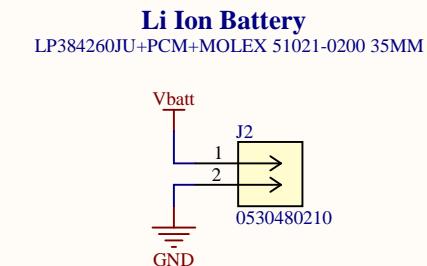
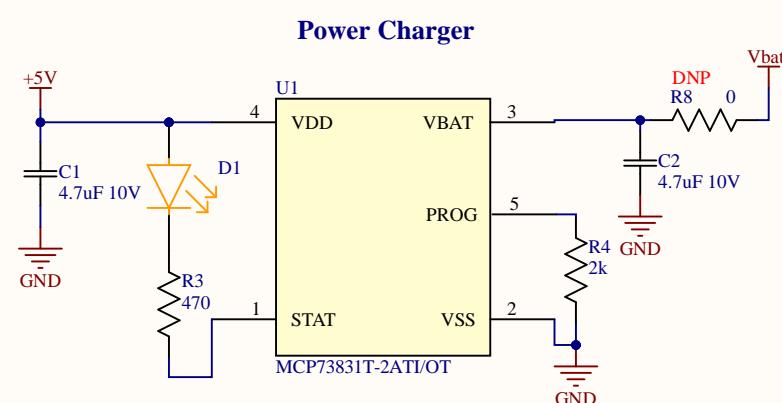
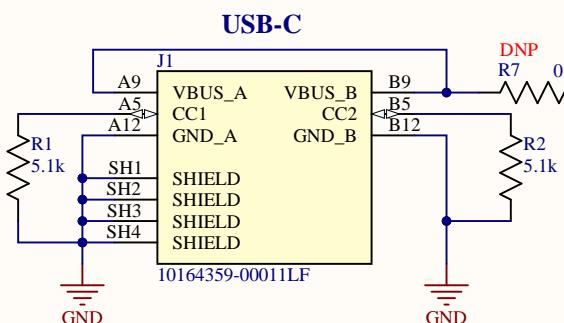


A



B

A

C

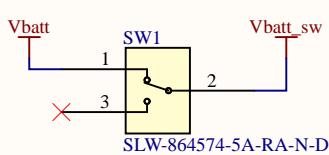
B

D

C

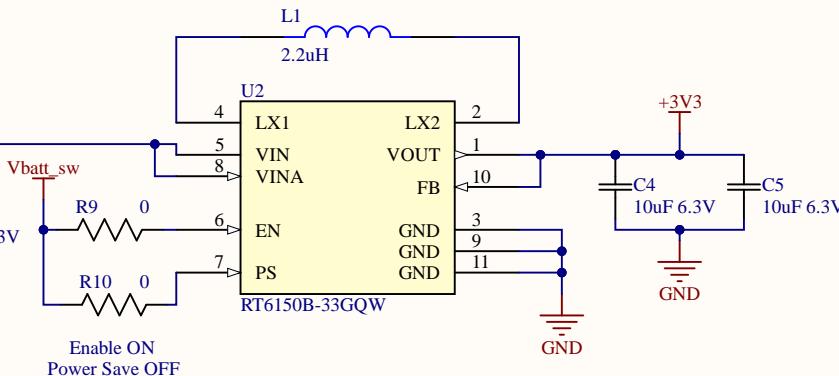
D

### Power Switch

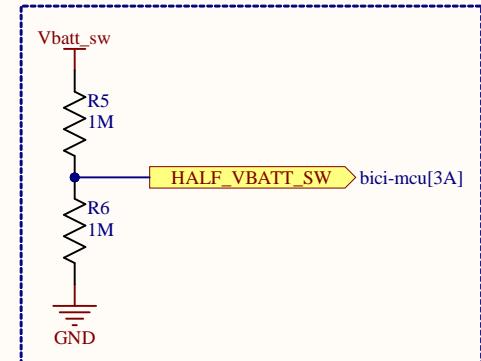


Switch in L position: ON  
Switch in R position: OFF

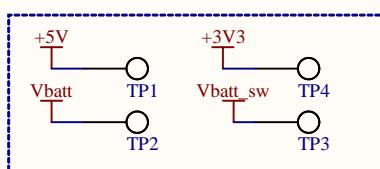
### Buck-Boost



### Low Power Detection



### Test Points



Title **Bici: Power Management**

Circuitry related to system power and charging.

Revision **V2**

Date: **11/20/2025**

Sheet**1** of **5**

File: **C:\Users\.\bici-power.SchDoc**

Drawn By: **Team Bici**

A

A

B

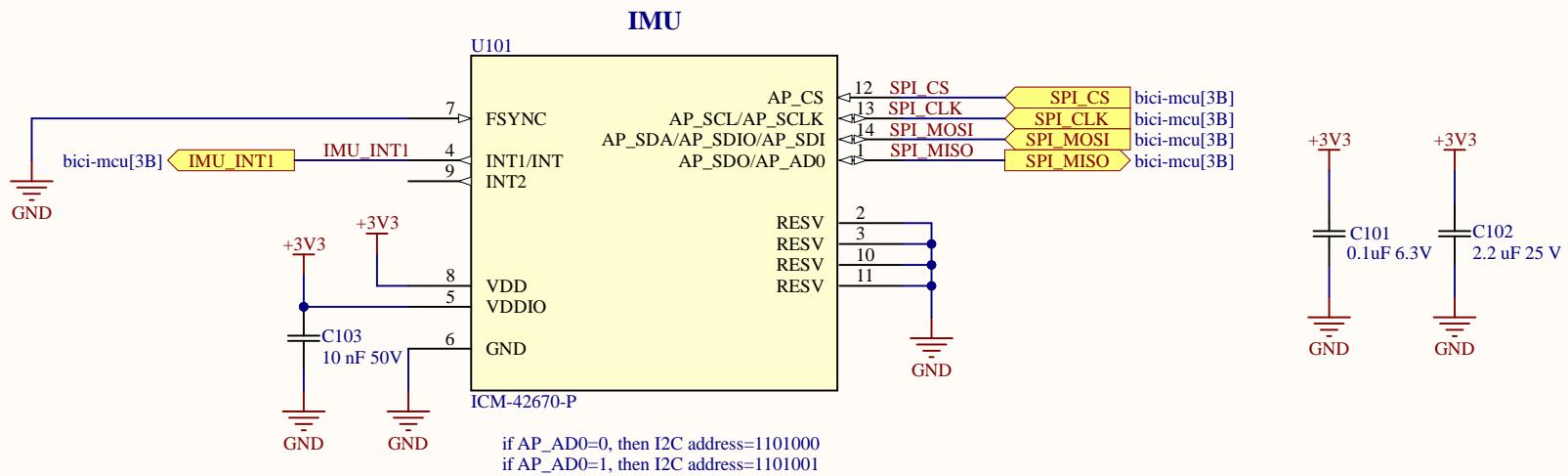
B

C

C

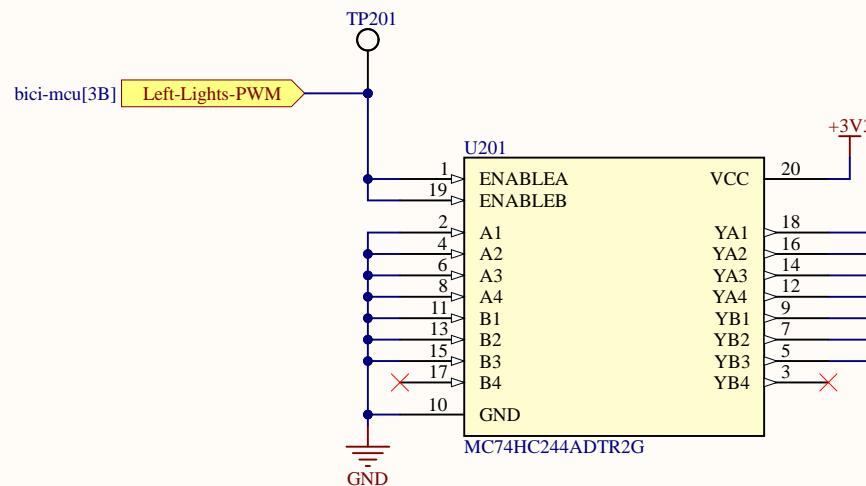
D

D

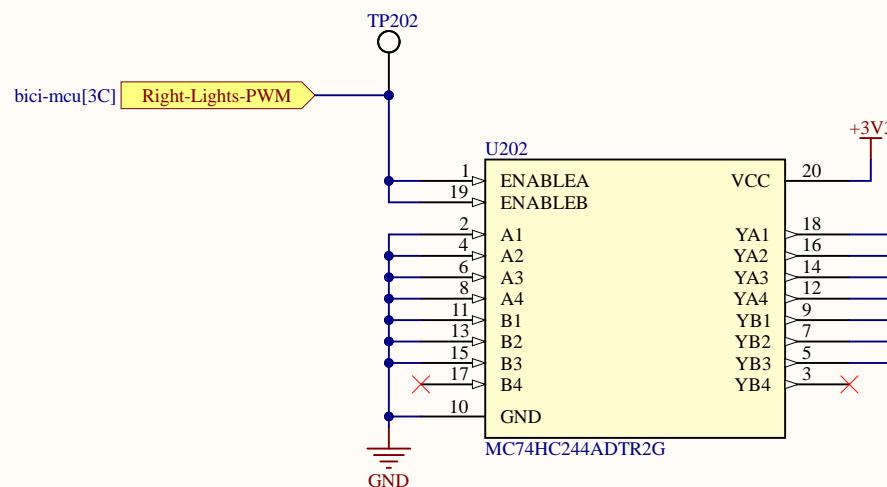


Title <b>Bici: IMU</b> Circuitry related IMU.		
Size A	Number	Revision V2
Date: 11/20/2025	Sheet 2 of 5	
File: C:\Users\.\bici-imu.SchDoc	Drawn By: Team Bici	

A

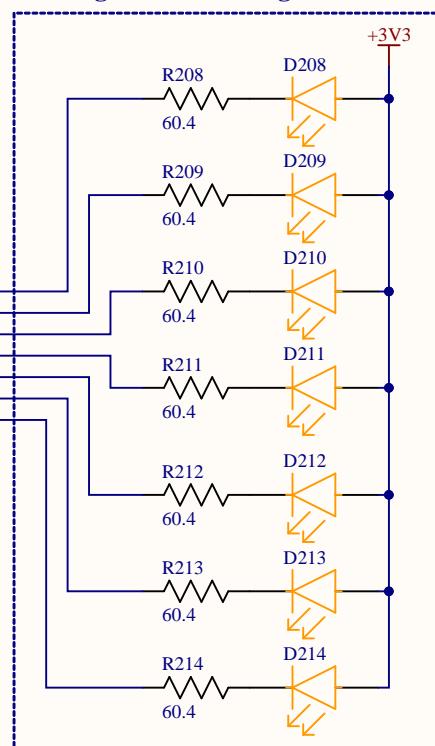


B

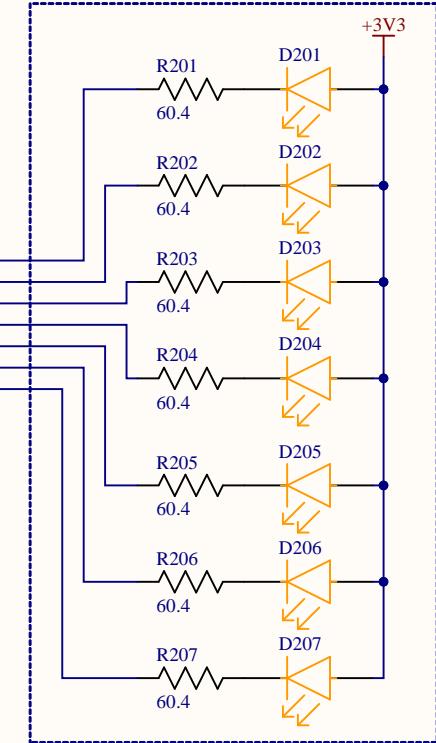


C

Right Indicator Light Circuit



Left Indicator Light Circuit



D

Title

Bici: Turn Signal Lights

Circuitry related to light feedback to user and surrounding cars.

Size  
A

Number

Revision  
V2

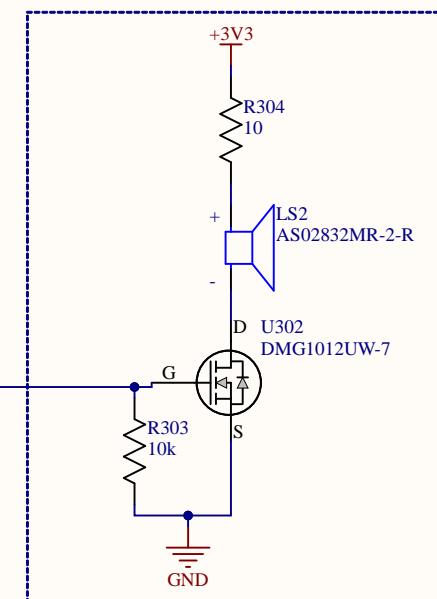
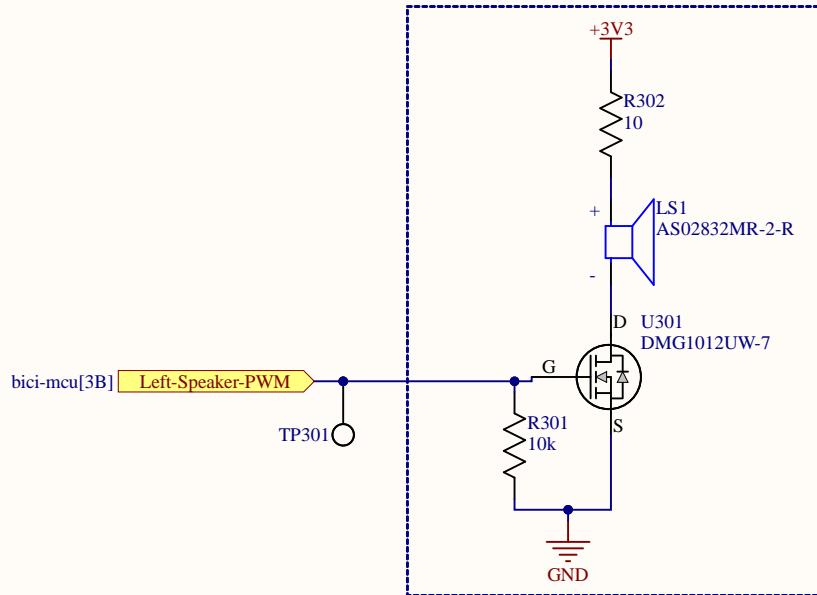
Date: 11/20/2025

Sheet 3 of 5

File: C:\Users\.\bici-turn-lights.SchDoc

Drawn By: Team Bici

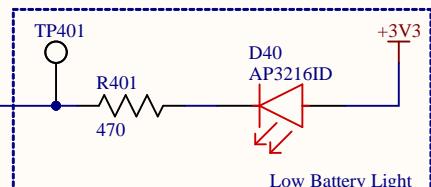
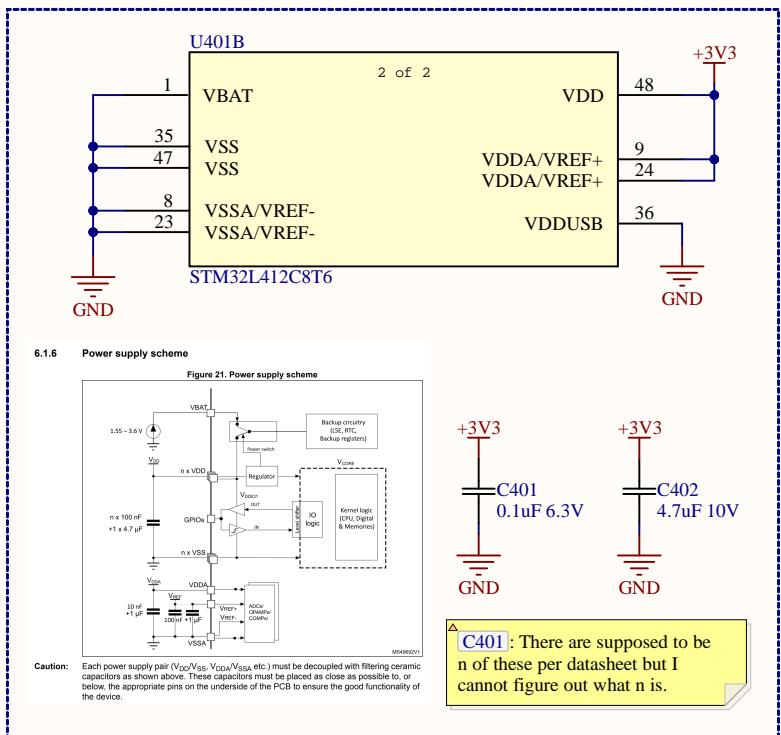
### Left Indicator Audio Feedback Circuit



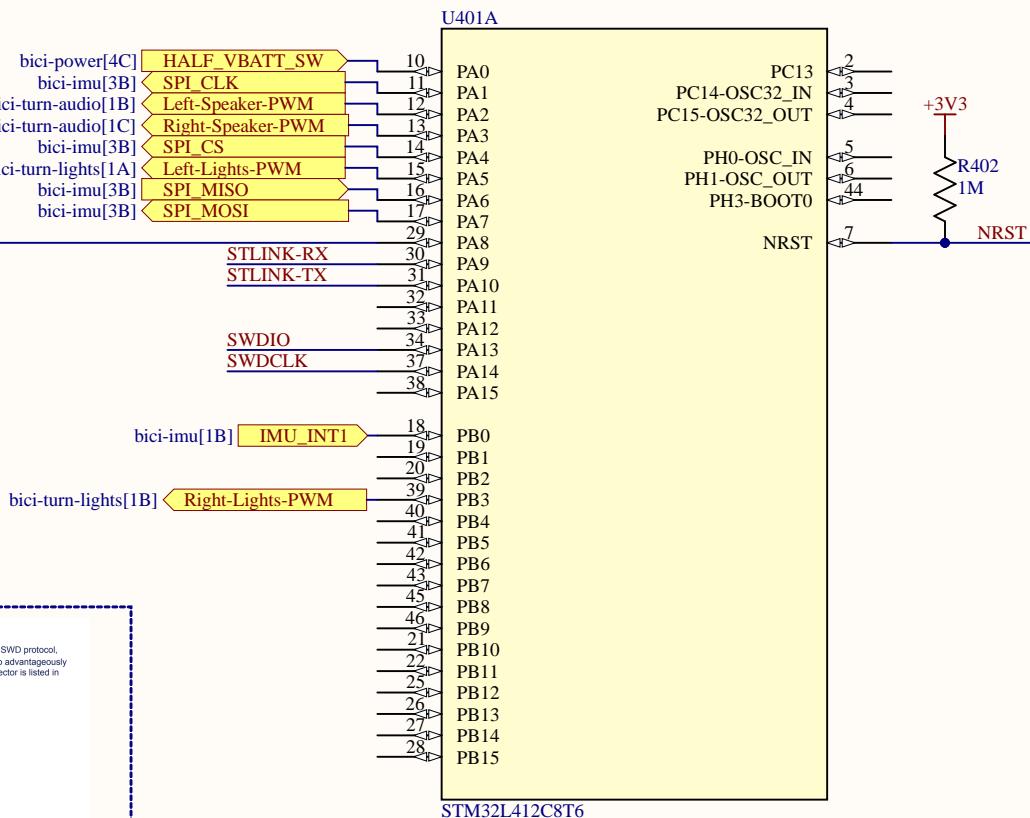
### Right Indicator Audio Feedback Circuit

Title <b>Bici: Turn Signal Audio</b> Circuitry related to audio feedback to user.		
Size <b>A</b>	Number	Revision <b>V2</b>
Date: 11/20/2025		Sheet 4 of 5
File: C:\Users\.\bici-turn-audio.SchDoc	Drawn By:	Team Bici

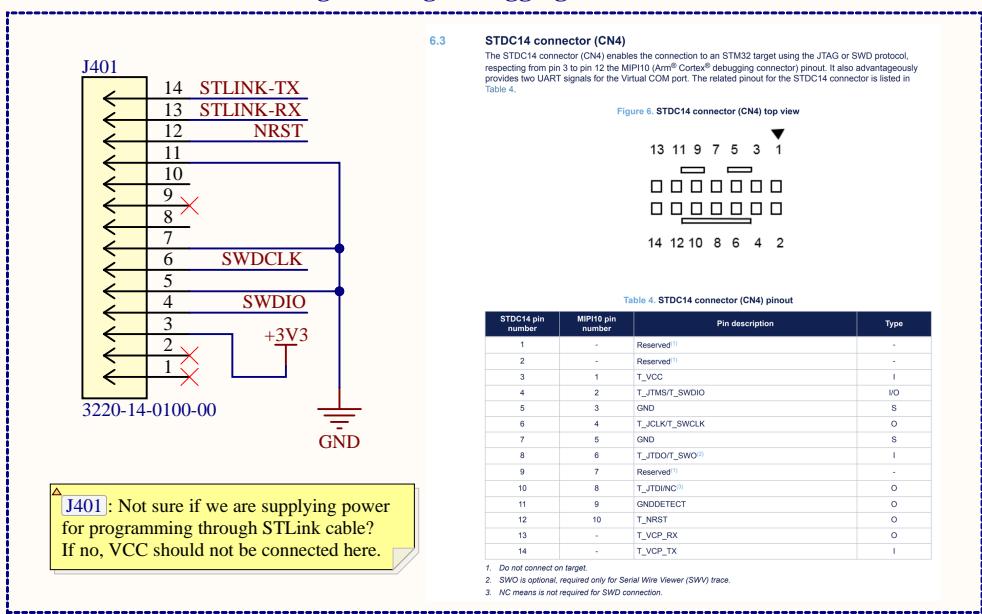
## STM Power



## STM I/O



## Programming/Debugging Connector



**U401A:**

- PA0 is ADC in (for low battery detection)
- PA8 is active-low output to actuate low battery light
- PA2 and PA3 are associated with TIM15 for PWM
- PA5 and PB3 are associated with TIM2 for PWM
- PB0 configured as EXTI0 (external interrupt input) for IMU\_INT1
- PA9 is STM USART1 TX
- PA10 is STM USART1 RX

Title **Bici: MCU**  
Circuitry related to embedded MCU.

Size	Number	Revision
A		V2
Date: 11/20/2025	Sheet 5 of 5	
File: C:\Users\...\bici-mcu.SchDoc	Drawn By: Team Bici	