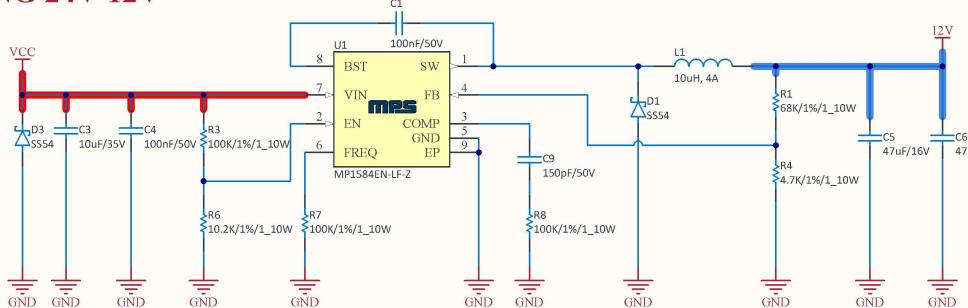


Project Name <b>BluetoothGateway</b>		
BK	PIF	
Size <b>A3</b>	Revision V1.0.0	Checked By: •
Date: 2/4/2025		Last Modified: 2/4/2025
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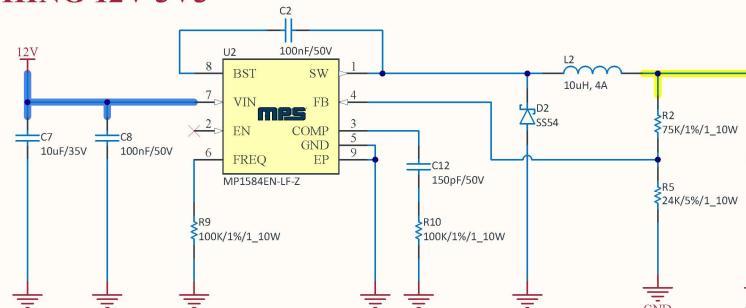


Project Name <b>BluetoothGateway</b>		
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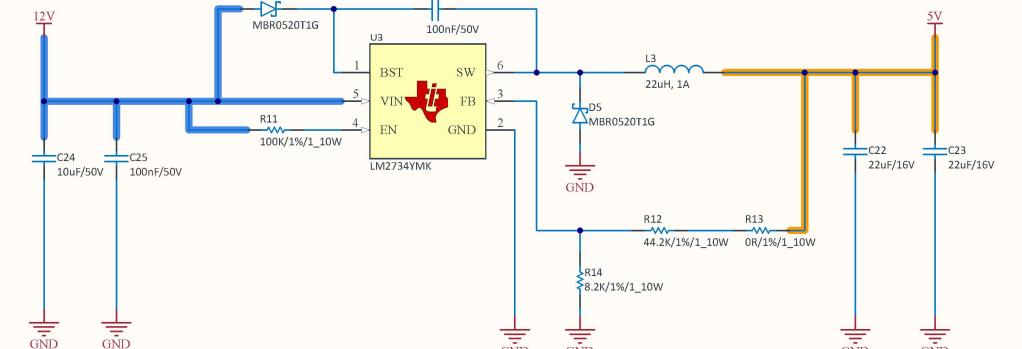
## SWITCHING 24V-12V



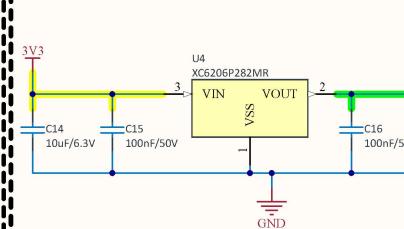
## SWITCHING 12V-3V3



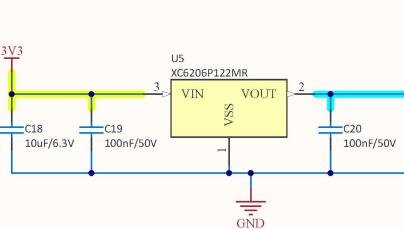
## SWITCHING 12V-5V



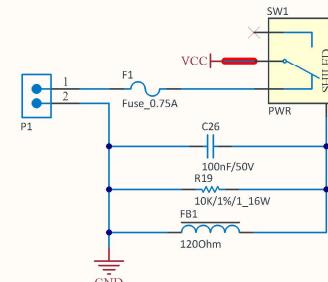
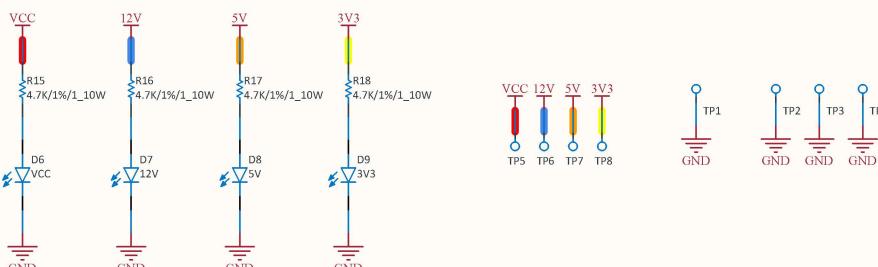
## LDO 3V3-2V8



## LDO 3V3-1V2



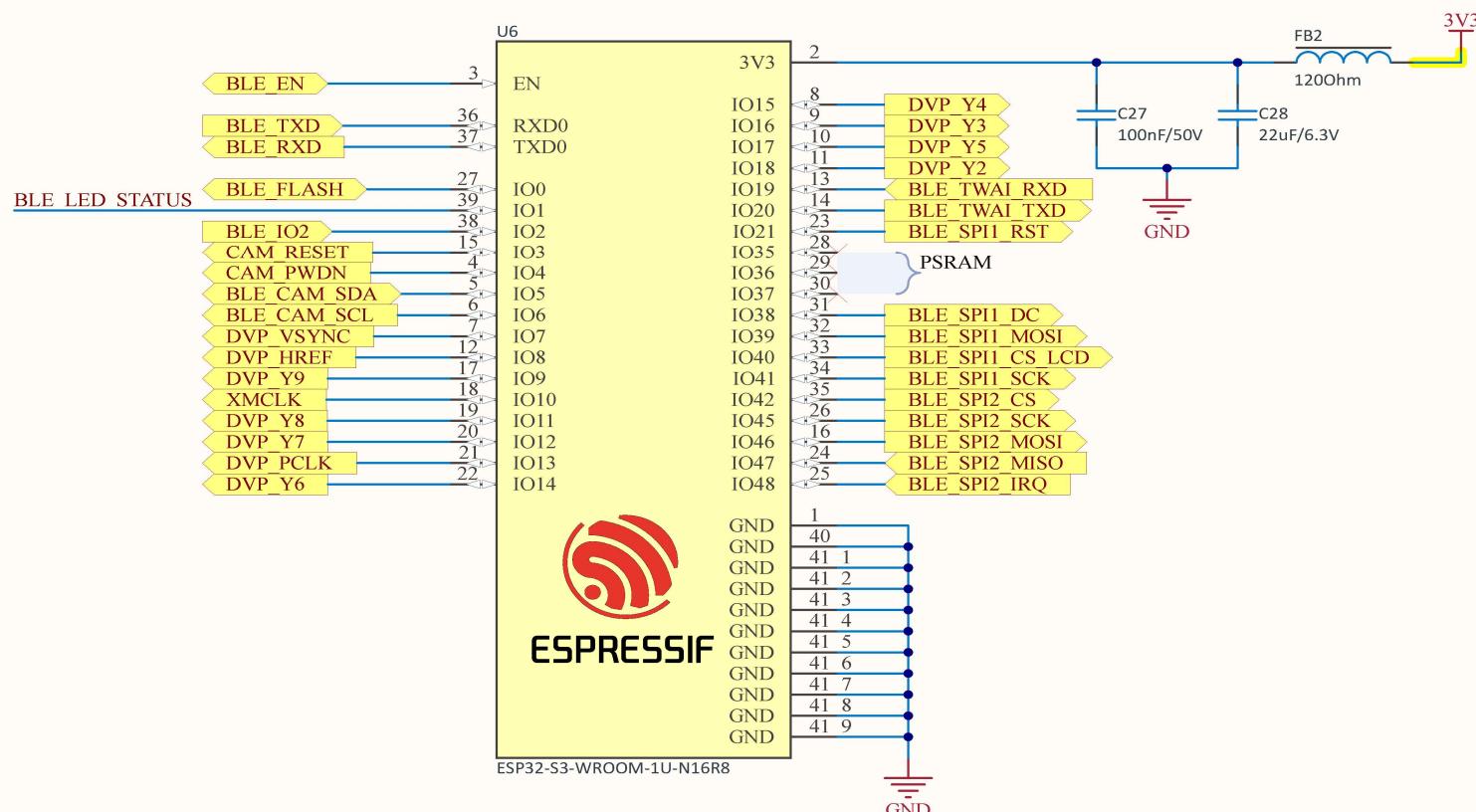
## POWER: LED & TESTPOINT



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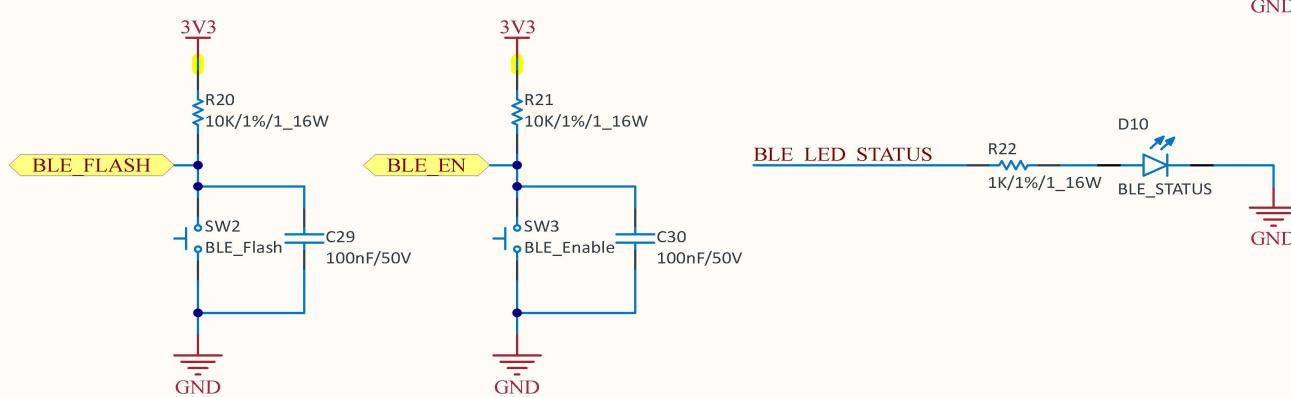


A



B

A

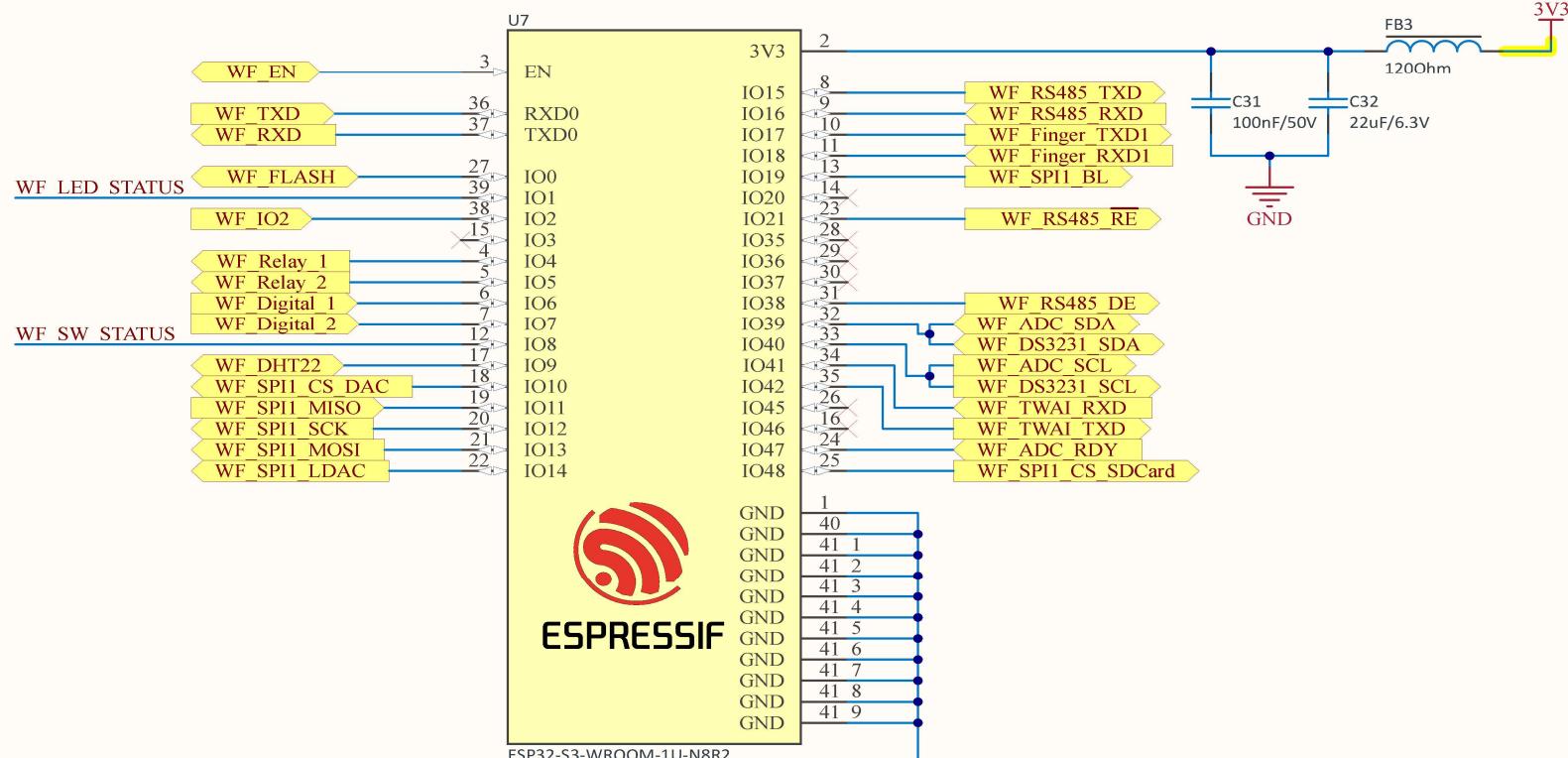


C

B

Project Name <b>BluetoothGateway</b>		
BK TRUNG	PIF	
Size <b>A4</b>	Revision <b>V1.0.0</b>	Checked By: *
Date: 2/4/2025		Last Modified: 2/4/2025
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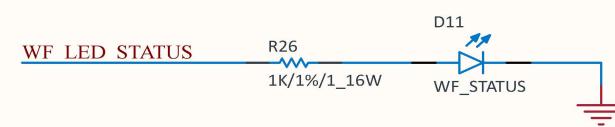
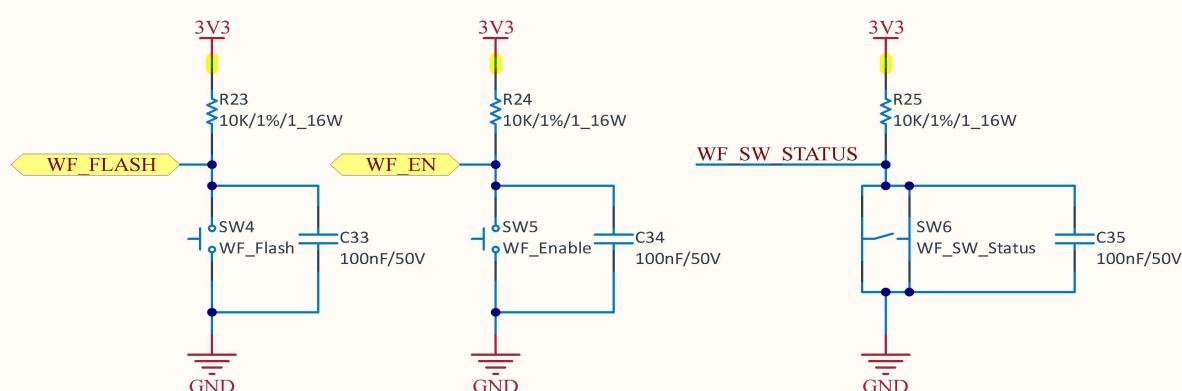
A



B

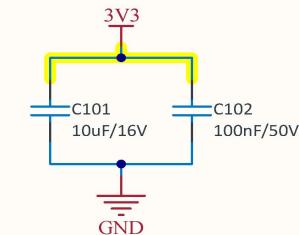
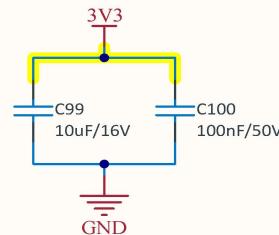
C

D

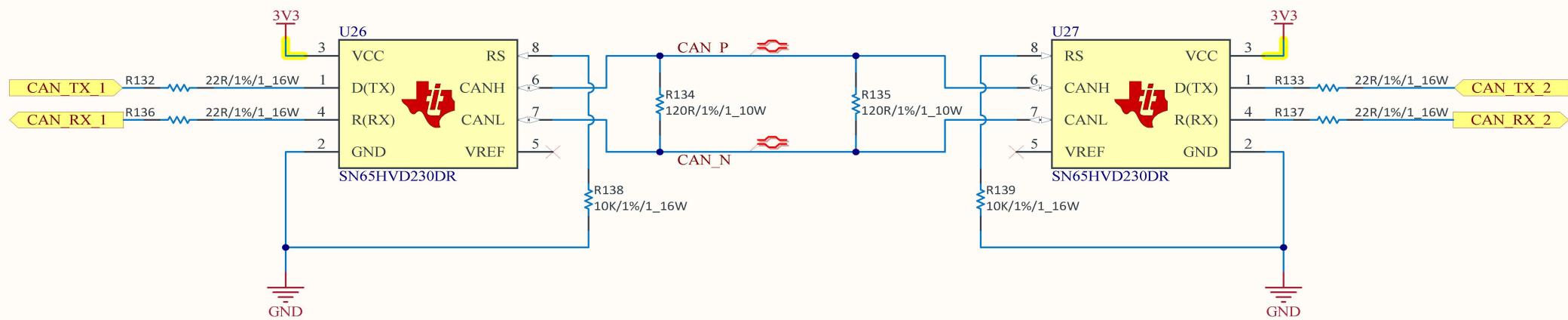


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<b>Size:</b> A4	<b>Revision:</b> V1.0.0	<b>Checked By:</b> *
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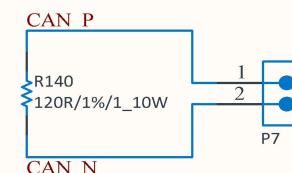
A



B



C



Project Name

BluetoothGateway



Size

A4

Revision

V1.0.0

Checked By:

\*

Date: 2/4/2025

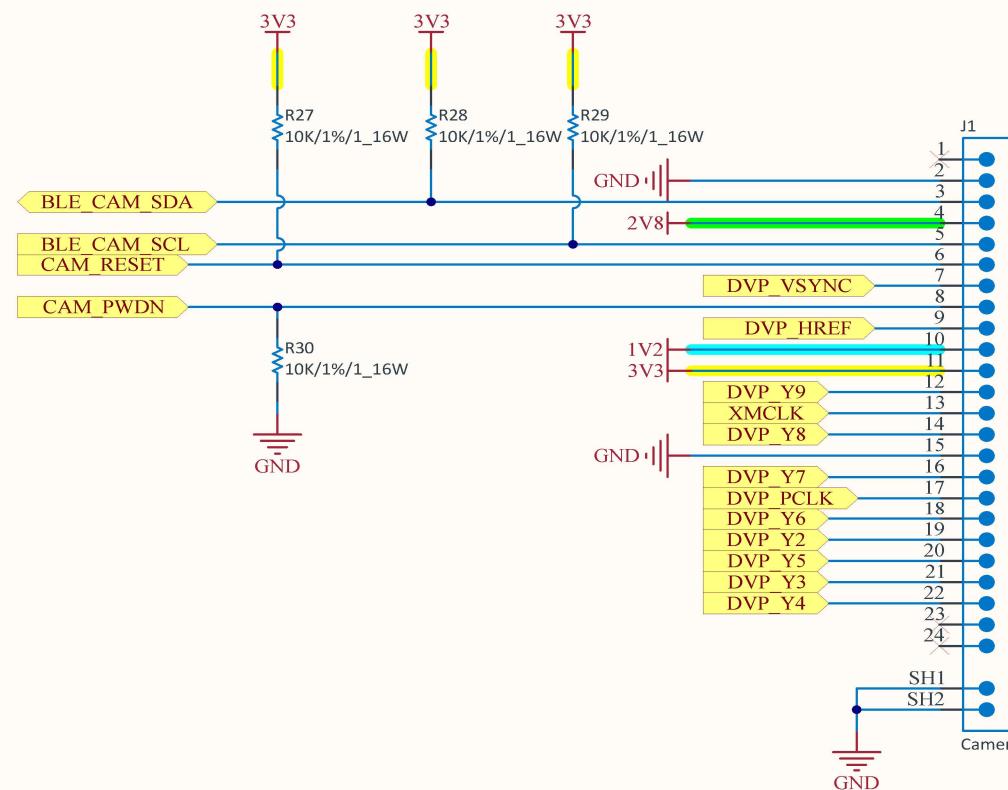
Last Modified: 2/4/2025

Drawn By: Q.Thang &amp; T.Khoa

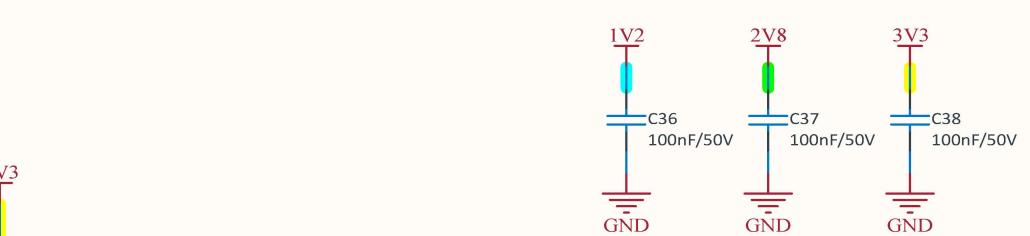
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File: Communication.SchDoc

A

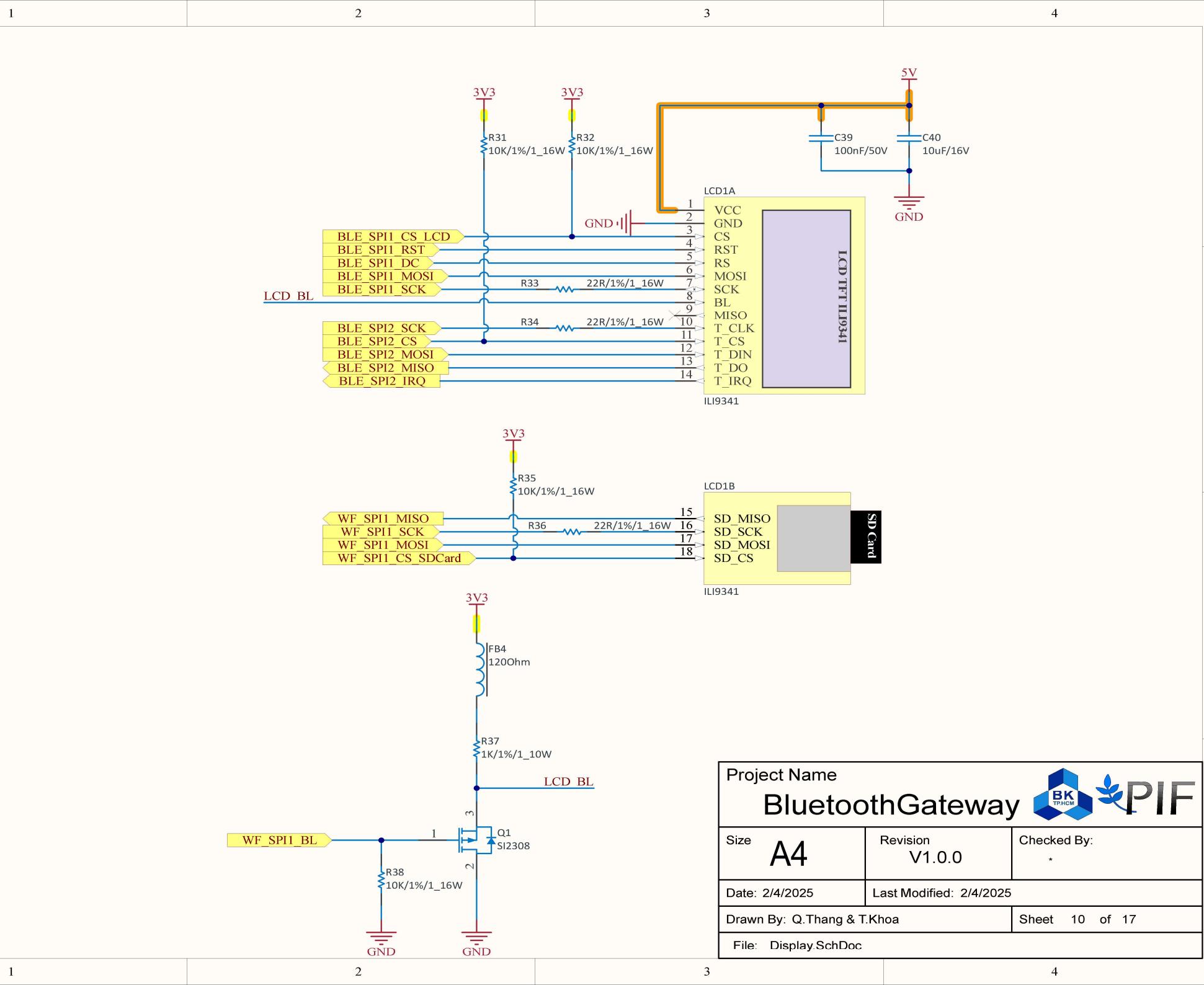


B



C

Project Name <b>BluetoothGateway</b>		
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A

A

B

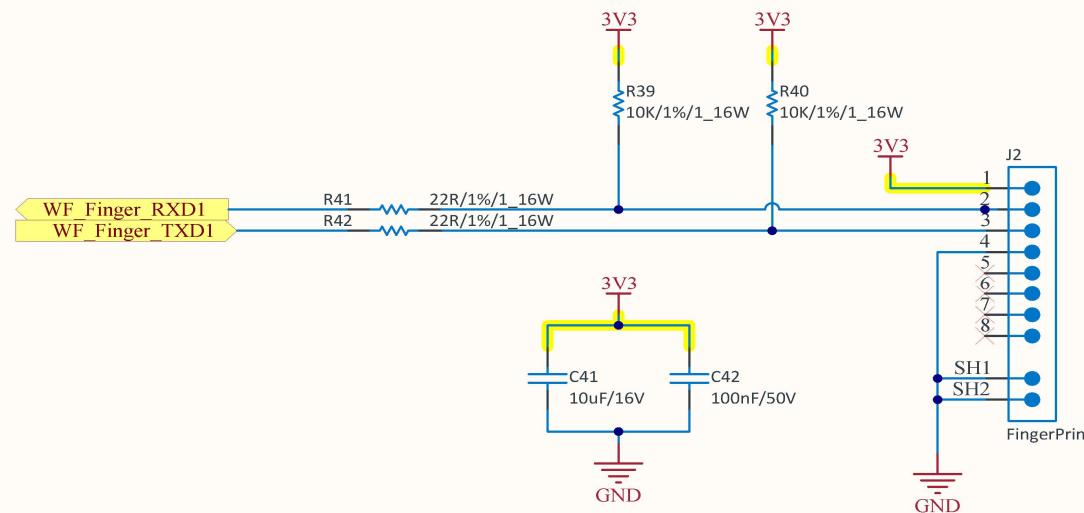
B

C

C

D

D



Project Name

**BluetoothGateway**

Size

**A4**

Revision

**V1.0.0**

Checked By:

\*

Date: 2/4/2025

Last Modified: 2/4/2025

Drawn By: Q.Thang &amp; T.Khoa

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File: FingerPrint.SchDoc

A

A

B

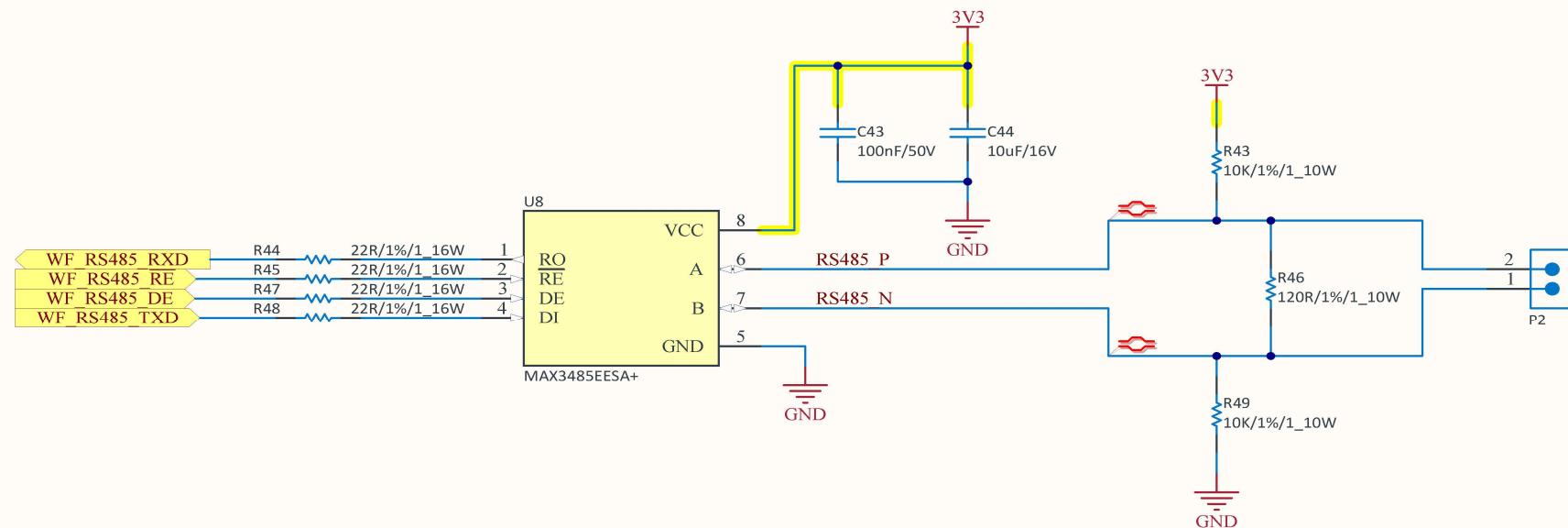
B

C

C

D

D



Project Name

BluetoothGateway



Size

A4

Revision

V1.0.0

Checked By:

\*

Date: 2/4/2025

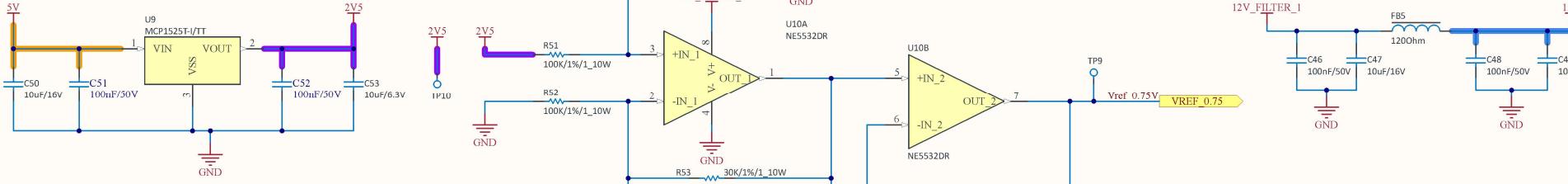
Last Modified: 2/4/2025

Drawn By: Q.Thang &amp; T.Khoa

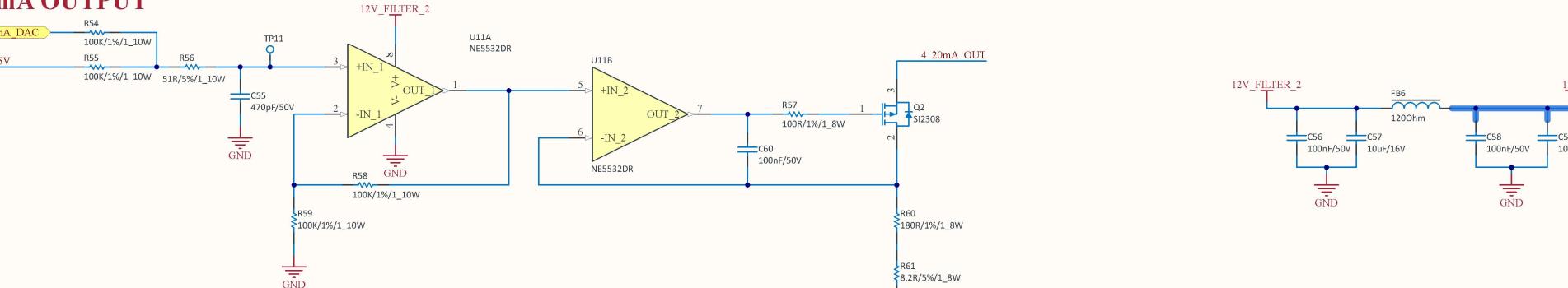
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File: UART\_RS485.SchDoc

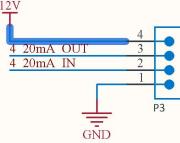
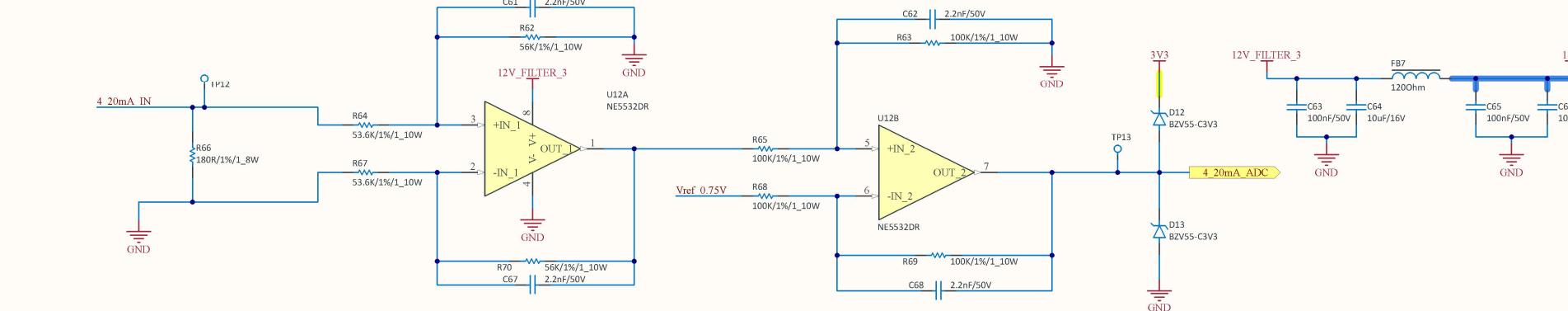
## CREATE VREF 0.75V



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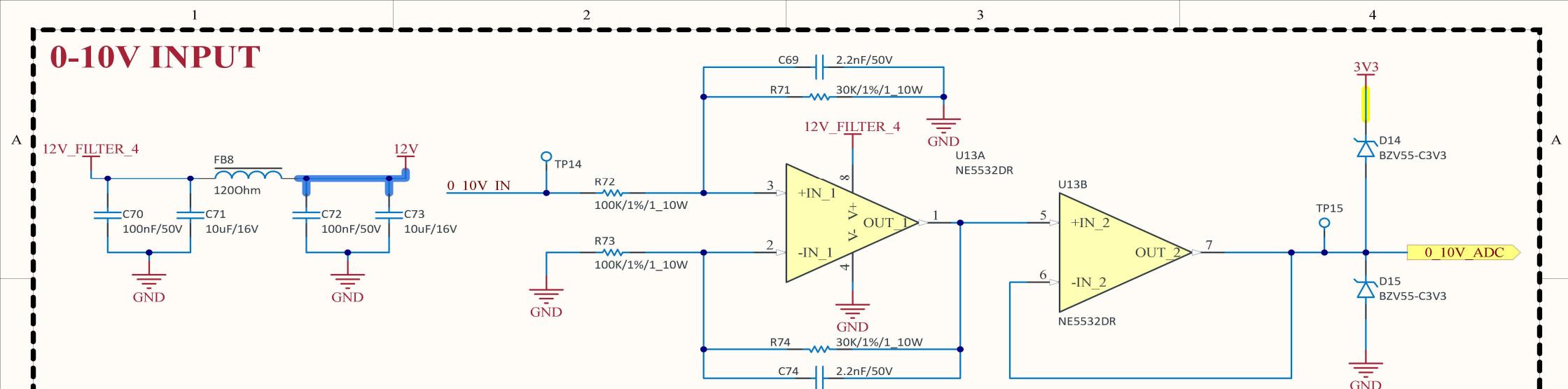


## 4-20mA INPUT

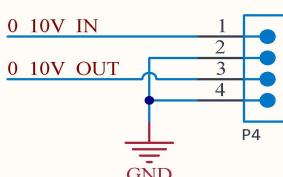
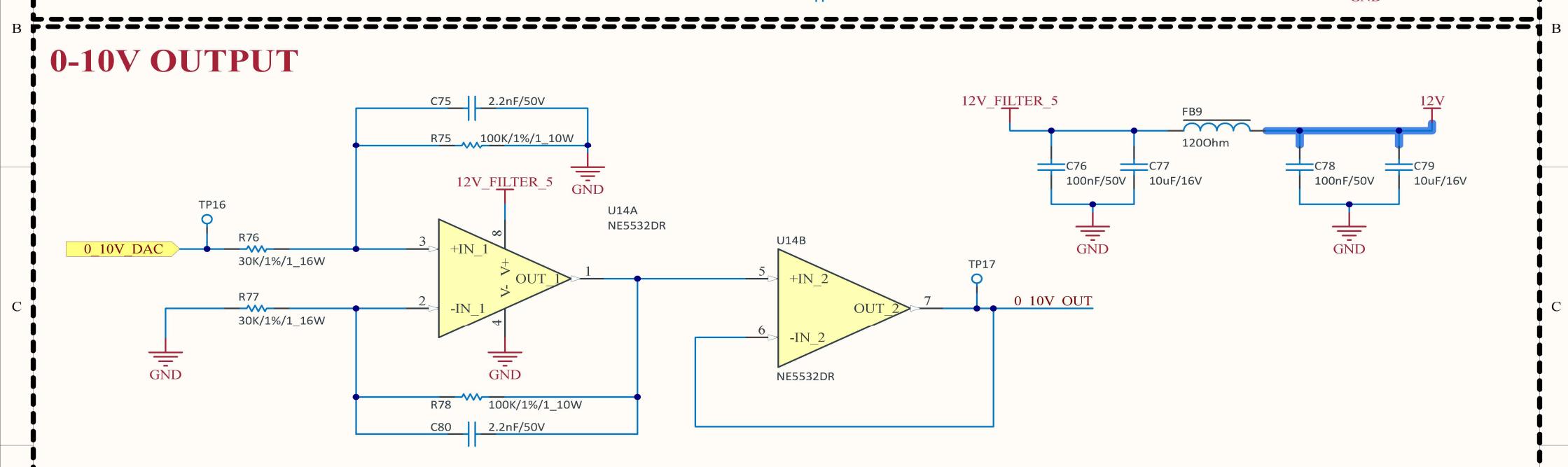


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## 0-10V INPUT

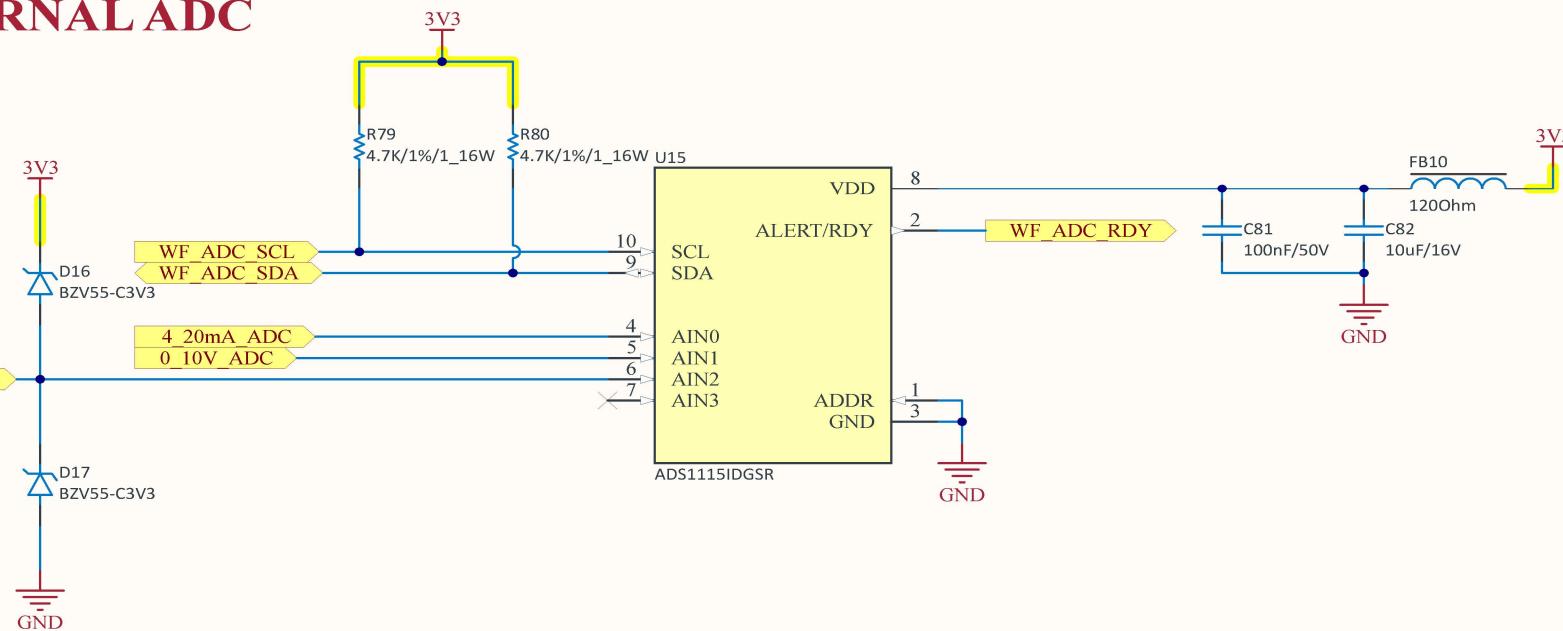


## 0-10V OUTPUT

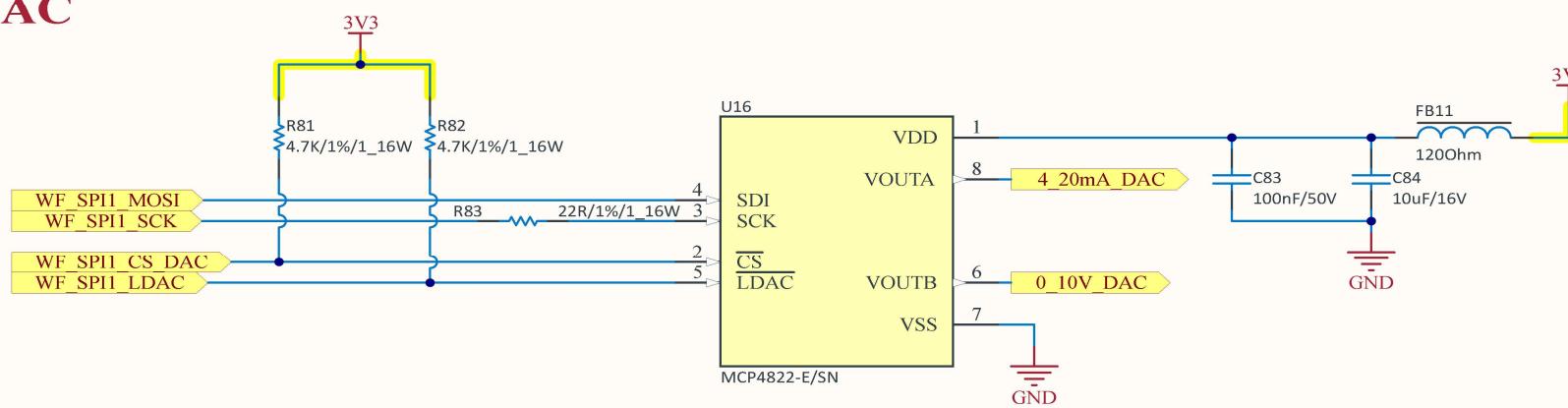


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## EXTERNAL ADC



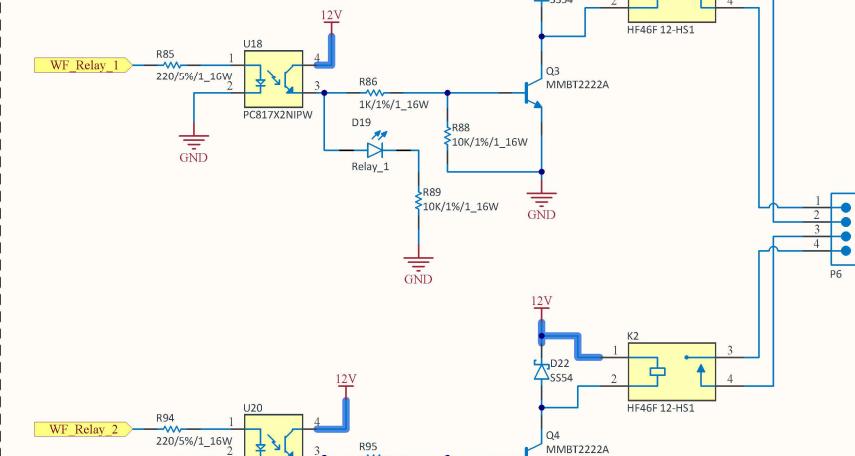
## EXTERNAL DAC



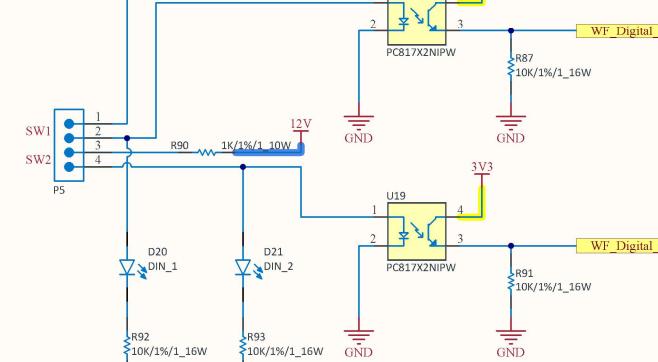
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<b>Date:</b> 2/4/2025		<b>Last Modified:</b> 2/4/2025
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<b>File:</b> DAC_ADC_Exernal.SchDoc		



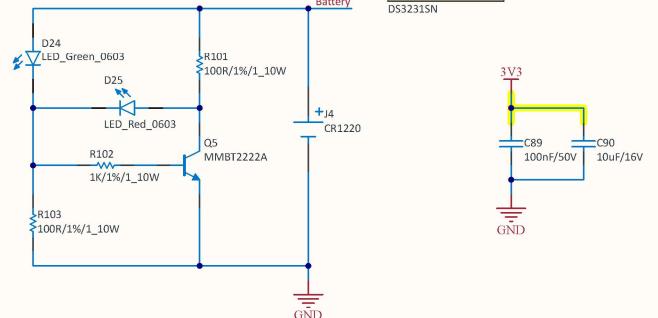
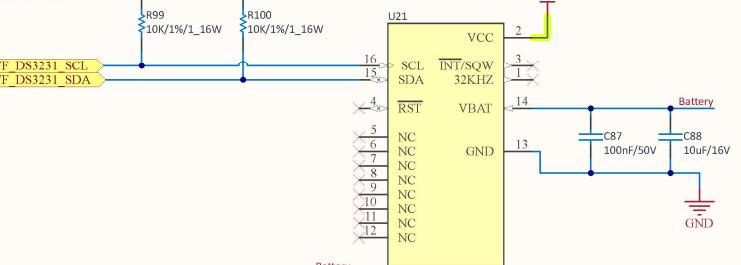
# RELAY



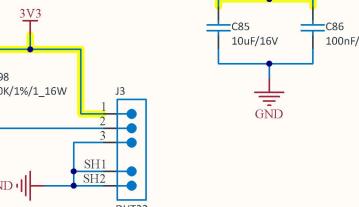
# DIGITAL INPUT



# RTC

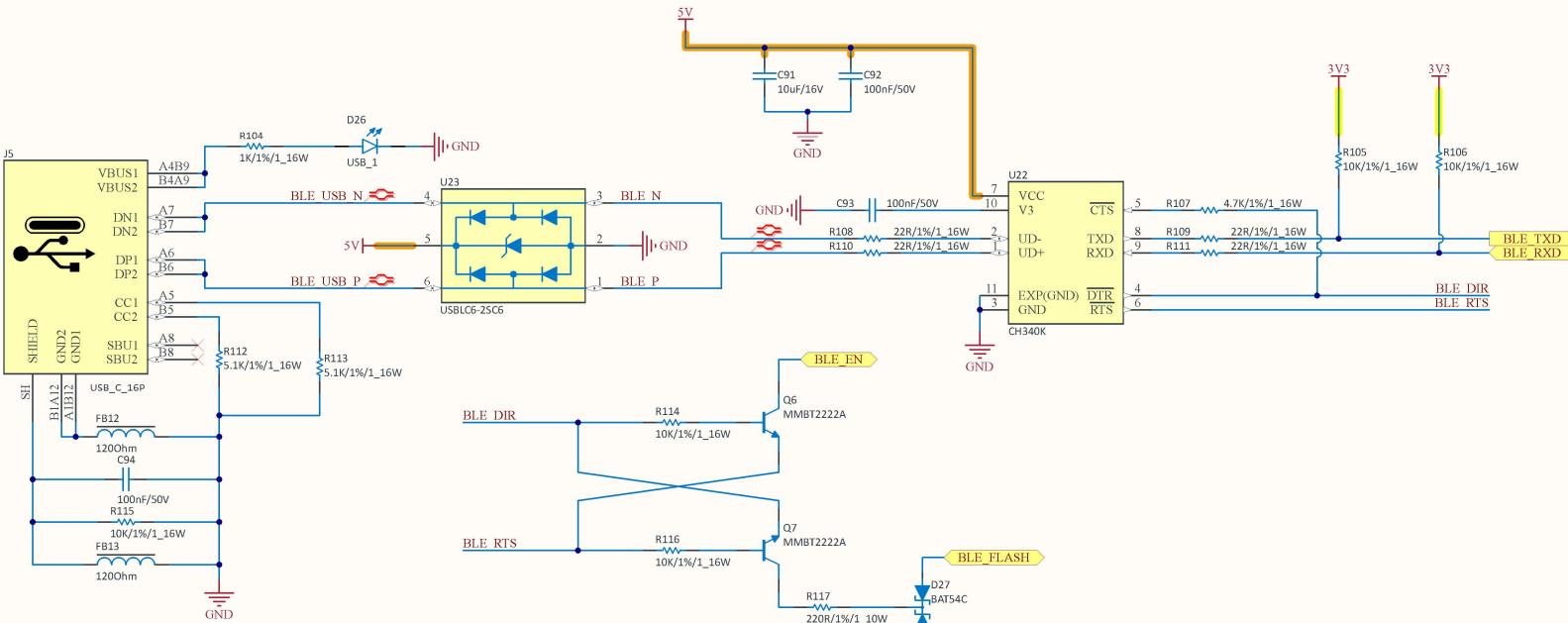


# DHT22



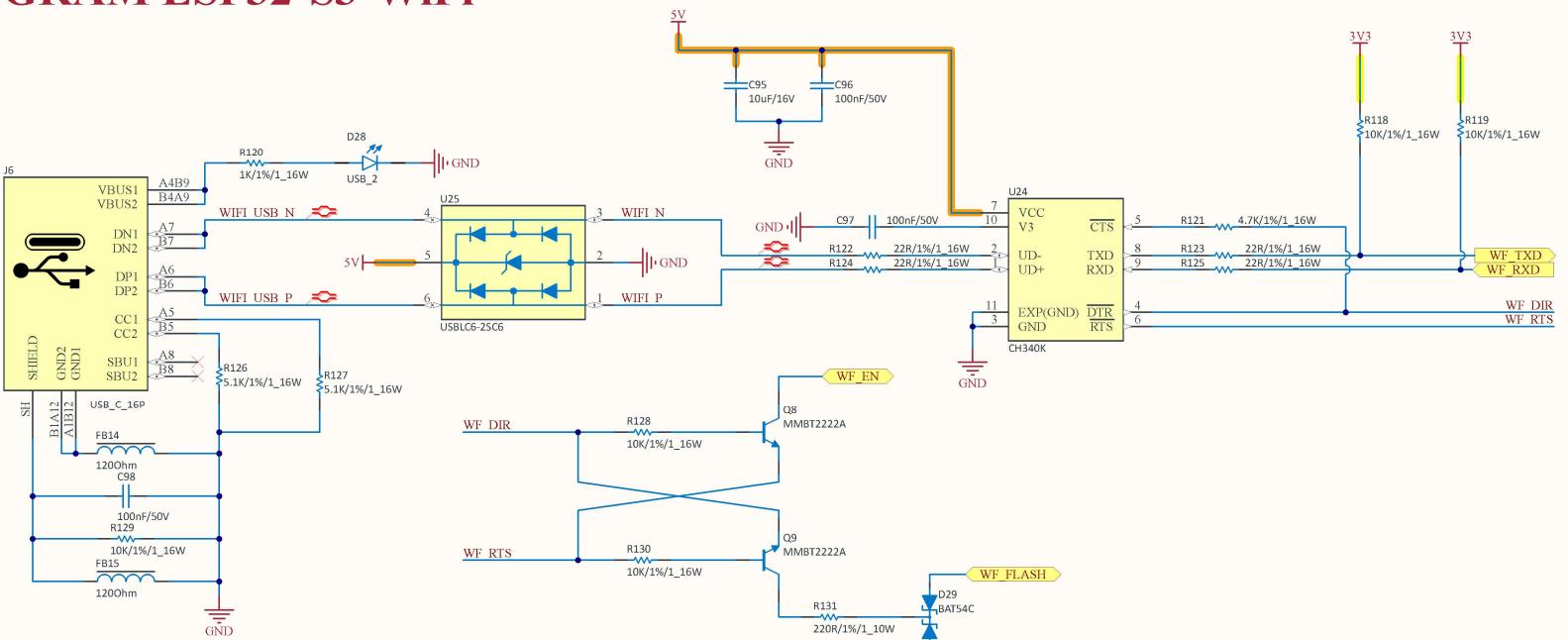
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Checked By: *	
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## PROGRAM ESP32-S3-Bluetooth



Auto Program			
DTR	RTS -> EN	I00	
1	1	1	1
0	0	1	1
1	0	0	1
0	1	1	0

## PROGRAM ESP32-S3-WiFi



Project Name		
<b>BluetoothGateway</b>		
 		
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<b>A3</b>	V1.0.0	.
Date: *	Last Modified: 2/4/2025	
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