

A

A

Overall Project Block Diagram

B

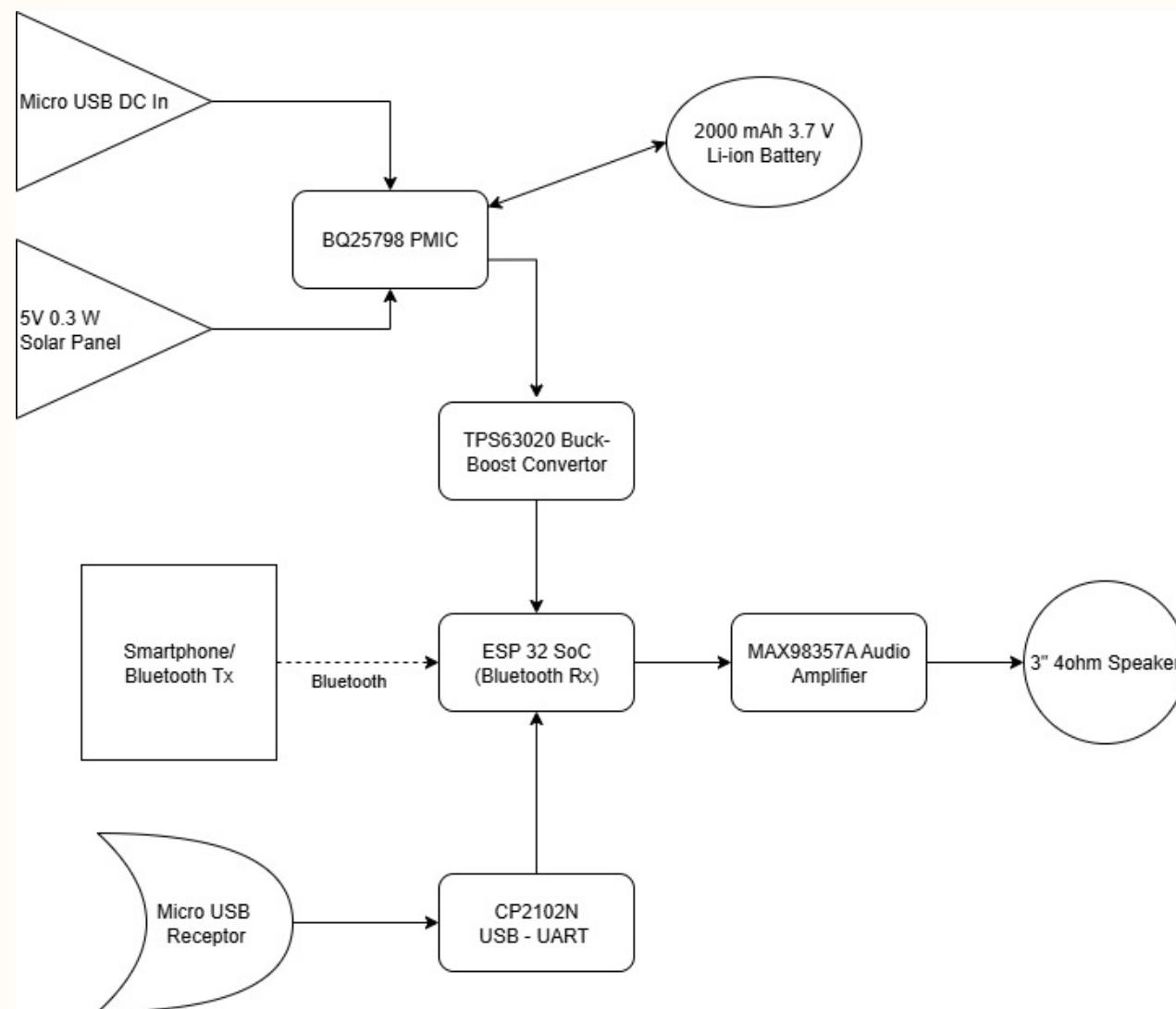
B

C

C

D

D



Title

Project Block Diagram

Size

A

Number

Revision

Date: 11/04/2025

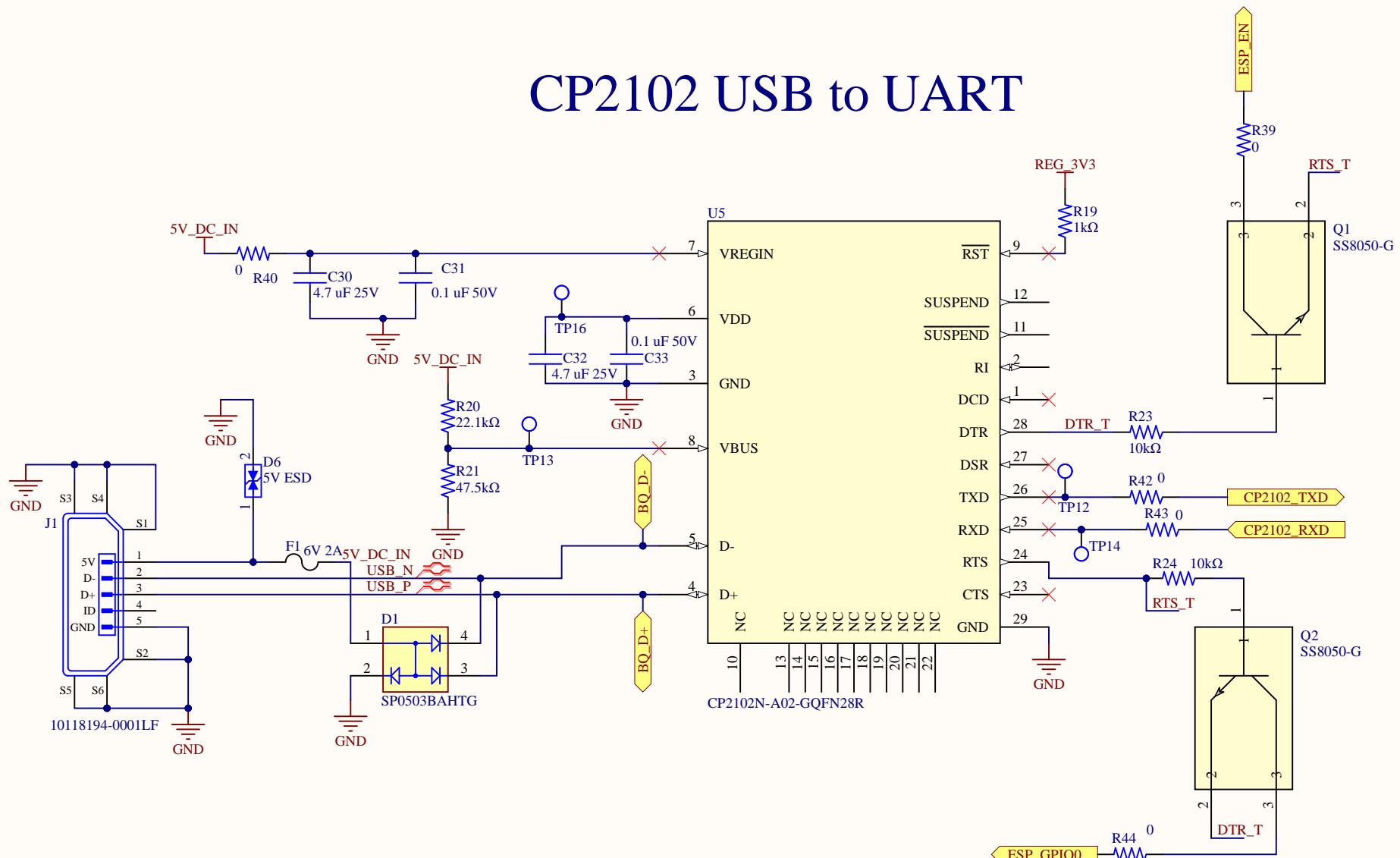
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1/7

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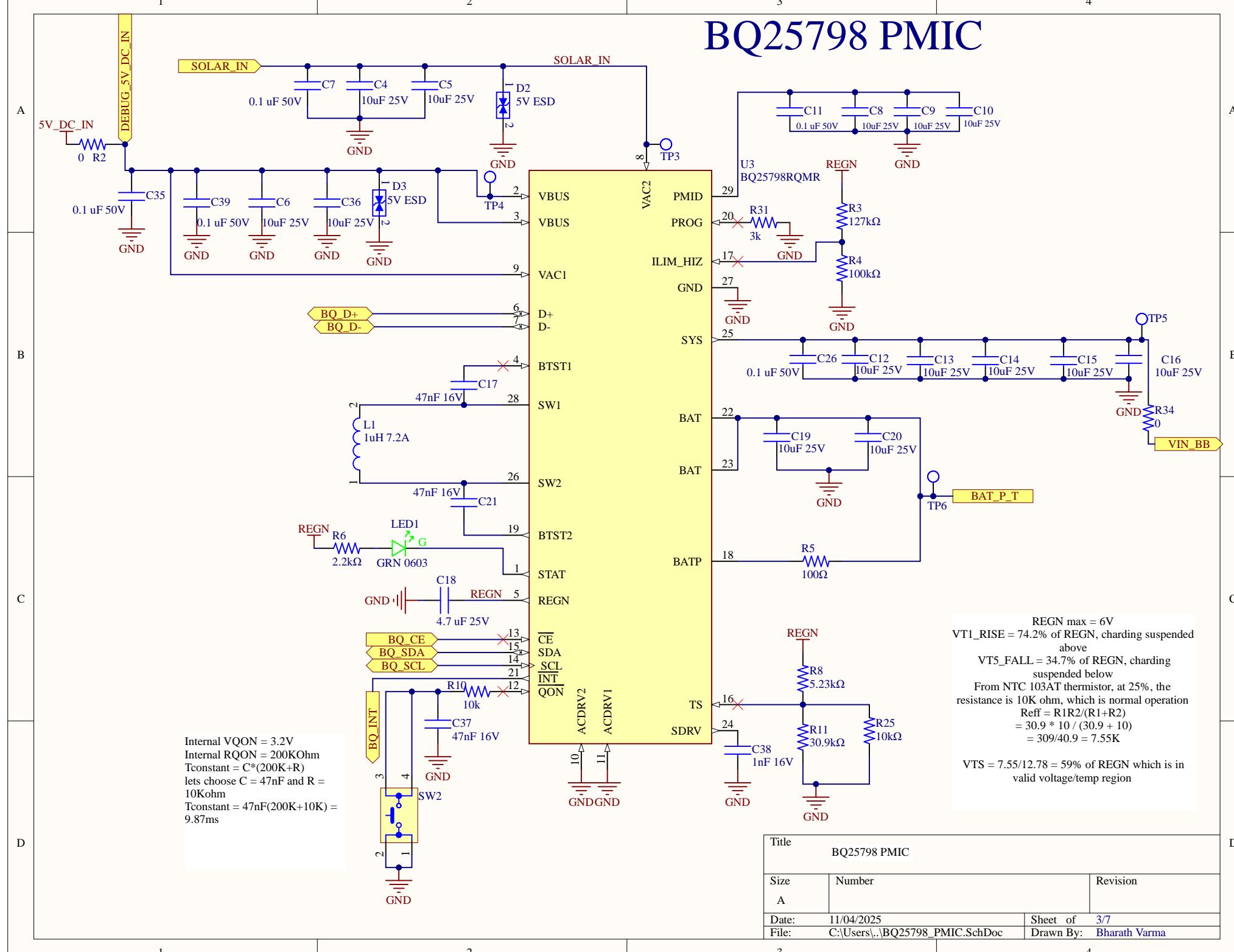
Drawn By: Abhirath Koushik

CP2102 USB to UART

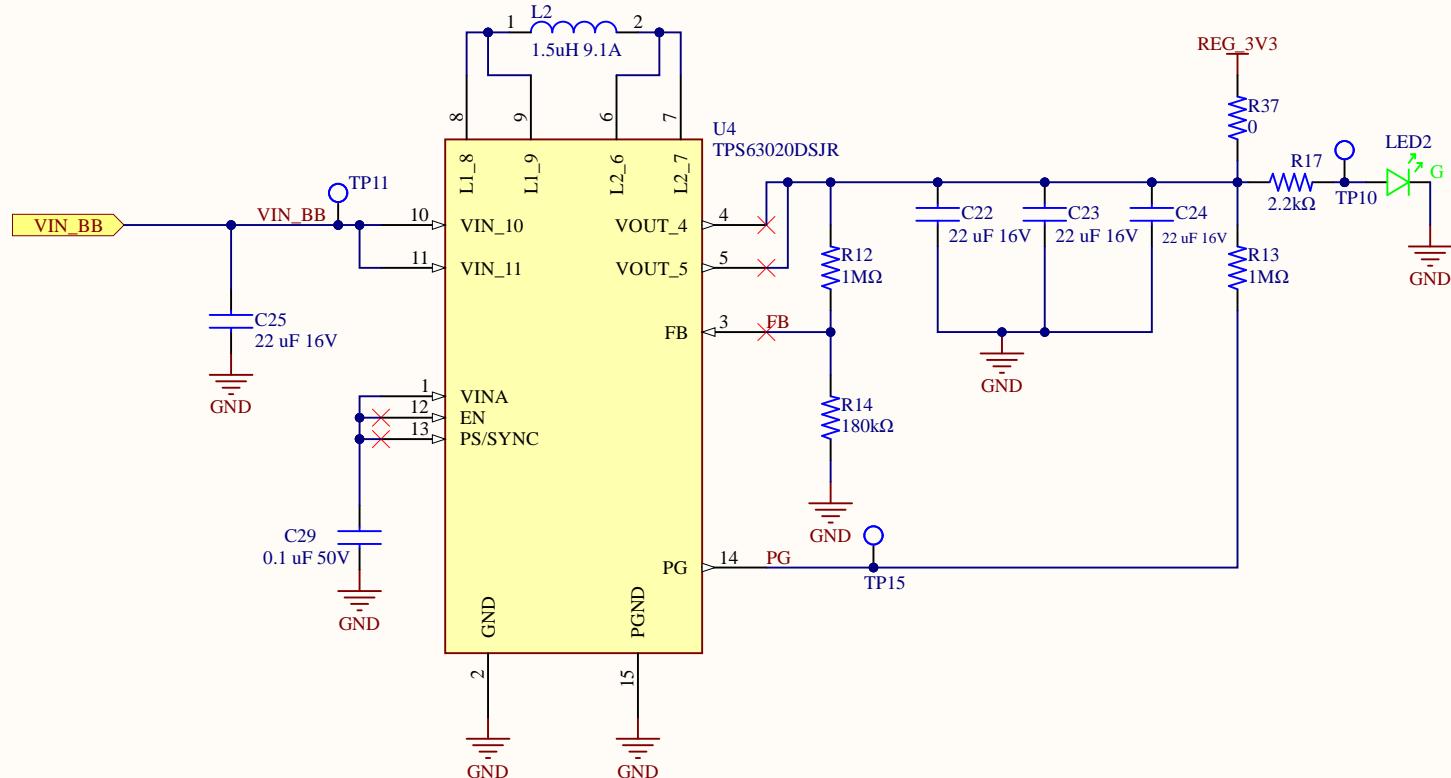


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Size A	Number	Revision
Date:	11/04/2025	Sheet of 2/7
File:	C:\Users\...\CP2102 USB UART.SchDoc	Drawn By: Abhirath Koushik

BQ25798 PMIC



TPS63020 Buck-Boost Convertor

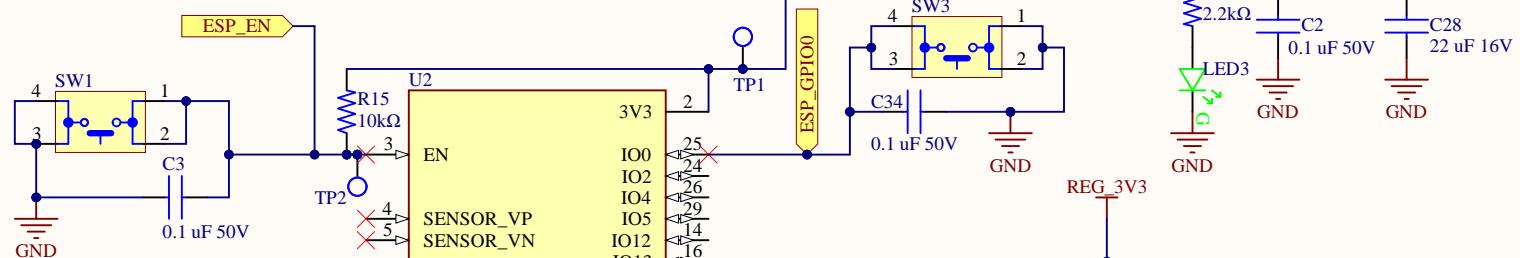


Title TPS63020 Buck-Boost Convertor		
Size A	Number	Revision
Date:	11/04/2025	Sheet of 4/7
File:	C:\Users\..\TPS_BUCK_BOOST.SchDoc	Drawn By: Bharath Varma

ESP_SoC

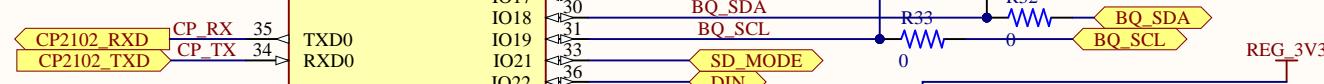
A

A



B

B



C

C

ESP32-WROOM-32E-N4

GND

D

D

Title
ESP_SoC

Size	Number	Revision
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Date: 11/04/2025	Sheet of 5/7	Drawn By: Abhirath Koushik
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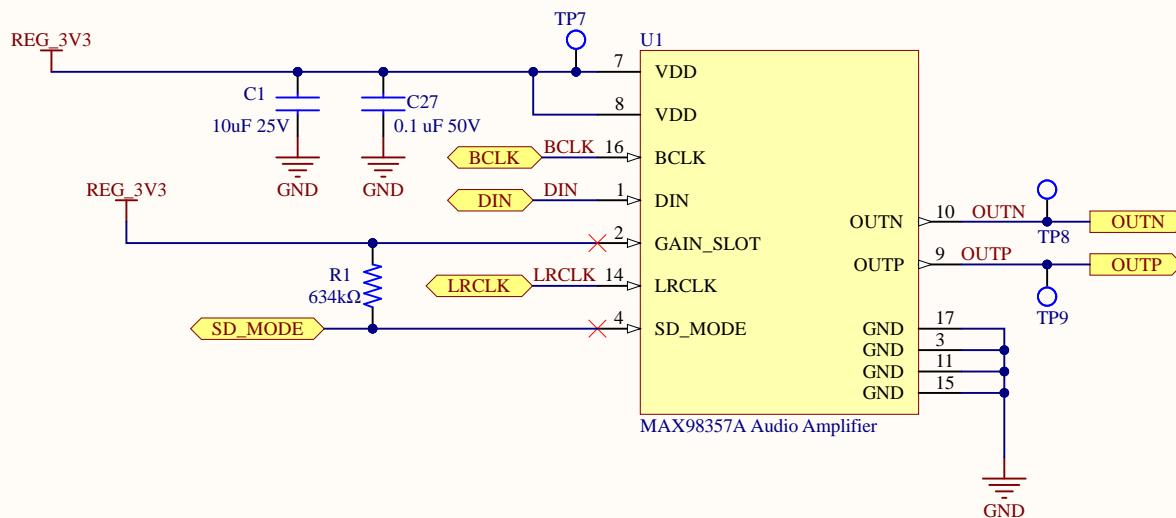
A

A

MAX9857A Audio Amplifier

B

B



C

C

D

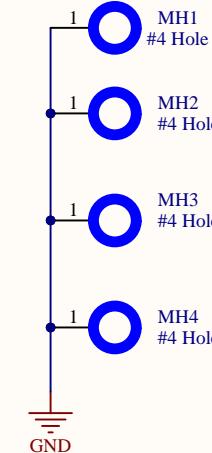
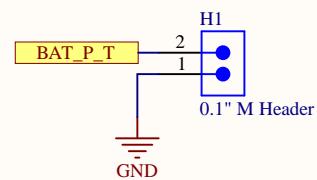
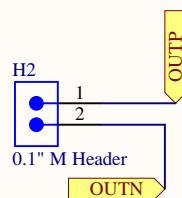
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Title		
MAX9857A Audio Amplifier		
Size	Number	Revision
A		
Date:	11/04/2025	Sheet of 6/7
File:	C:\Users\.\MAX9857A_audio_amp.SchD	Drawn By: Abhirath Koushik

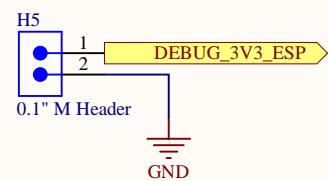
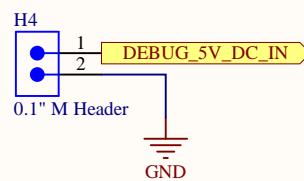
A

Mechanical

B



C



D

Title

Mechanical

Size

A

Number

Revision

Date: 11/04/2025

Sheet of 7/7

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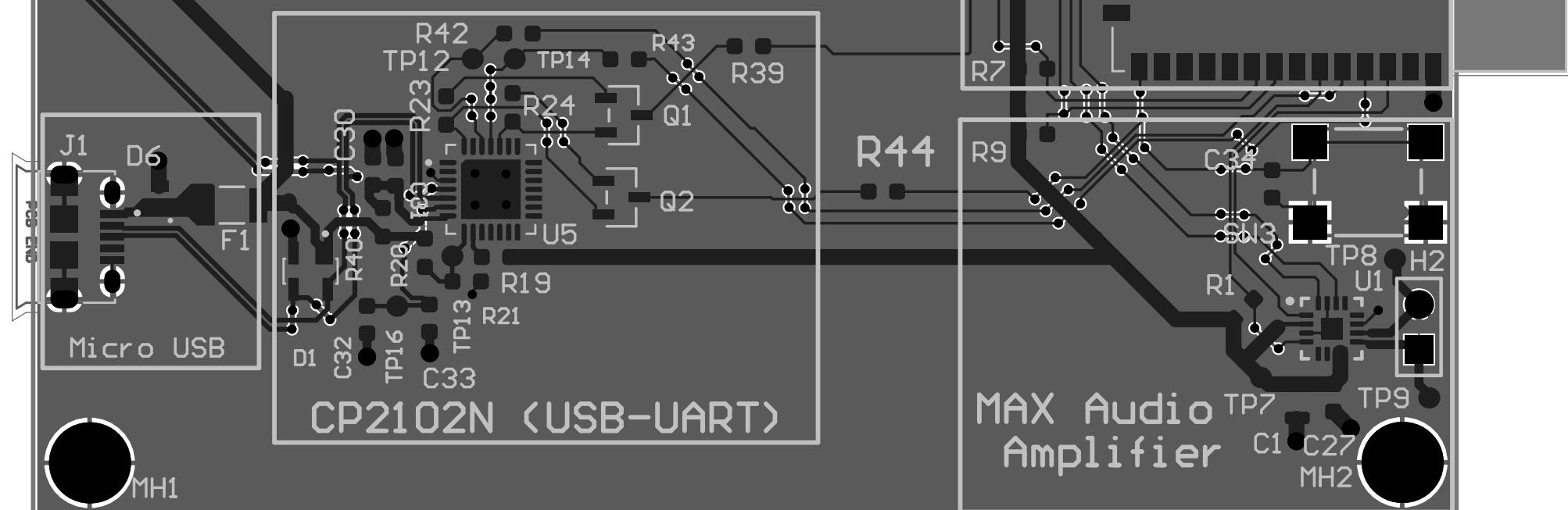
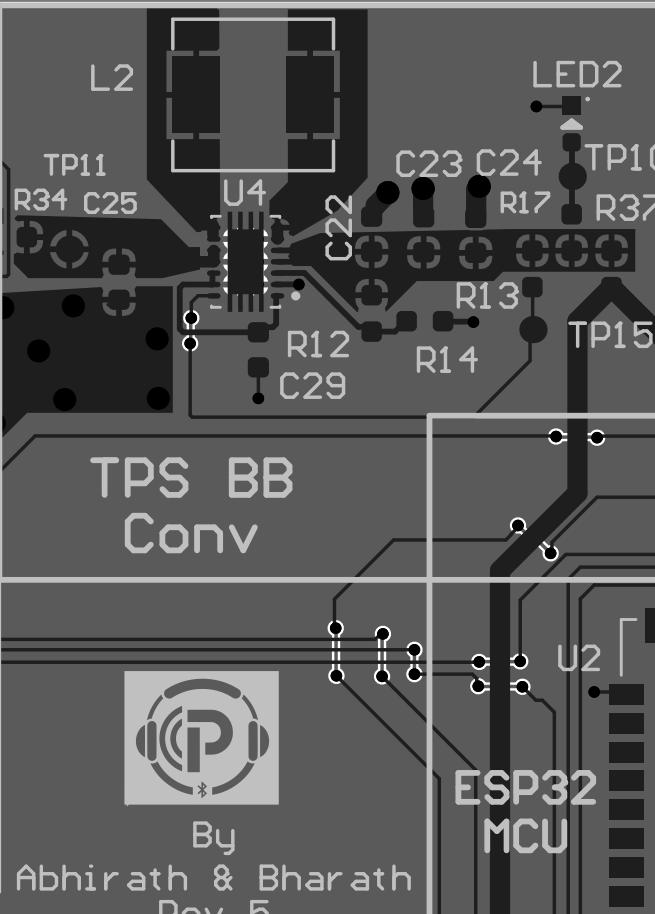
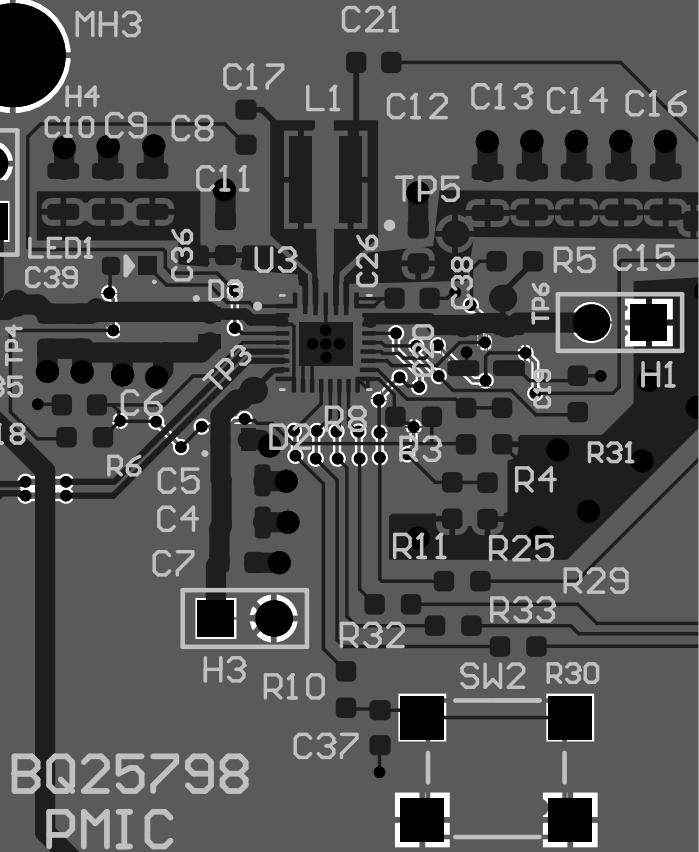
Drawn By: Bharath Varma

A

B

C

D



Board Stack Report