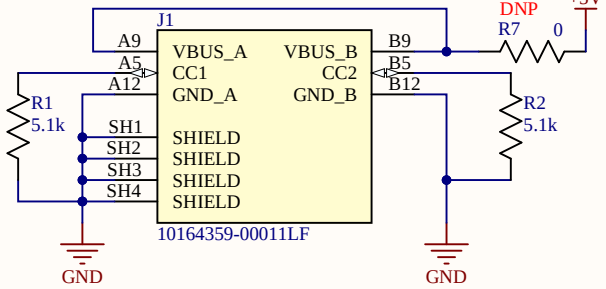
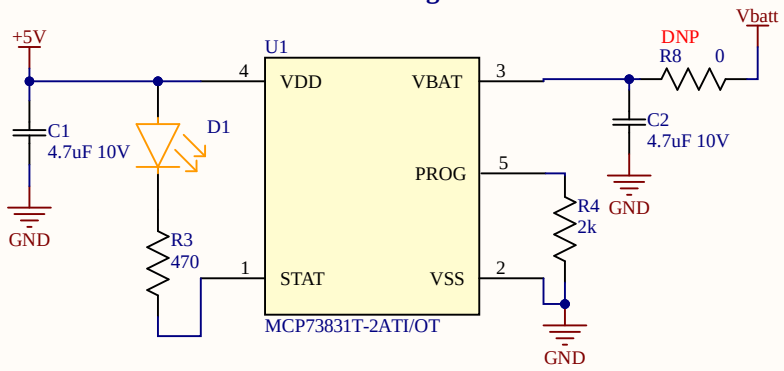
USB-C



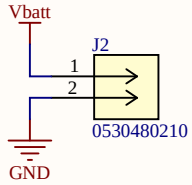
Power Charger



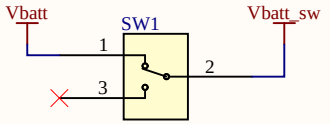
For best thermal performance, add vias from land area of EP
to copper layer on opposite side of PCB

Li Ion Battery

LP384260JU+PCM+MOLEX 51021-0200 35MM

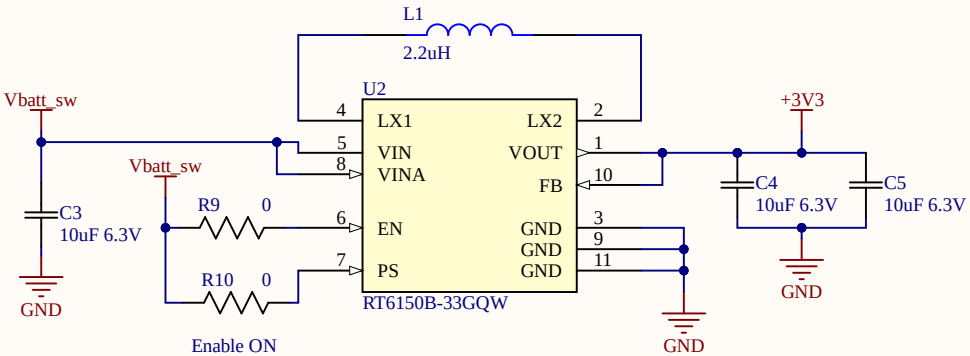


Power Switch



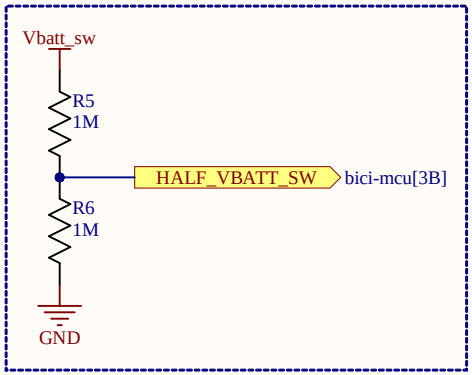
Switch in L position: ON
Switch in R positon: OFF

Buck-Boost

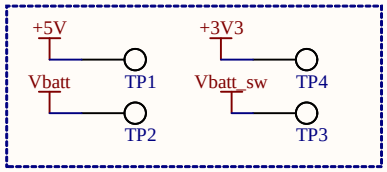


Enable ON
Power Save OFF

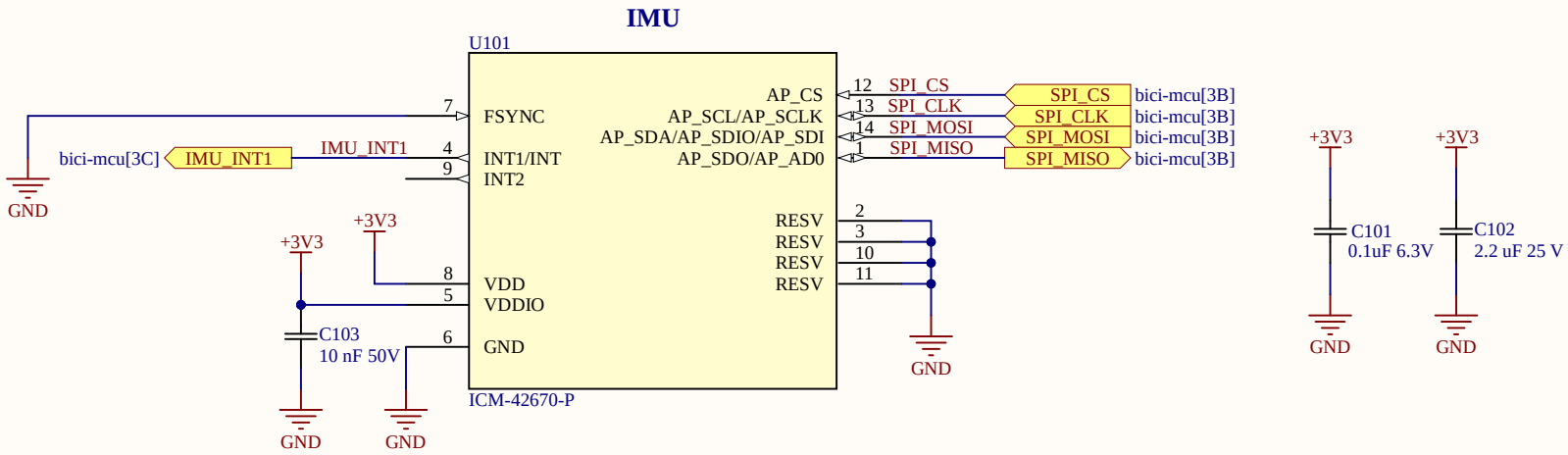
Low Power Detection

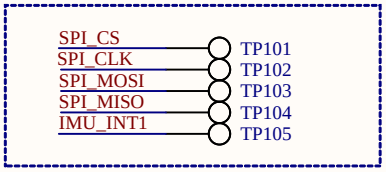


Test Points

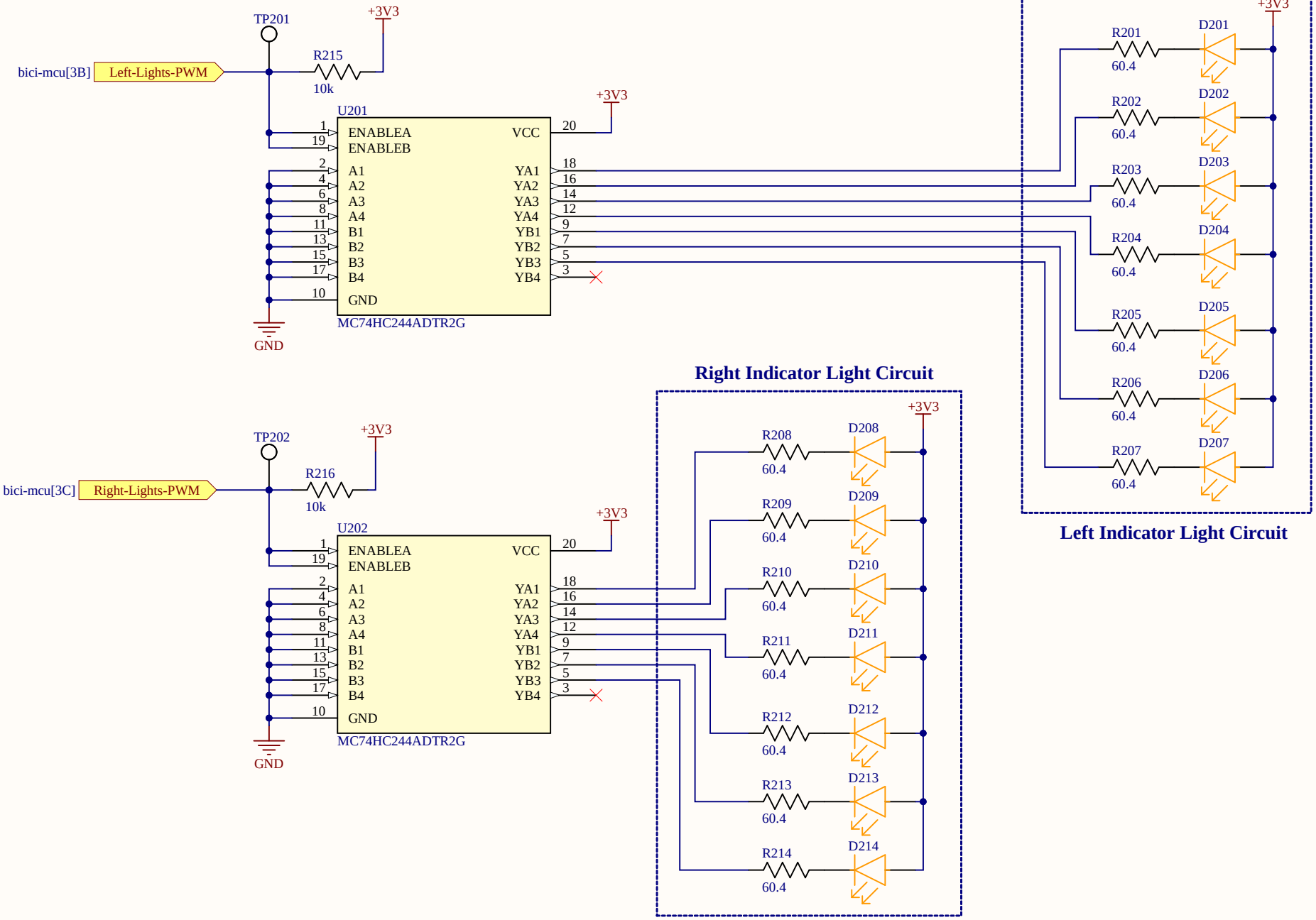


Title	**Bici: Power Management** Circuitry related to system power and charging.	
Size A	Number	Revision V3
Date: 12/02/2025		Sheet1 of 5
File: C:\Users\..\bici-power.SchDoc		Drawn By: Team Bici



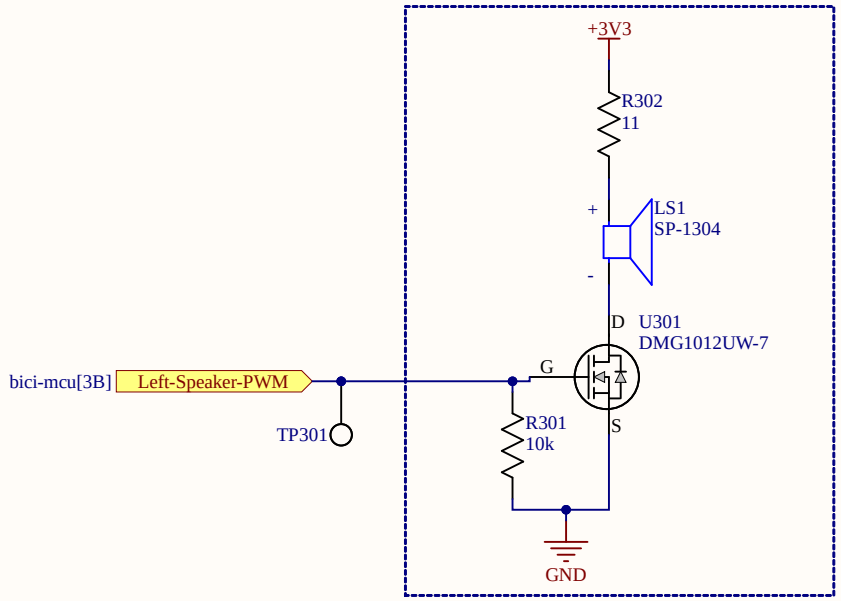


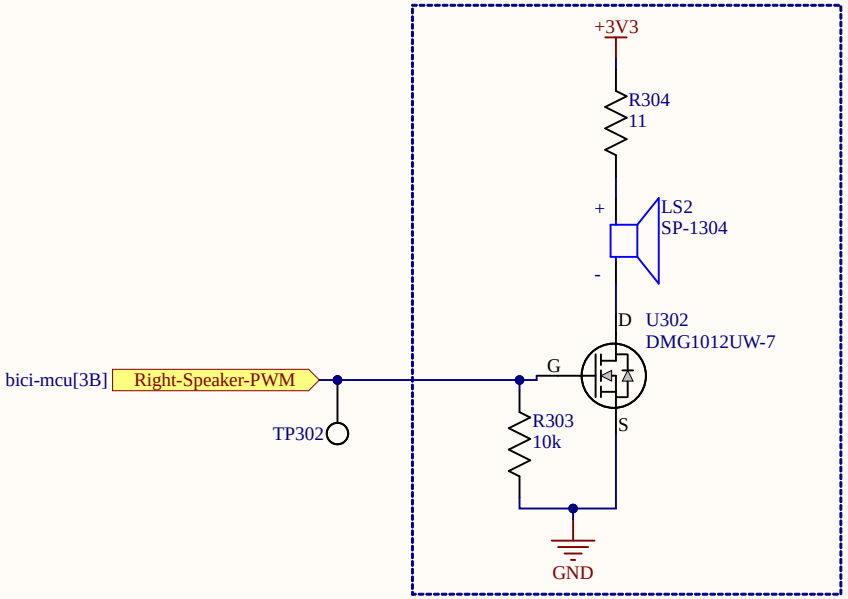
Title	**Bici: IMU** Circuitry related IMU.	
Size A	Number	Revision V3
Date: 12/02/2025		Sheet2 of 5
File: C:\Users\..\bici-imu.SchDoc		Drawn By: Team Bici



Title	**Bici: Turn Signal Lights** Circuitry related to light feedback to user and surrounding cars.	
Size A	Number	Revision V3
Date: 12/02/2025		Sheet3 of 5
File: C:\Users\..\bici-turn-lights.SchDoc		Drawn By: Team Bici

Left Indicator Audio Feedback Circuit

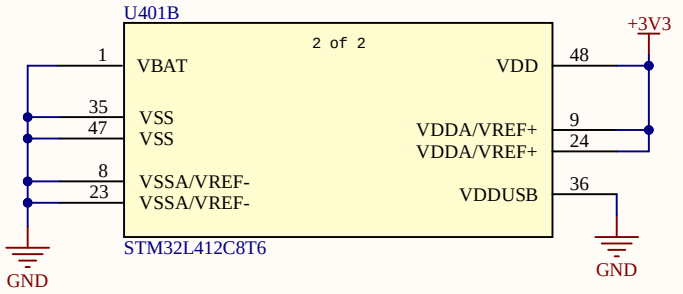




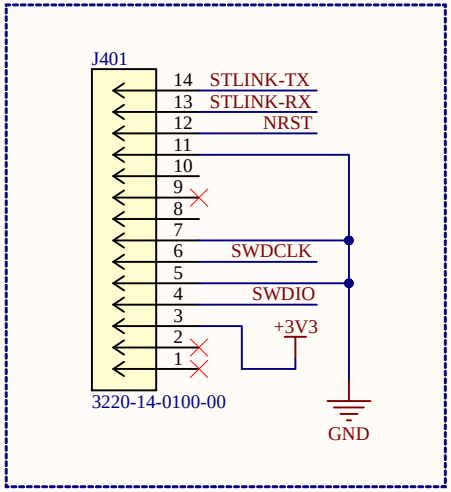
Right Indicator Audio Feedback Circuit

Title	**Bici: Turn Signal Audio** Circuitry related to audio feedback to user.	
Size A	Number	Revision V3
Date: 12/02/2025		Sheet4 of 5
File: C:\Users\..\bici-turn-audio.SchDoc		Drawn By: Team Bici

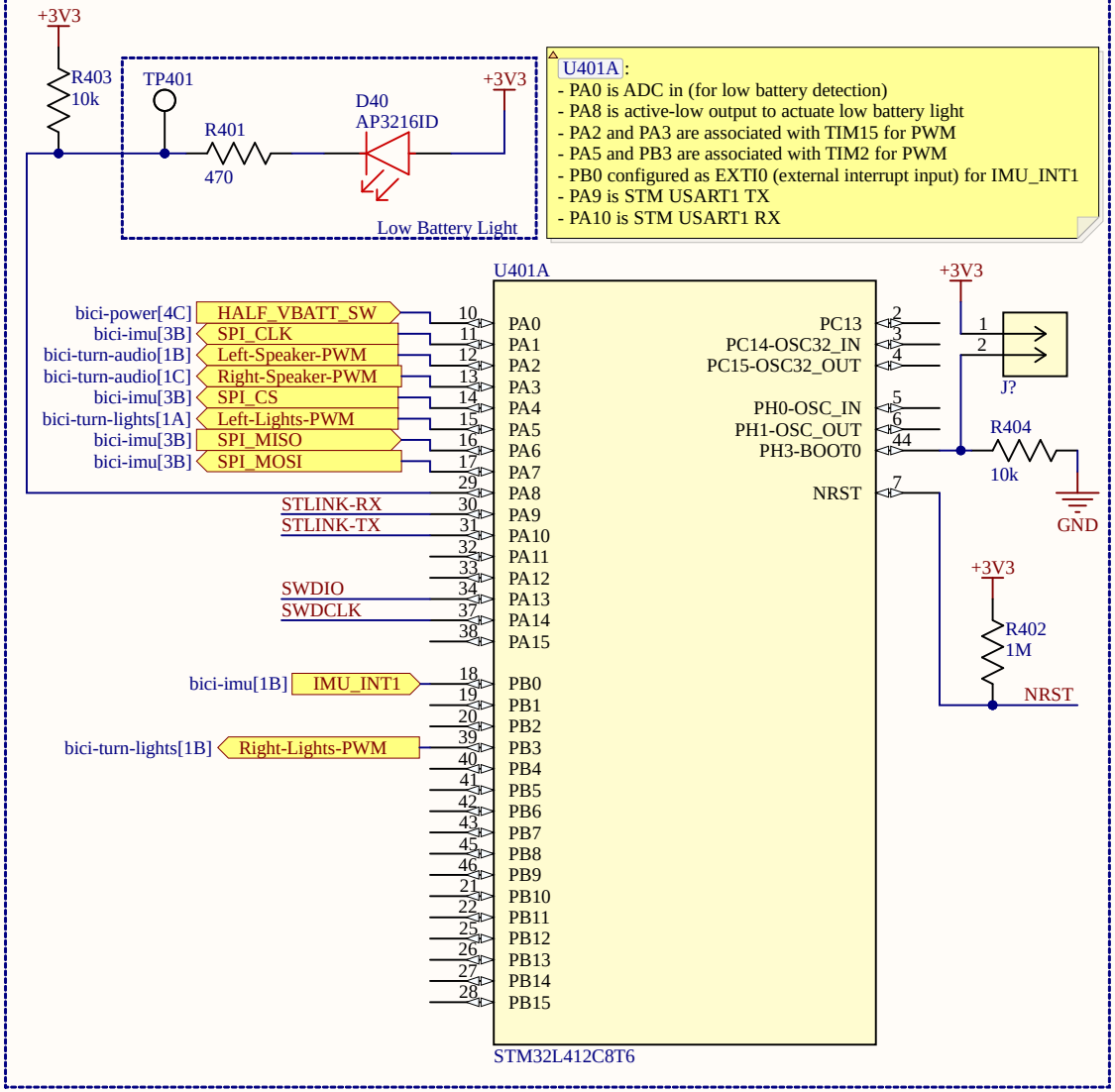
STM Power



Programming/Debugging Connector



STM I/O



Title	**Bici: MCU** Circuitry related to embedded MCU.	
Size A	Number	Revision V3
Date:	12/02/2025	Sheet5 of 5
File:	C:\Users\..\bici-mcu.SchDoc	Drawn By: Team Bici