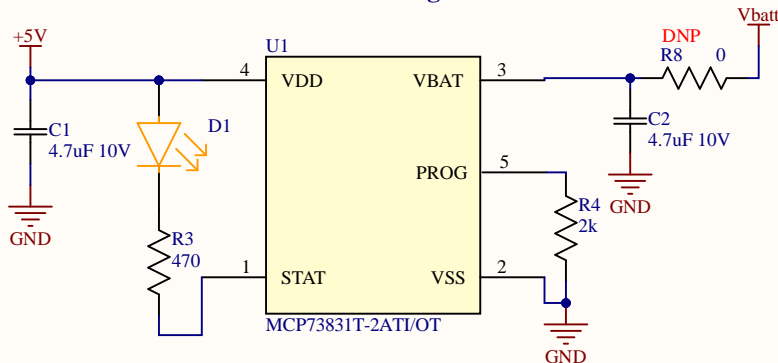
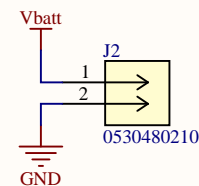


### Power Charger

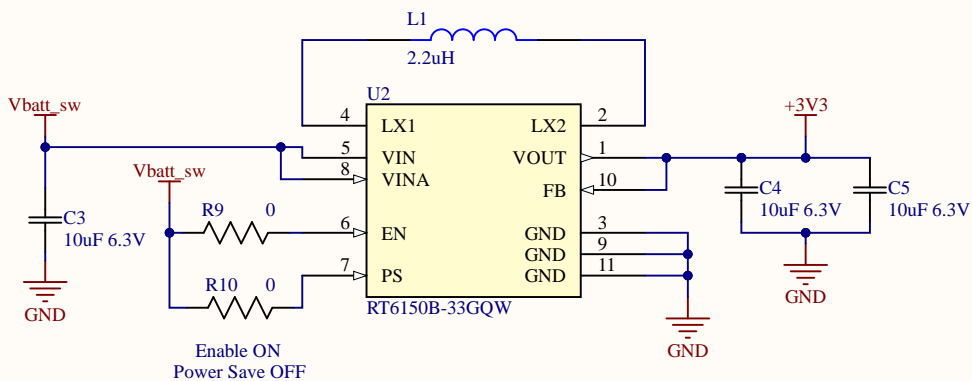


**Li Ion Battery**  
LP384260JU+PCM+MOLEX 51021-0200 35MM

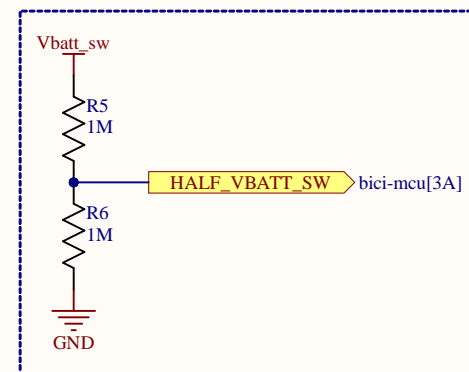


For best thermal performance, add vias from land area of EP to copper layer on opposite side of PCB

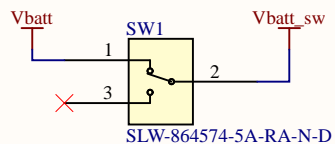
### Buck-Boost



### Low Power Detection

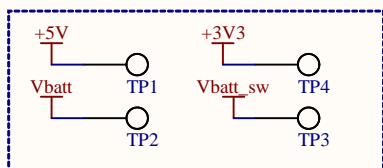


### Power Switch

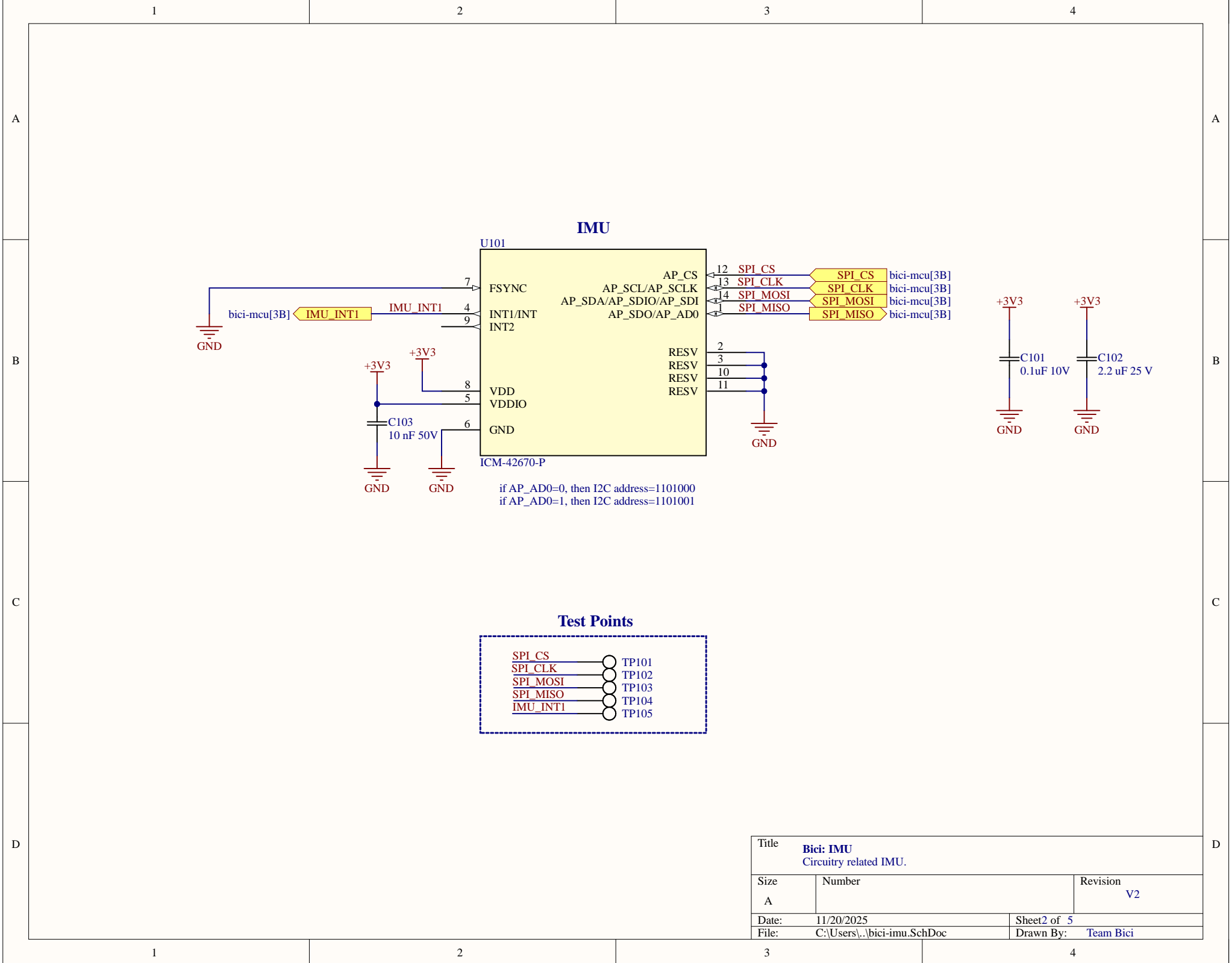


Switch in L position: ON  
Switch in R position: OFF

### Test Points



|   |                                |                     |
|---|--------------------------------|---------------------|
| Title   |                                |                     |
| Bici: Power Management                          |                                |                     |
| Circuitry related to system power and charging. |                                |                     |
| Size  | Number                         | Revision            |
| A   |                                | V2                  |
| Date:   | 11/20/2025                     | Sheet1 of 5         |
| File:   | C:\Users\...\bici-power.SchDoc | Drawn By: Team Bici |



1

2

3

4

A

A

B

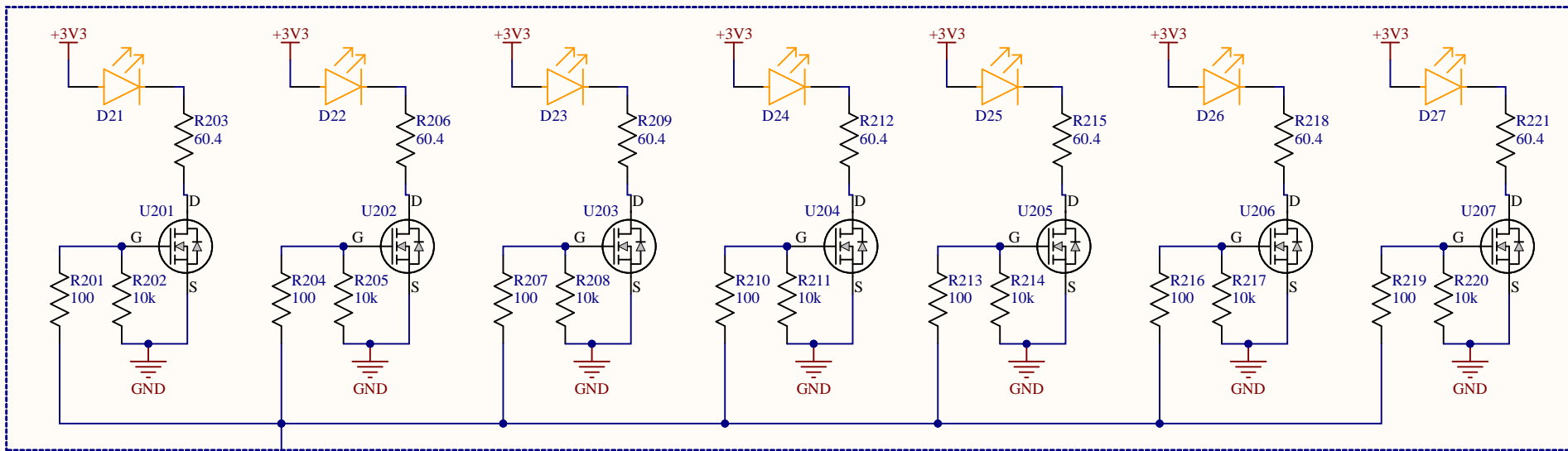
B

C

C

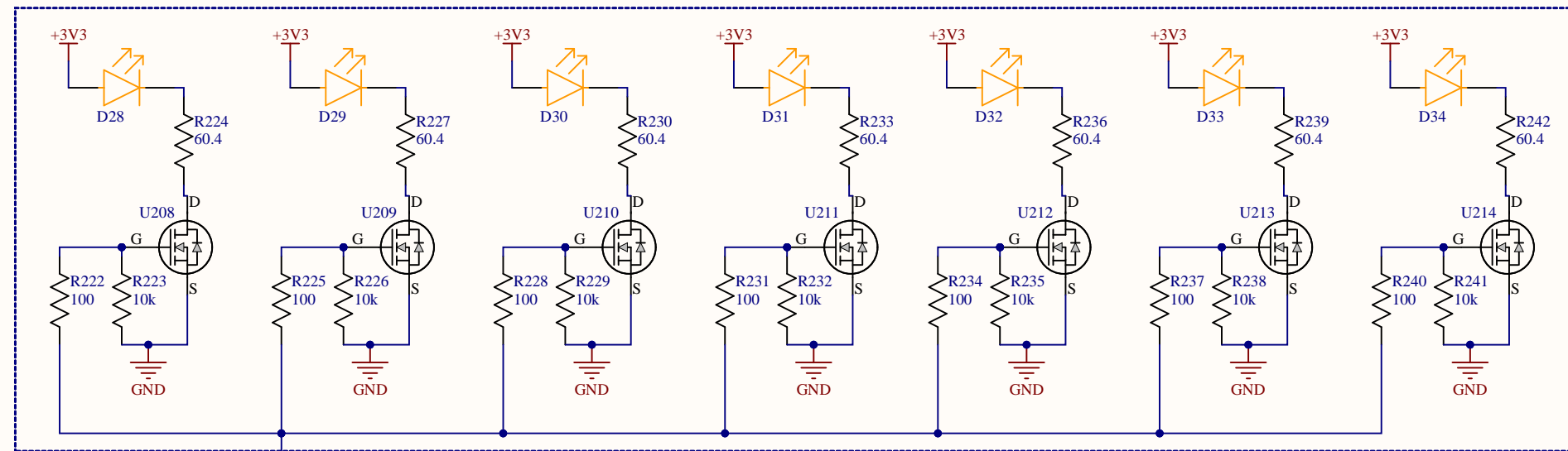
D

D



Left Indicator Light Circuit

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



Right Indicator Light Circuit

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

|   |                                      |                     |
|---|--------------------------------------|---------------------|
| Title<br><b>Bici: Turn Signal Lights</b><br>Circuitry related to light feedback to user and surrounding cars. |                                      |                     |
| Size<br>A   | Number                               | Revision<br>V2      |
| Date:   | 11/20/2025                           | Sheet3 of 5         |
| File:   | C:\Users\...\bici-turn-lights.SchDoc | Drawn By: Team Bici |

1

2

3

4

A

B

C

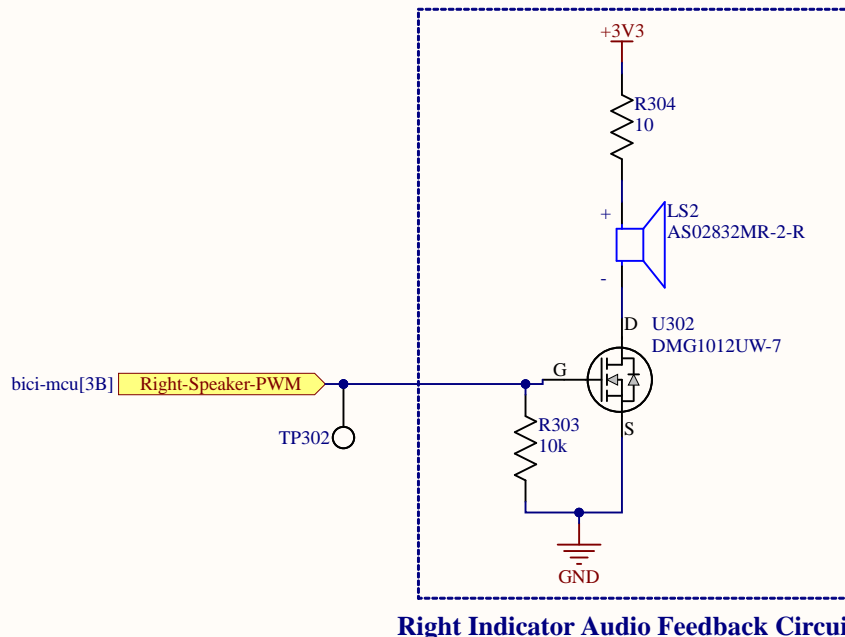
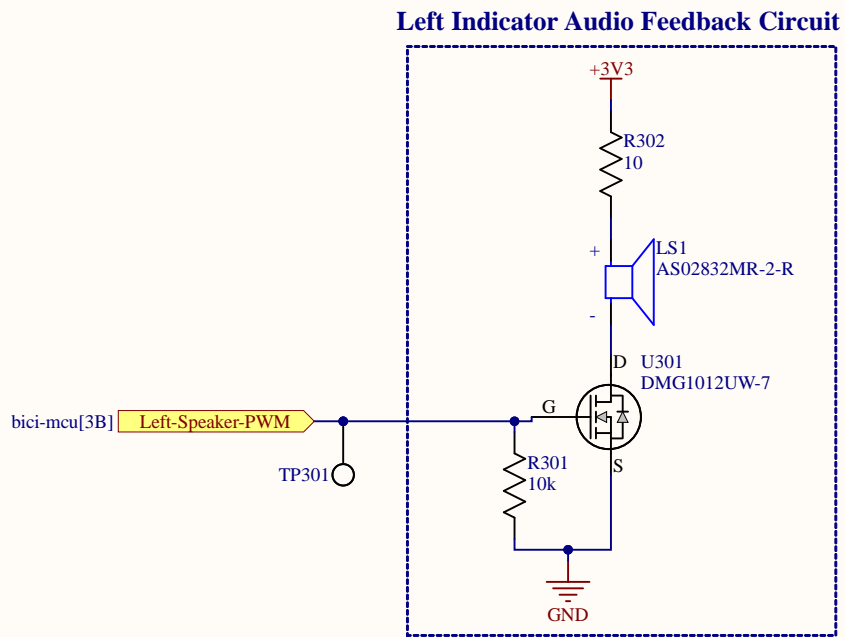
D

A

B

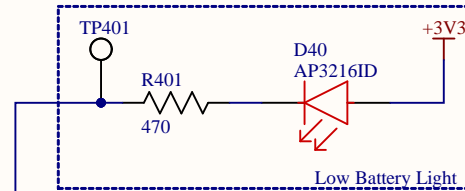
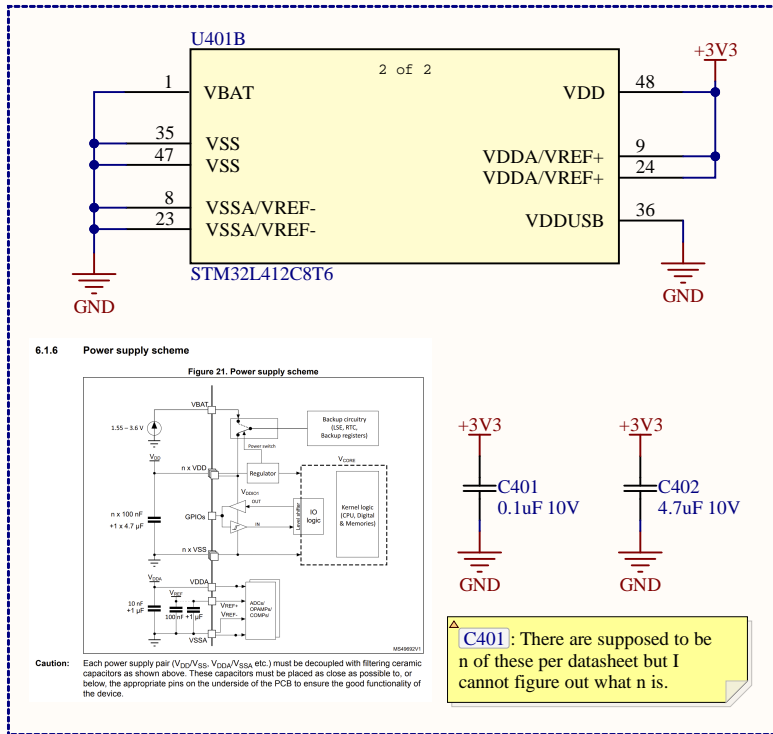
C

D

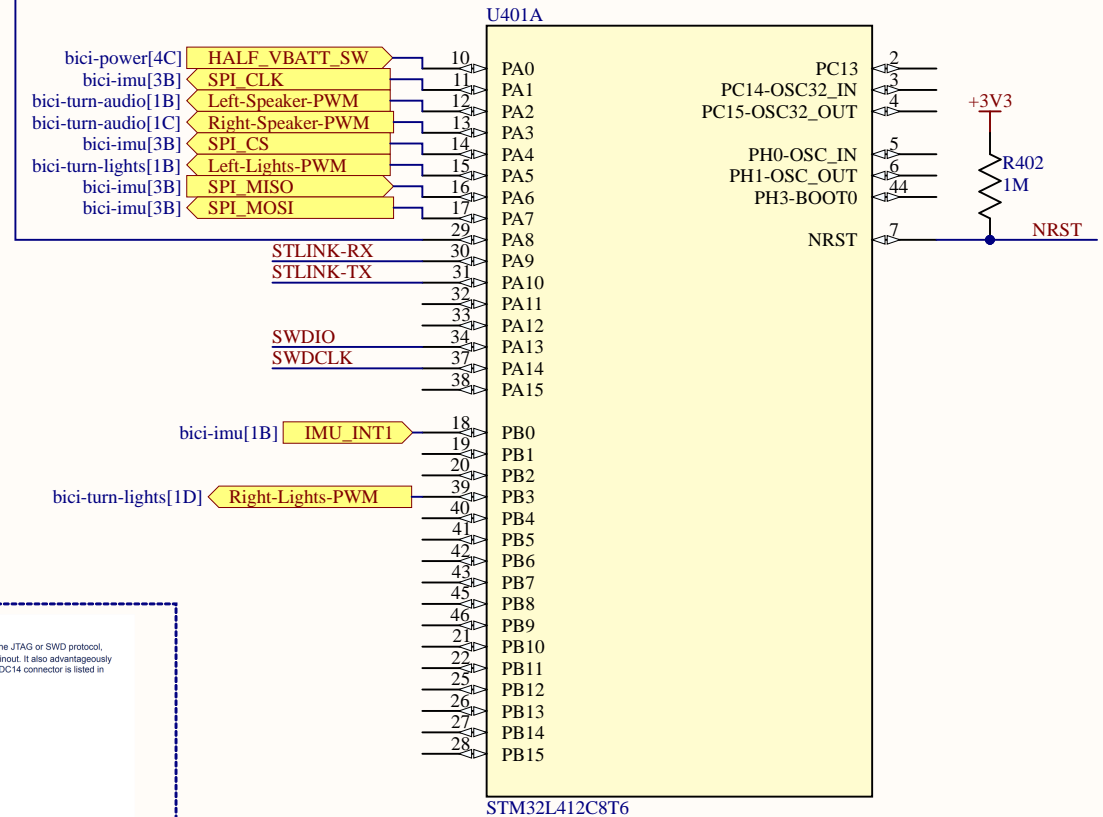


|       |                                     |              |  |
|-------|-------------------------------------|--------------|--|
| Title |                                     |              | <b>Bici: Turn Signal Audio</b><br>Circuitry related to audio feedback to user. |
| Size  | Number                              |              | Revision   |
| A     |                                     |              | 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

