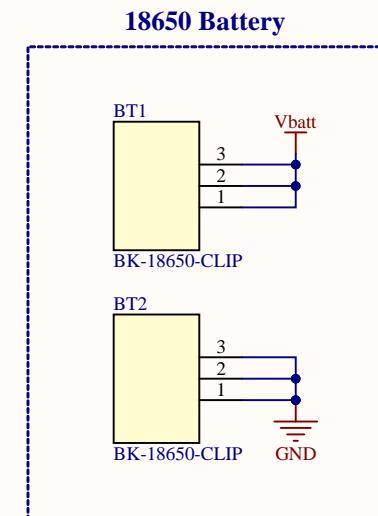
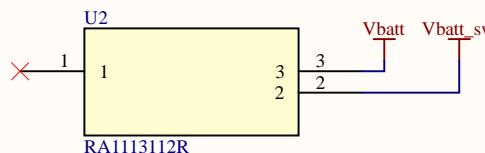


For best thermal performance, add vias from land area of EP to copper layer on opposite side of PCB

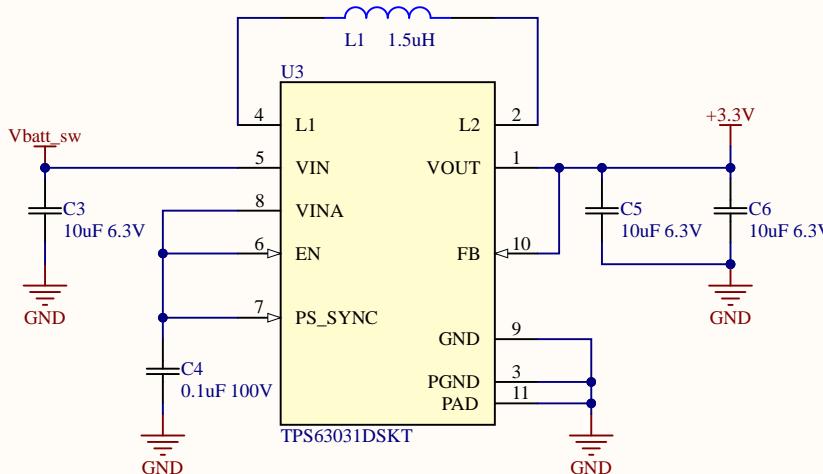


BT1 and BT2 will need to be placed inline, 2560 mils apart + tolerance

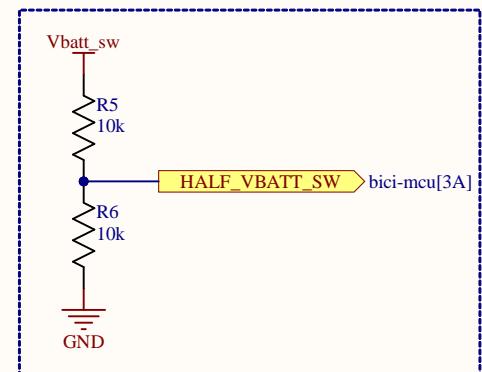
Power Switch



Buck-Boost



Low Power Detection



Title	Bici: Power Management Circuitry related to system power and charging.	
Size		Revision
A		Rev. A1
Date:	11/12/2025	Sheet1 of 5
File:	C:\Users\bici-power\SchDoc	Drawn By: Team Bici

A

A

B

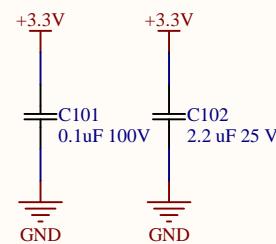
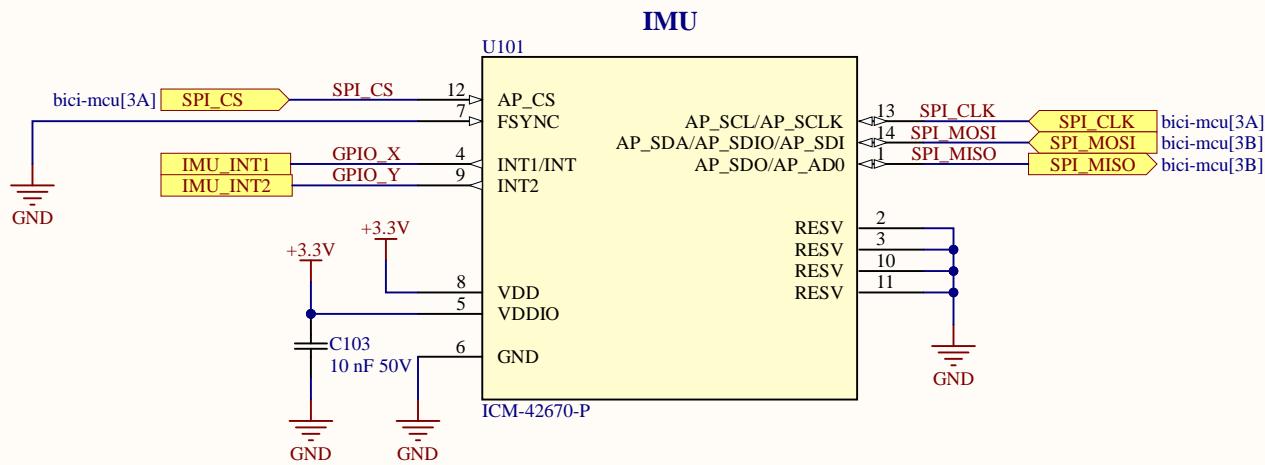
B

C

C

D

D



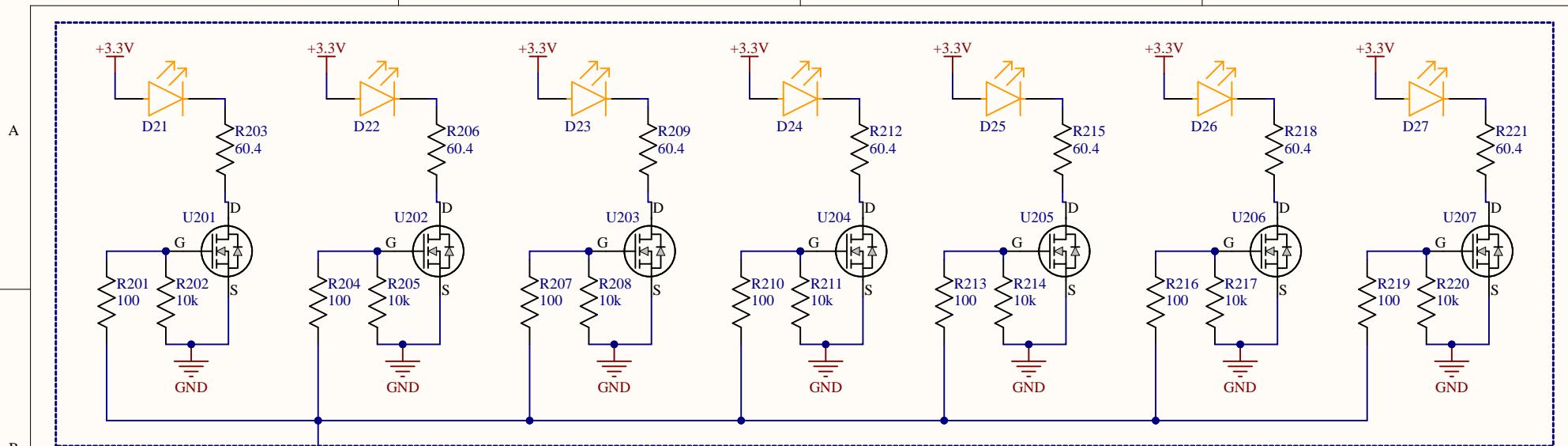
Title Bici: IMU Circuitry related IMU.		
Size A	Number	Revision Rev. A1
Date: 11/12/2025		Sheet 2 of 5
File: C:\Users\.\bici-imu.SchDoc	Drawn By:	Team Bici

1

2

3

4



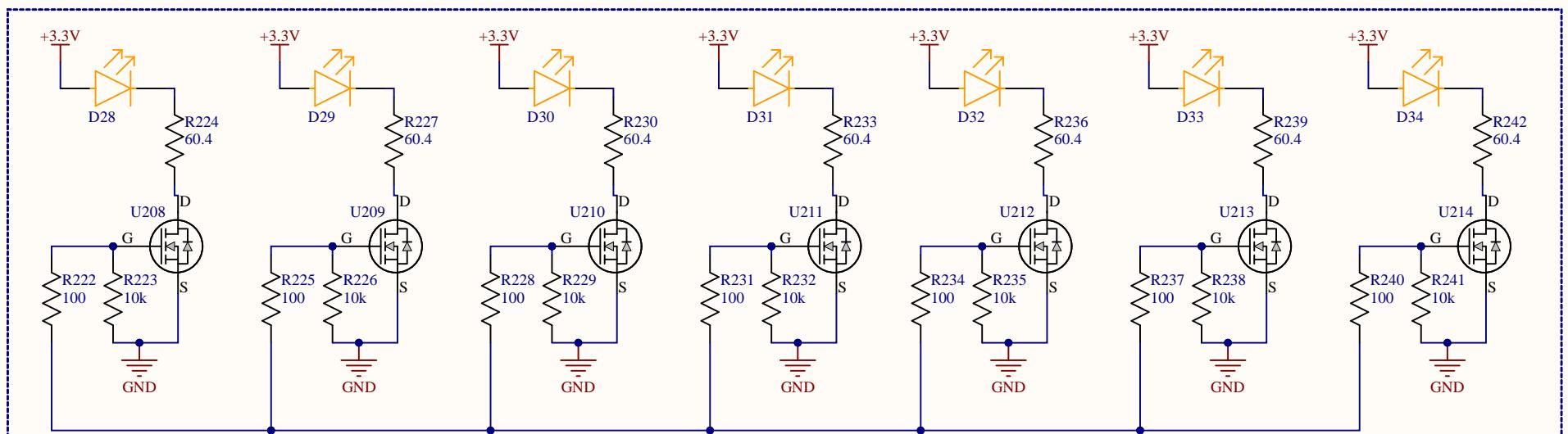
bici-mcu[3B] Left-Lights-PWM

1

2

3

4



bici-mcu[3B] Right-Lights-PWM

Title **Bici: Turn Signal Lights**
Circuitry related to light feedback to user and surrounding cars.

Size	Number	Revision
A		Rev. A1
Date:	11/12/2025	Sheet 3 of 5
File:	C:\Users\...\bici-turn-lights.SchDoc	Drawn By: Team Bici

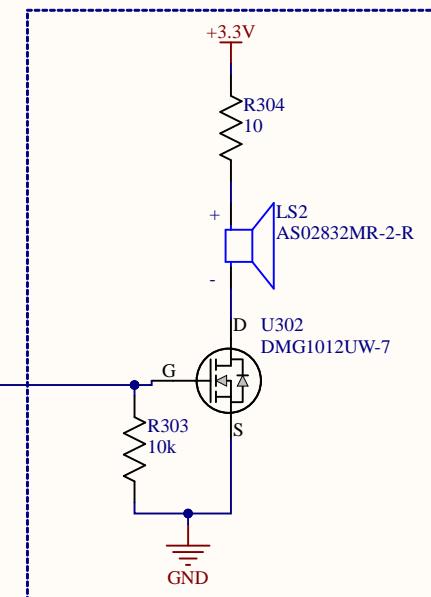
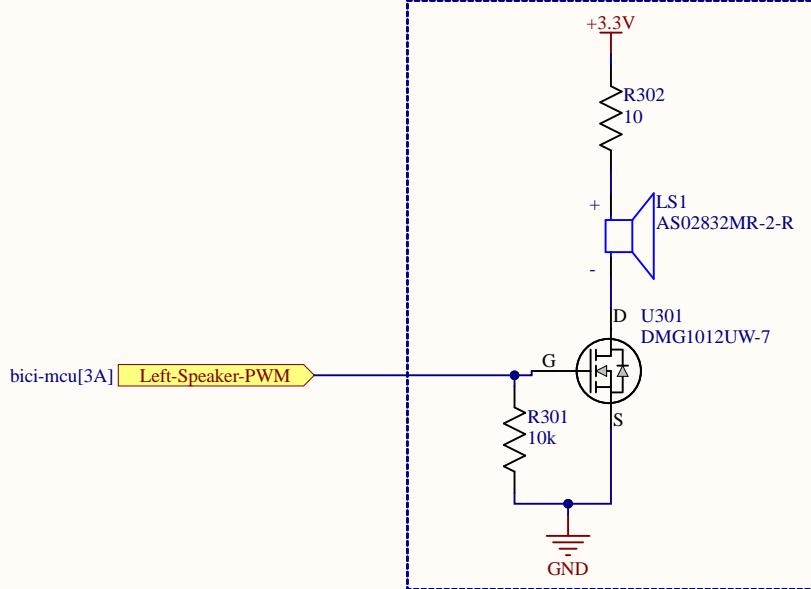
1

2

3

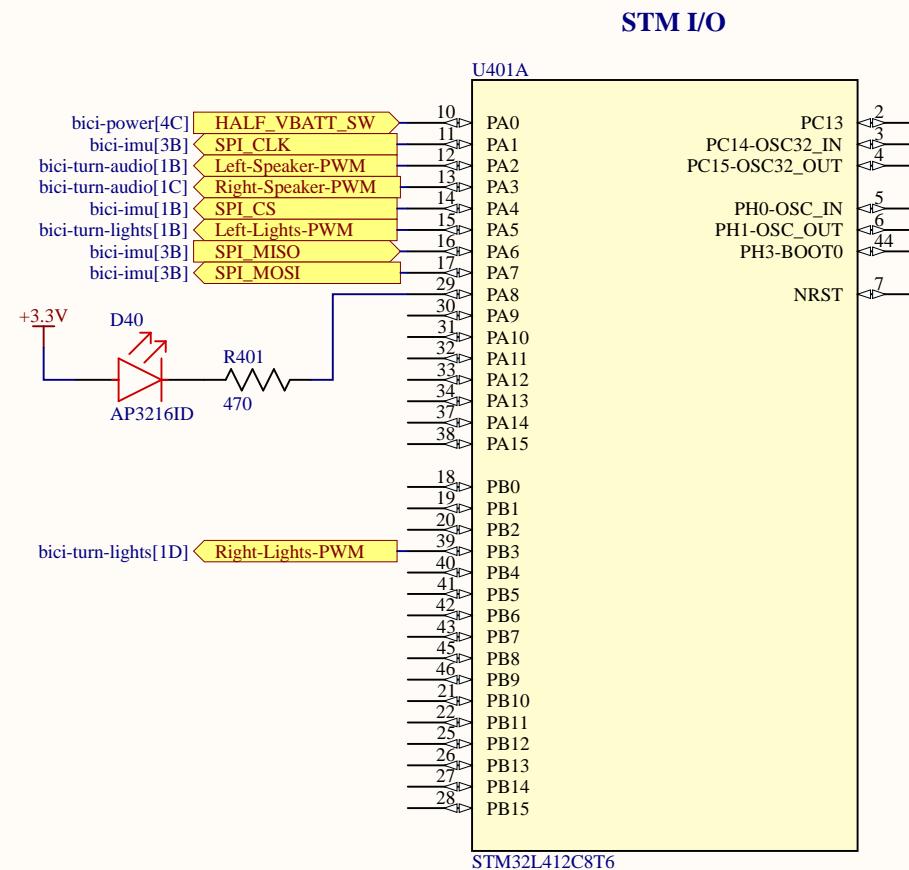
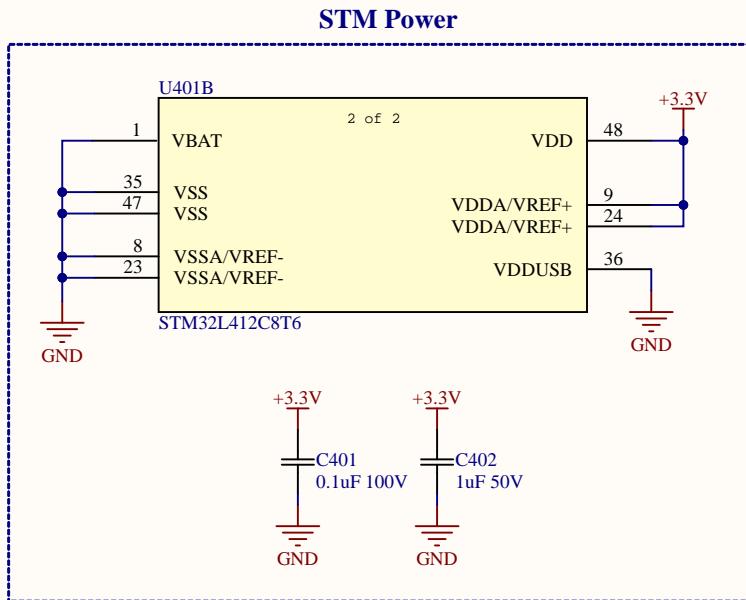
4

Left Indicator Audio Feedback Circuit

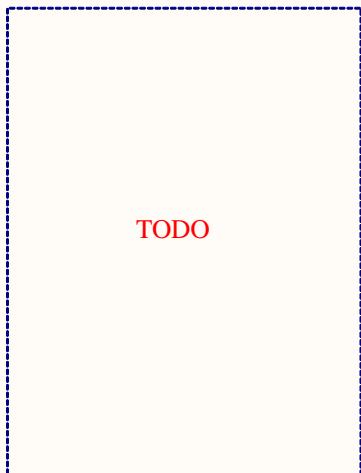


Right Indicator Audio Feedback Circuit

Title Bici: Turn Signal Audio Circuitry related to audio feedback to user.		
Size A	Number	Revision Rev. A1
Date: 11/12/2025		Sheet 4 of 5
File: C:\Users\.\bici-turn-audio.SchDoc	Drawn By:	Team Bici



Programming/Debugging Connector



U401A:

- PA0 is ADC in (for low battery detection)
- PA8 is active-low output for low battery light
- PA2 and PA3 are associated with TIM15 for PWM

Title Bici: MCU Circuitry related to embedded MCU.		
Size A	Number	Revision Rev. A1
Date: 11/12/2025		Sheet 5 of 5
File: C:\Users\.\bici-mcu.SchDoc	Drawn By: Team Bici	