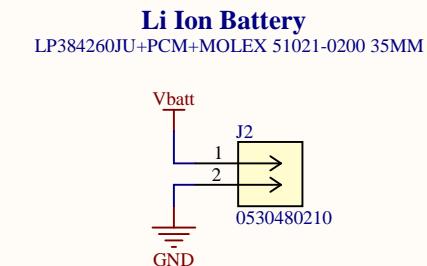
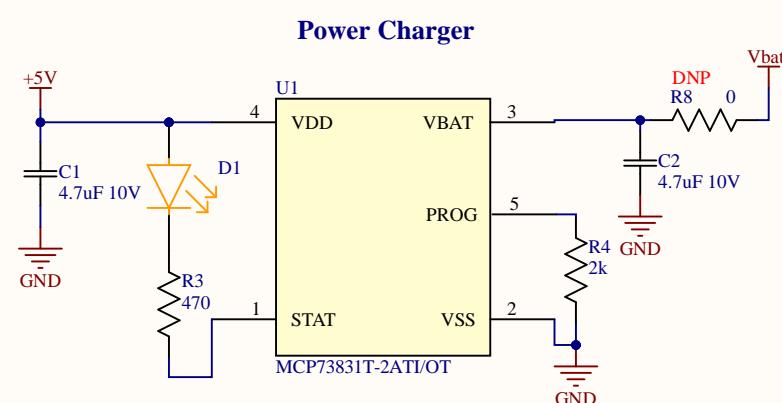
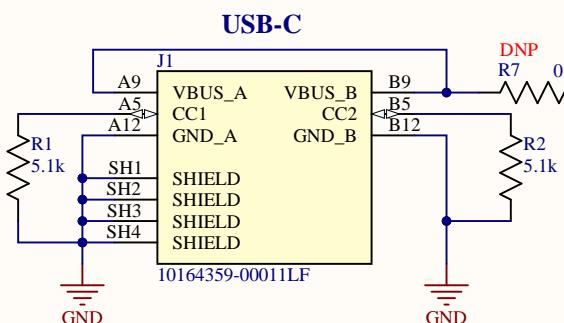
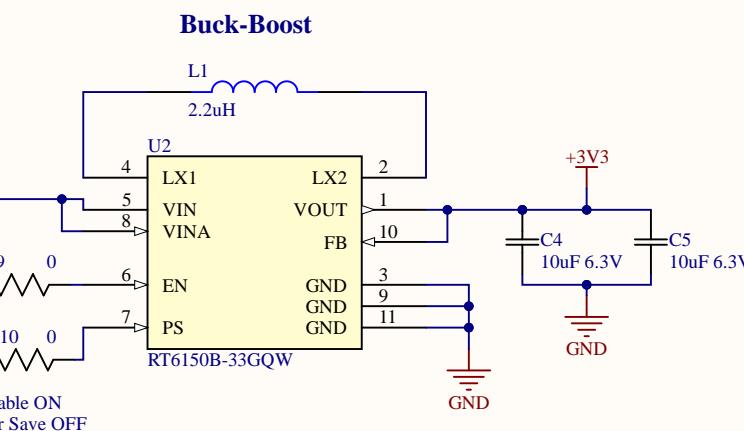
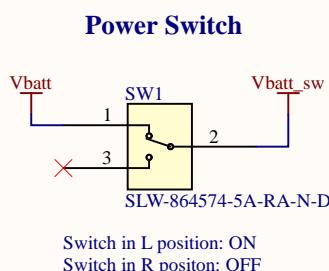


A

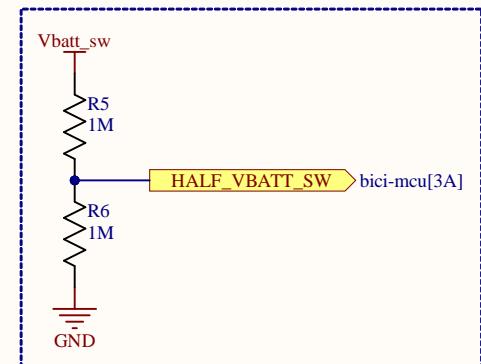


B

A



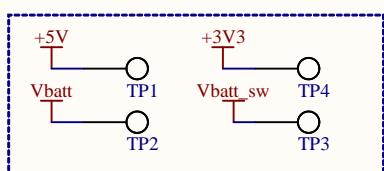
Low Power Detection



D

B

Test Points



Title

Bici: Power Management

Circuitry related to system power and charging.

Revision

V2

Size

Number

Revision

Date:

Sheet 1 of 5

File:

Drawn By: Team Bici

C

D

A

A

B

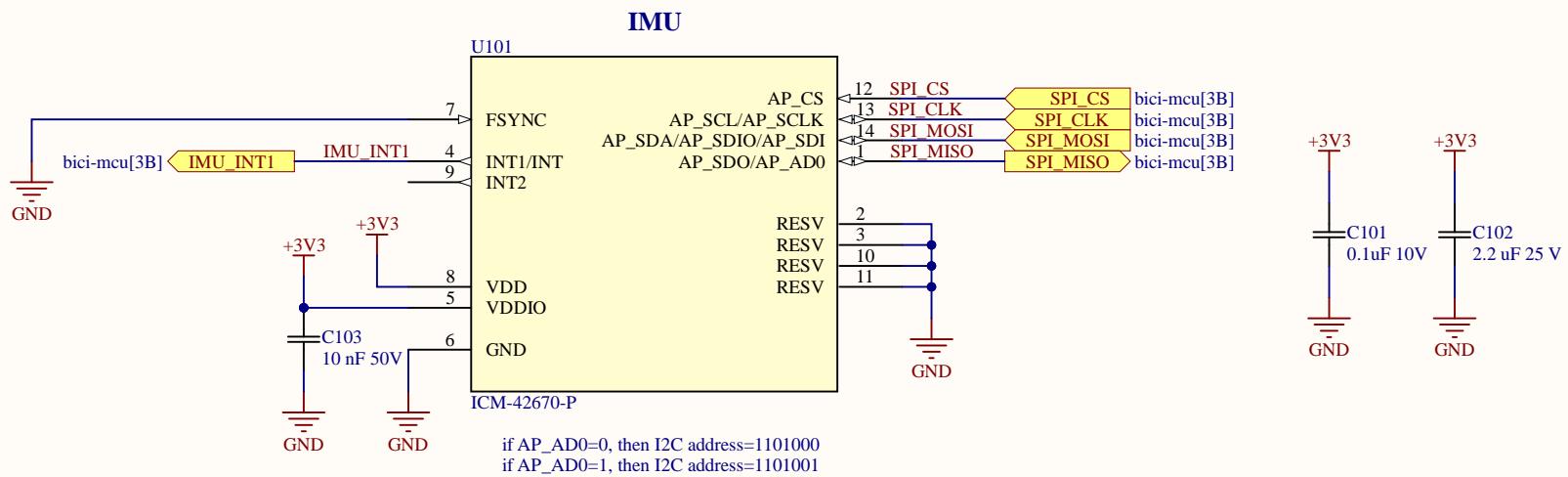
B

C

C

D

D



Test Points

SPI_CS	TP101
SPI_CLK	TP102
SPI_MOSI	TP103
SPI_MISO	TP104
IMU_INT1	TP105

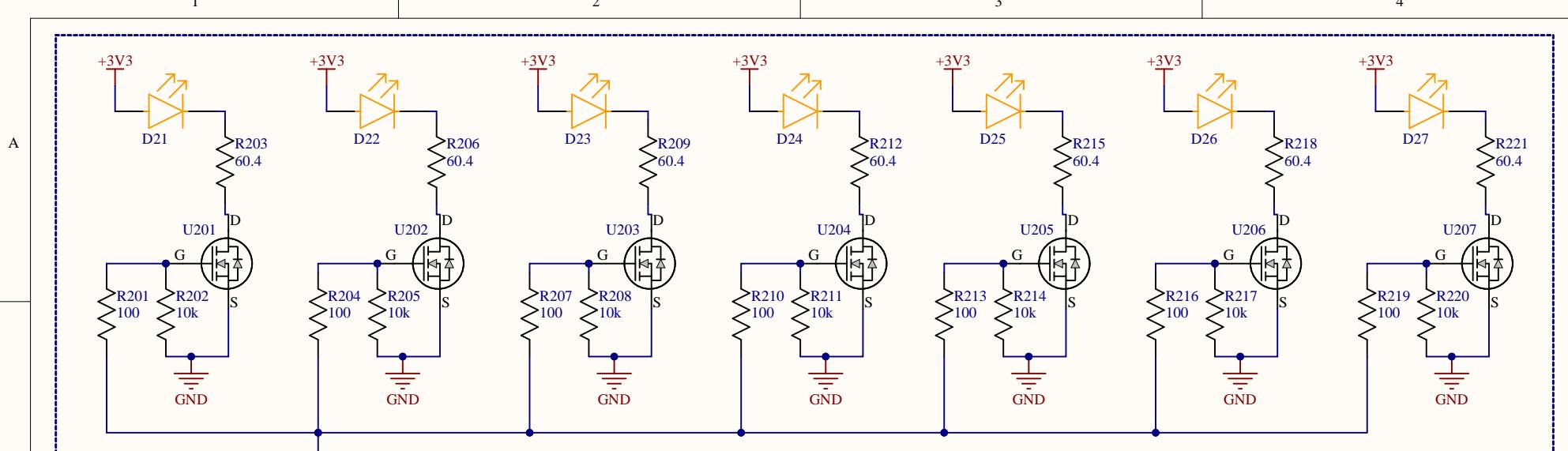
Title Bici: IMU Circuitry related IMU.		
Size A	Number	Revision V2
Date: 11/20/2025	Sheet 2 of 5	
File: C:\Users\.\bici-imu.SchDoc	Drawn By: Team Bici	

1

2

3

4



Left Indicator Light Circuit

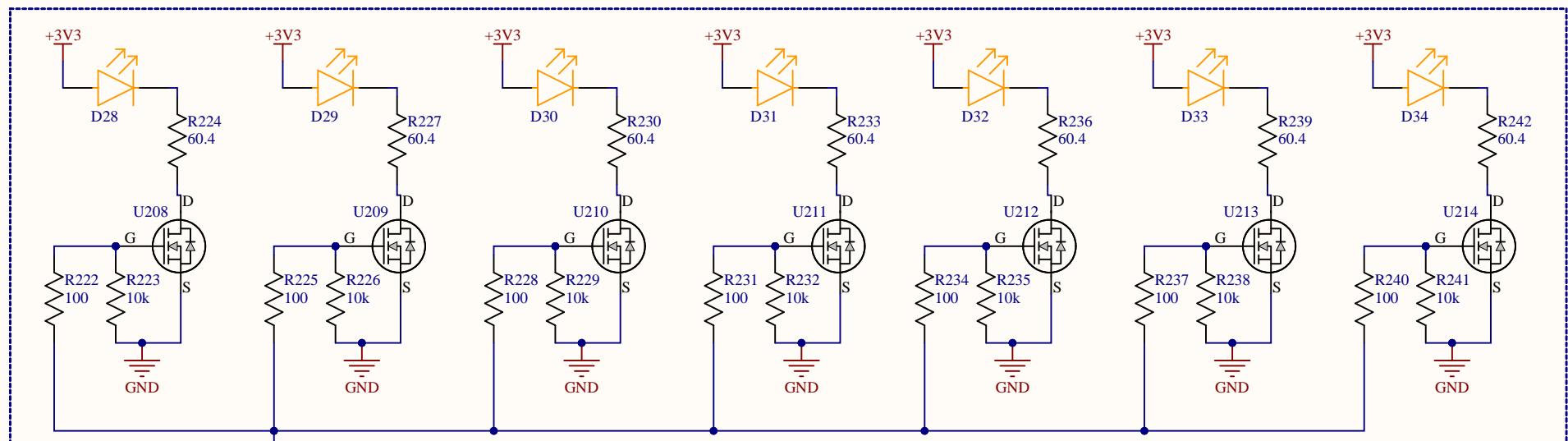
bici-mcu[3B] **Left-Lights-PWM** — TP201

C

2

3

4



Right Indicator Light Circuit

bici-mcu[3C] **Right-Lights-PWM** — TP202

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

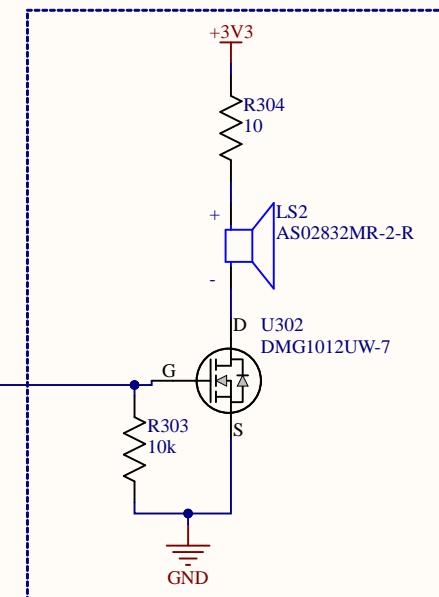
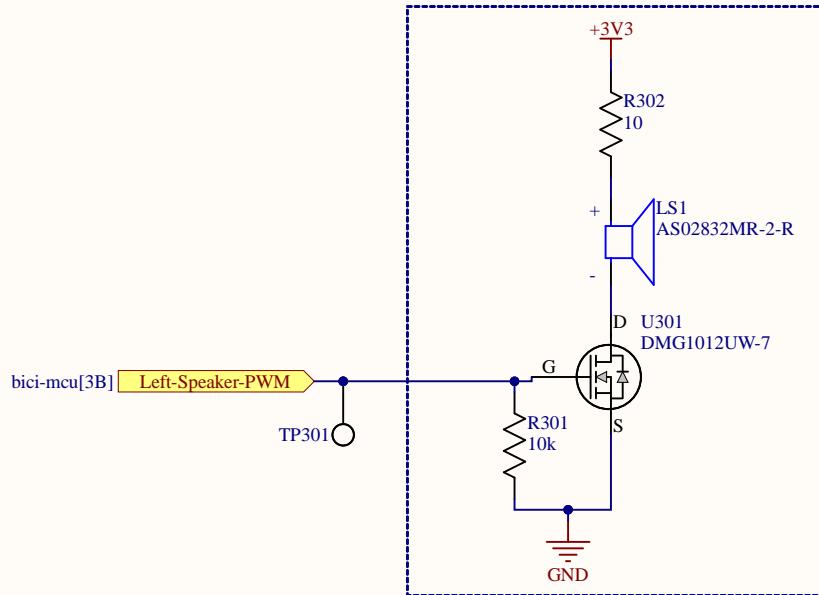
1

2

3

4

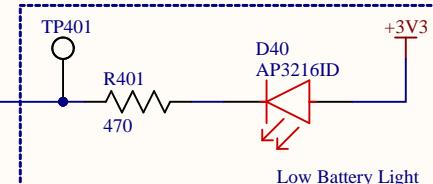
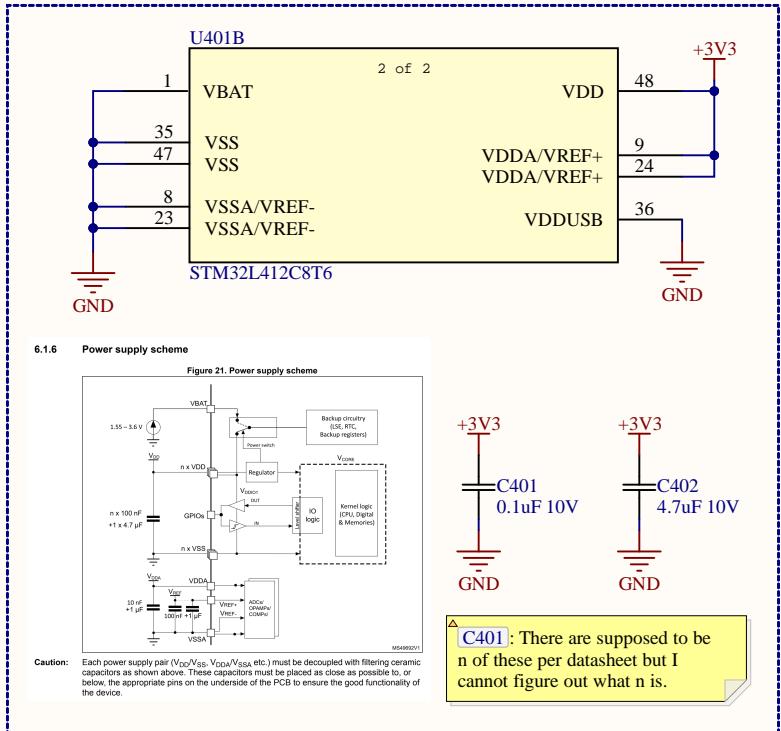
Left Indicator Audio Feedback Circuit



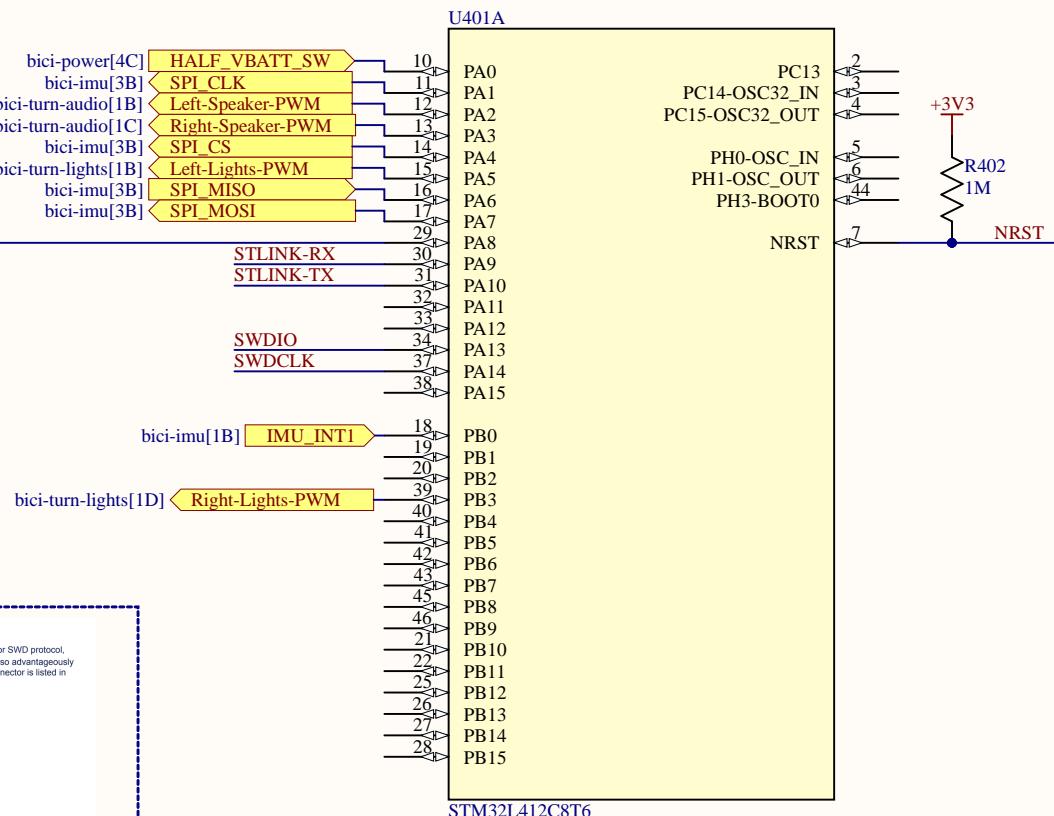
Right Indicator Audio Feedback Circuit

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

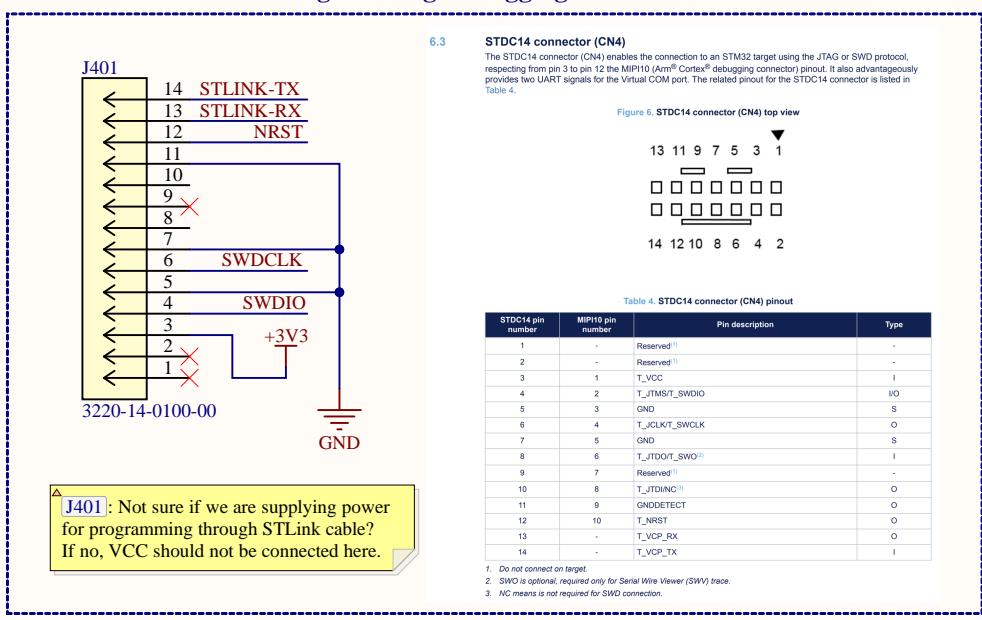
STM Power



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

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