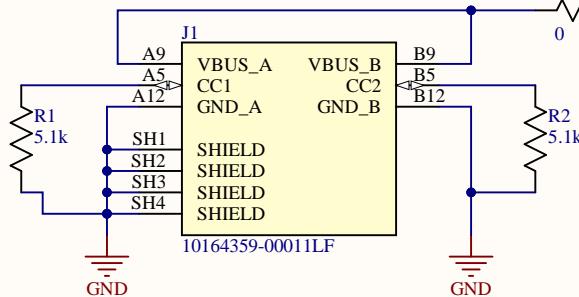
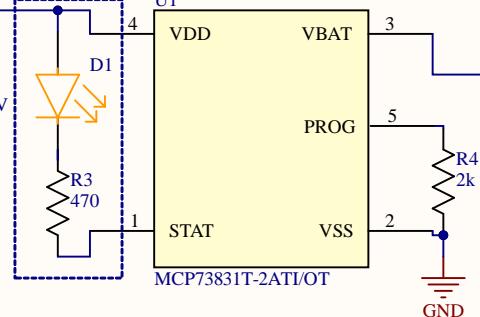
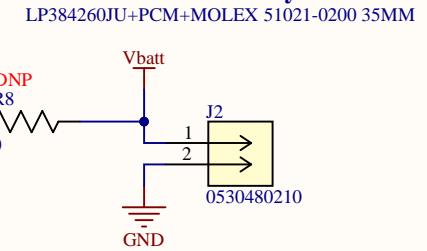
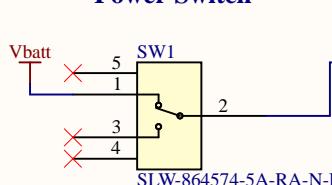
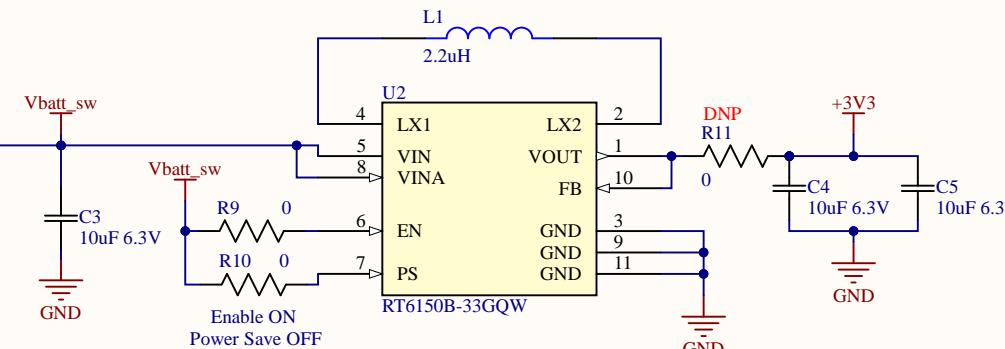
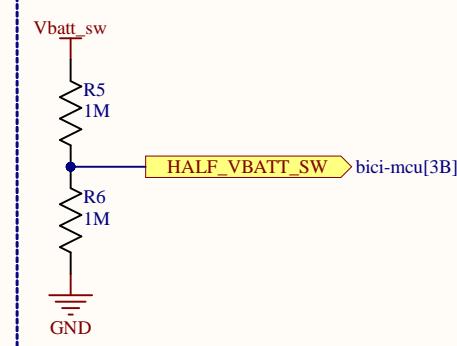
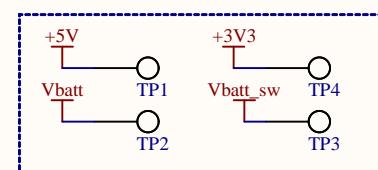


USB-C

Used exclusively to charge battery.

**Power Charger****Li Ion Battery****Power Switch**

Switch will be placed on edge of the PCB for access through housing.

Buck-Boost**Low Power Detection****Test Points**

Title **Bici: Power Management**
Circuitry related to system power and charging.

| Size | Number | Revision |
|-------|------------------------------|---------------------|
| A | | V3 |
| Date: | 12/08/2025 | Sheet 1 of 5 |
| File: | C:\Users\.\bici-power.SchDoc | Drawn By: Team Bici |

A

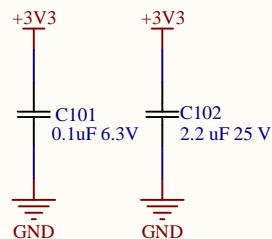
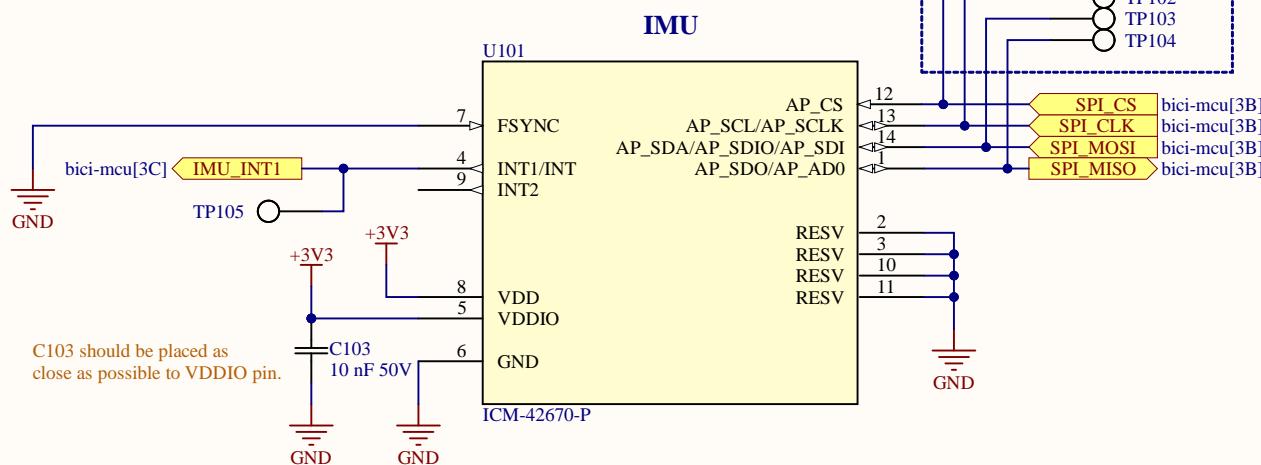
A

B

B

D

D



C101 and C102 should be placed as close as possible to VDD pin, with C101 closest to pin.

| | | |
|---|---------------------|----------------|
| Title Bici: IMU Circuitry related to IMU. | | |
| Size A | Number | Revision V3 |
| Date: 12/08/2025 | Sheet 2 of 5 | |
| File: C:\Users\.\bici-imu.SchDoc | Drawn By: Team Bici | |

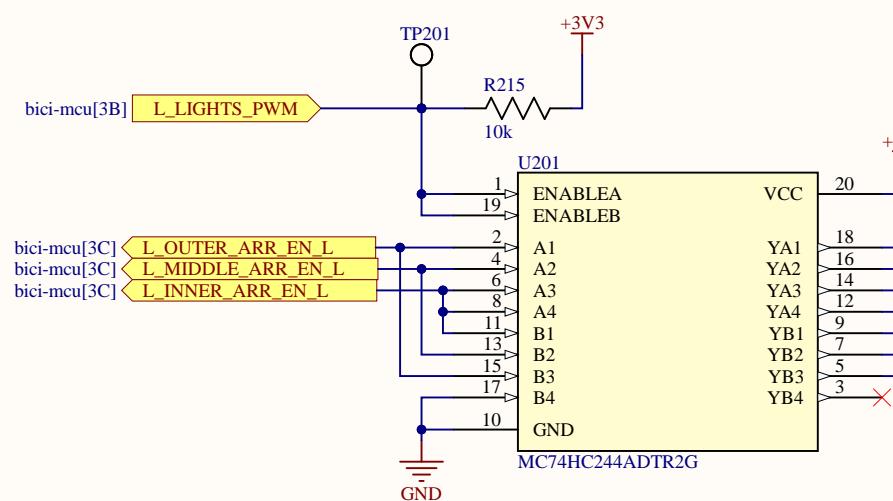
1

2

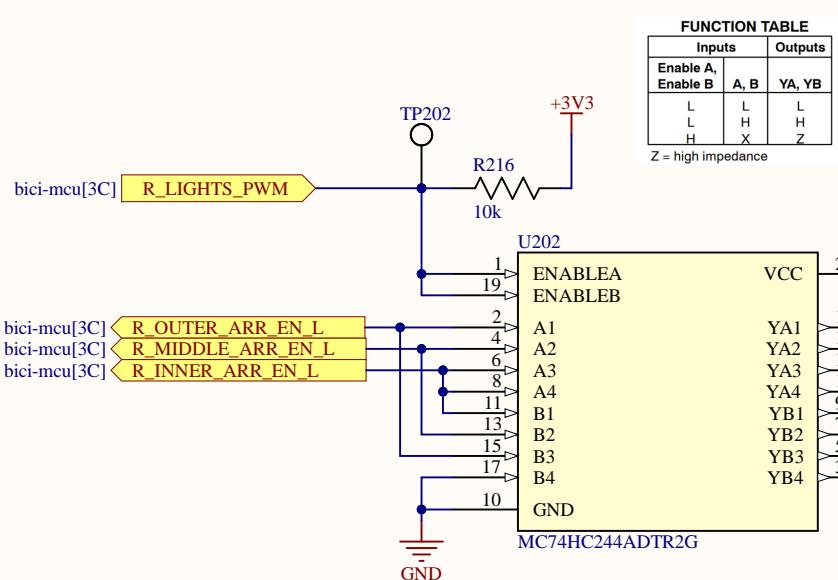
3

4

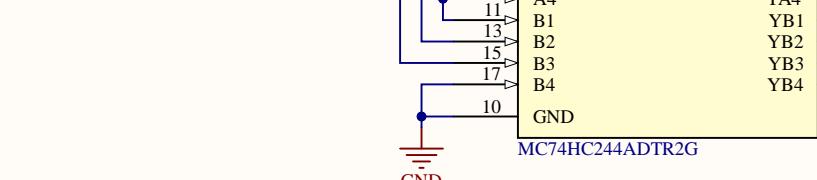
A



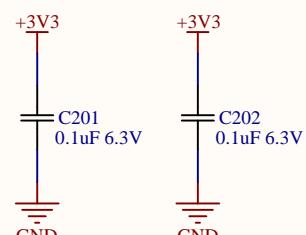
B



C

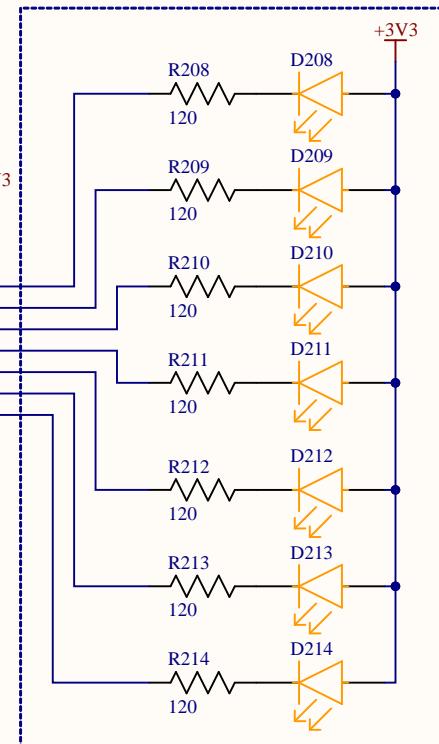


D

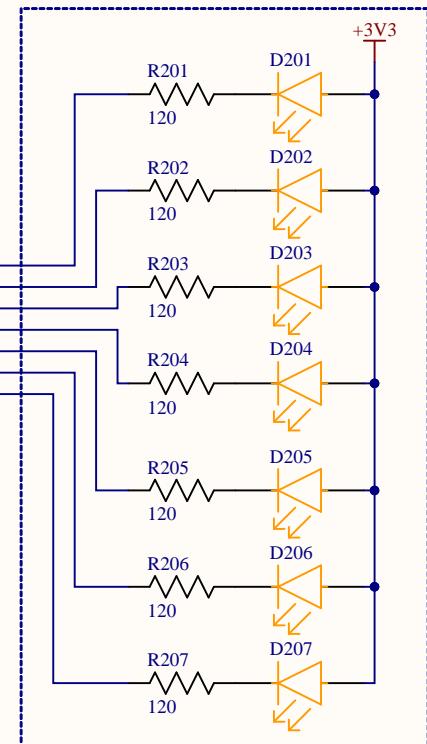


C202 should be placed as close as possible to U202 VCC pin.
C201 should be placed as close as possible to U201 VCC pin.

Right Indicator Light Circuit



Left Indicator Light Circuit



Title

Bici: Turn Signal Lights

Circuitry related to light feedback to surrounding cars.

Revision V3

Size

Number

A

Date:

12/08/2025

Sheet 3 of 5

File:

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

Drawn By: Team Bici

1

2

3

4

A

A

B

B

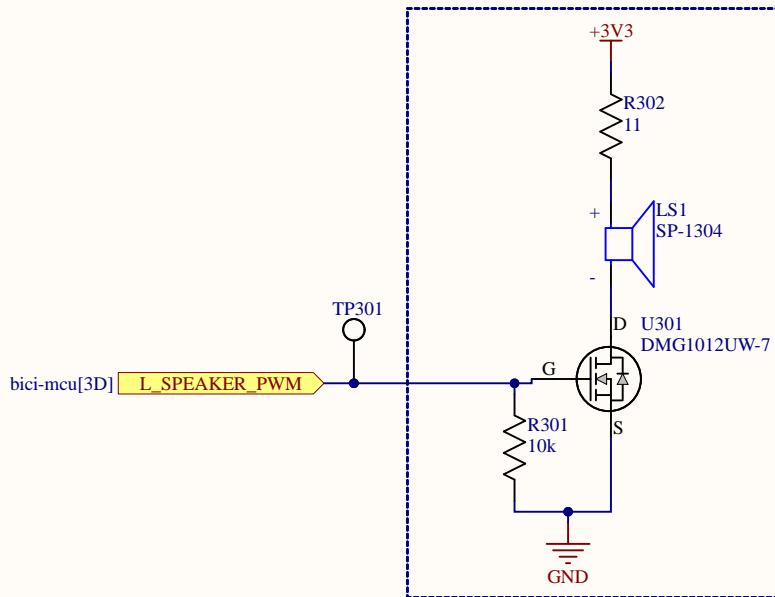
C

C

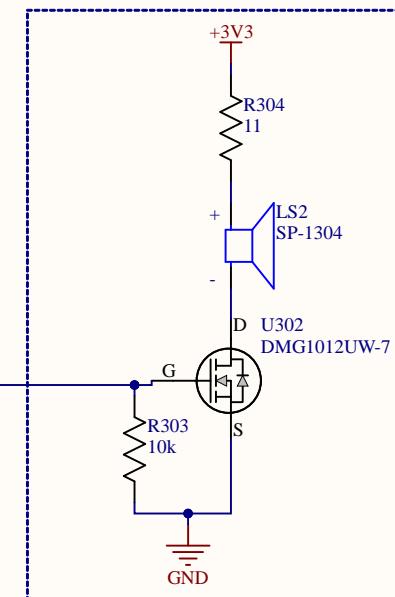
D

D

Left Indicator Audio Feedback Circuit



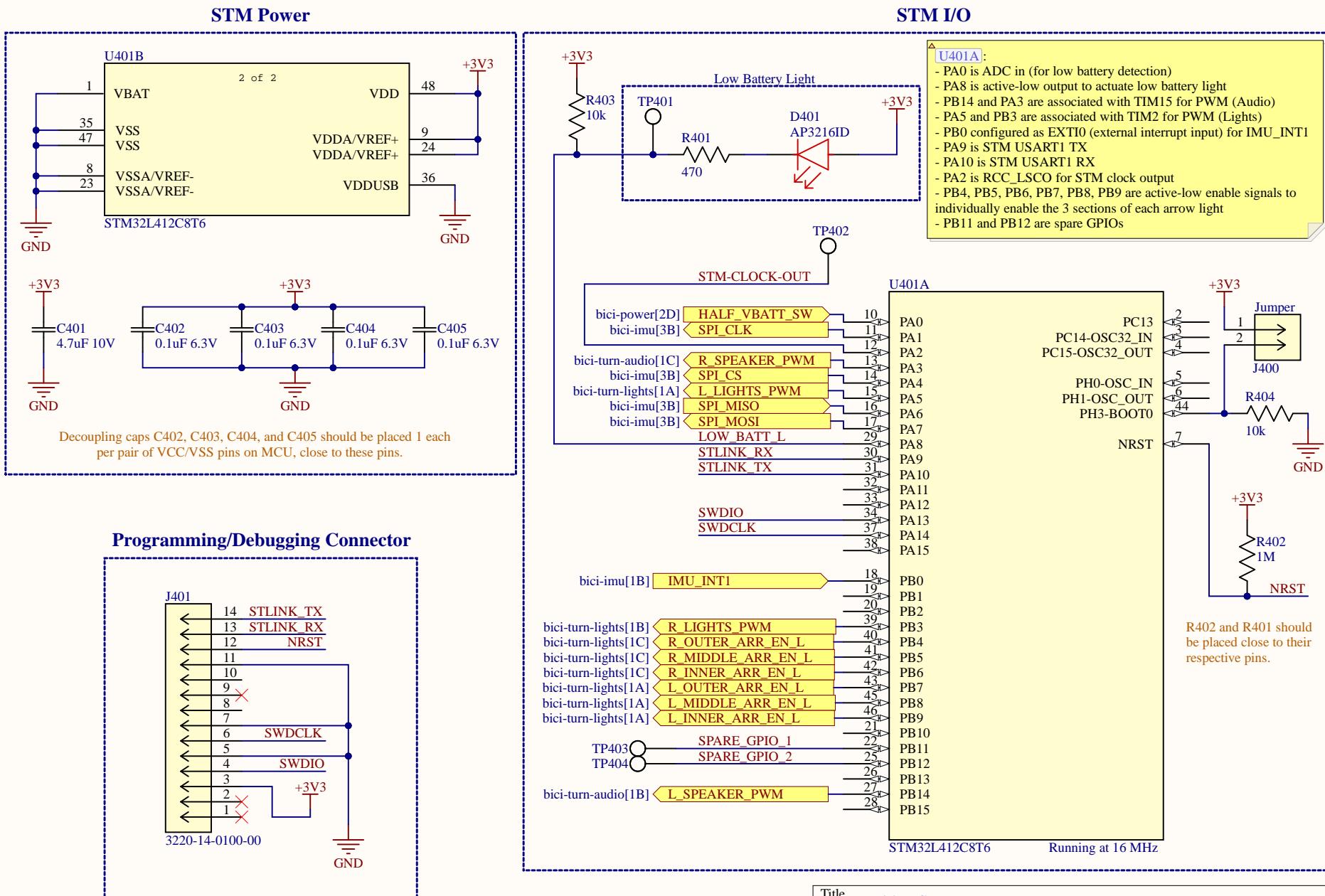
LS1 should be placed at the edge of the PCB on the left arrow point (to accomodate speaker placement in housing).



LS2 should be placed at the edge of the PCB on the right arrow point (to accomodate speaker placement in housing).

Right Indicator Audio Feedback Circuit

| | | |
|--|--------------|----------------|
| Title Bici: Turn Signal Audio Circuitry related to audio feedback to user. | | |
| Size A | Number | Revision V3 |
| Date: 12/08/2025 | Sheet 4 of 5 | |
| File: C:\Users\.\bici-turn-audio.SchDoc | Drawn By: | Team Bici |



| Title: Bici: MCU Circuitry related to embedded MCU. | | |
|--|---------------------|----------------|
| Size A | Number | Revision V3 |
| Date: 12/08/2025 | | Sheet 5 of 5 |
| File: C:\Users...\bici-mcu.SchDoc | Drawn By: Team Bici | |