

Sheet: LYFT_Power

Power LED
+12V LIN Supply
+3V3 Board Supply

File: LYFT_Power.sch

Sheet: LYFT_Controller

SAM-D21 Controller
Cortex Debug Interface
I2C Pull-up

File: LYFT_Controller.sch

Sheet: LYFT_Peripheral

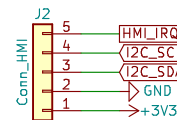
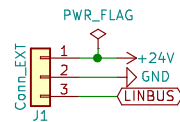
LIN Driver
USB Communication
Audio Transducer
Safety Pin

File: LYFT_Peripheral.sch

Mechanics

- H1 MountingHole
- H3 MountingHole
- H4 MountingHole

Terminals



LYFT G1
Logo



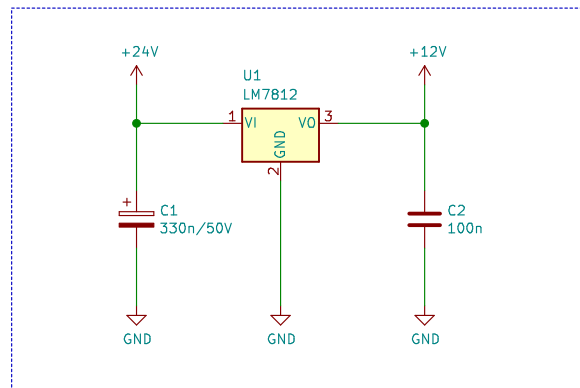
Sheet: /
File: LYFT_CTRL.sch

Title: LYFT (Controller Board)

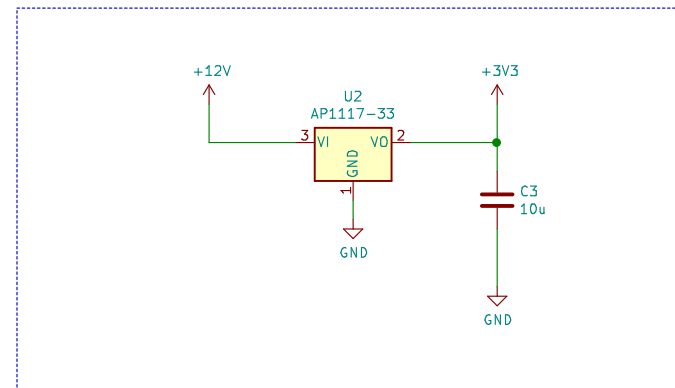
Size: A4 Date: Dec. 2021
KiCad E.D.A. kicad 5.1.9+dfsg1-1

Rev: A
Id: 1/4

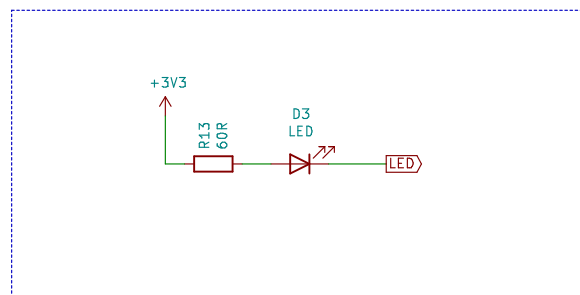
+12 LIN Supply



+3V3 Board Supply



Power LED

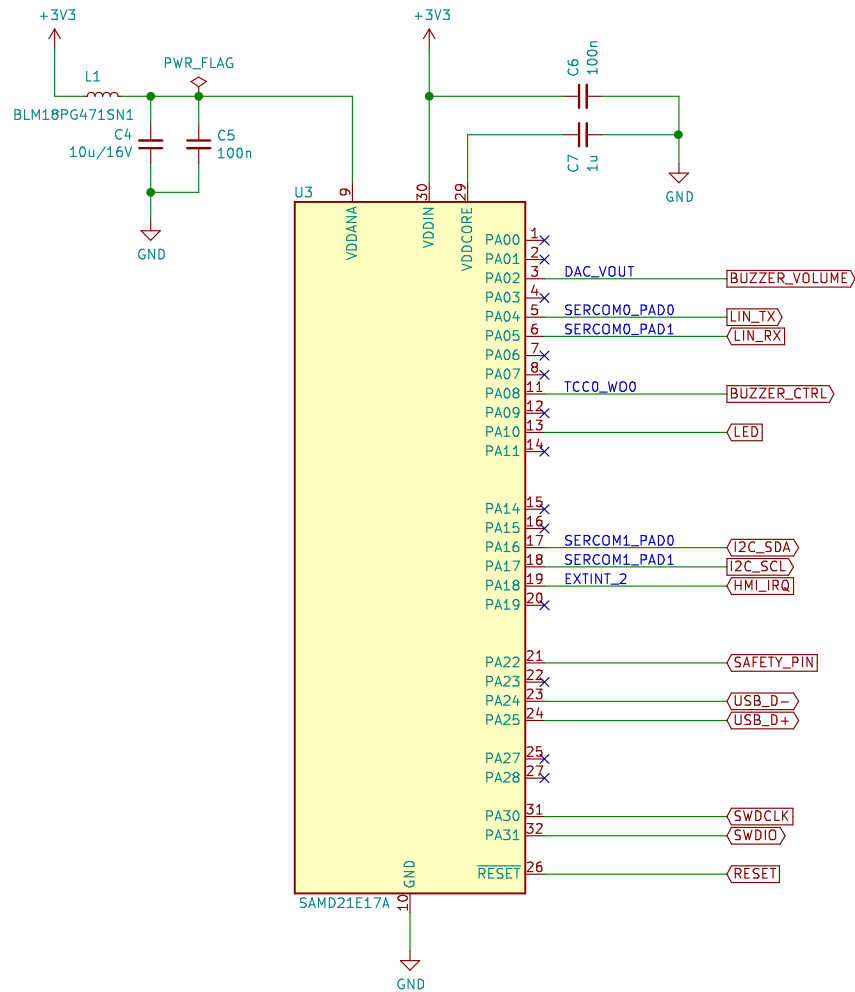


Sheet: /LYFT_Power/
File: LYFT_Power.sch

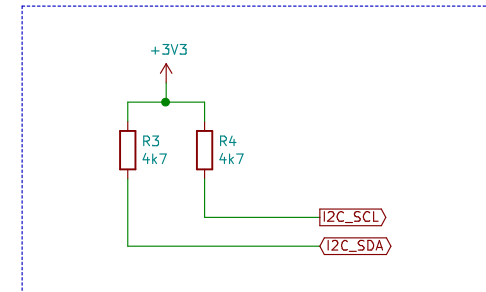
Title: LYFT (Controller Board)

Size: A4 Date: Dec. 2021
KiCad E.D.A. kicad 5.1.9+dfsg1-1

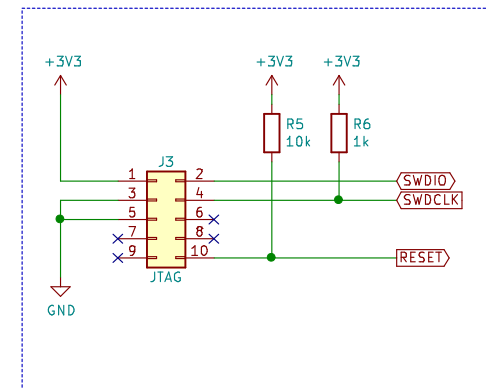
Rev: A
Id: 2/4



I2C Pull Up



Cortex Debug Connector



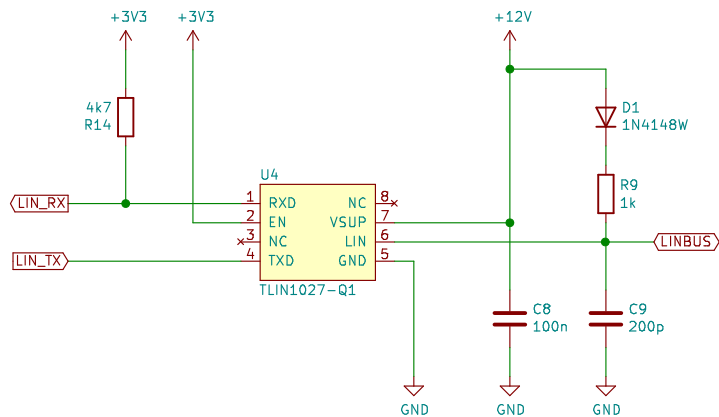
Sheet: /LYFT_Controller/
File: LYFT_Controller.sch

Title: LYFT (Controller Board)

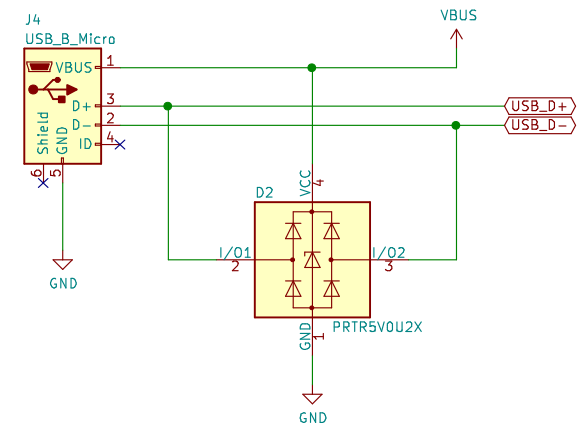
Size: A4 Date: Dec. 2021
KiCad E.D.A. kicad 5.1.9+dfsg1-1

Rev: A
Id: 3/4

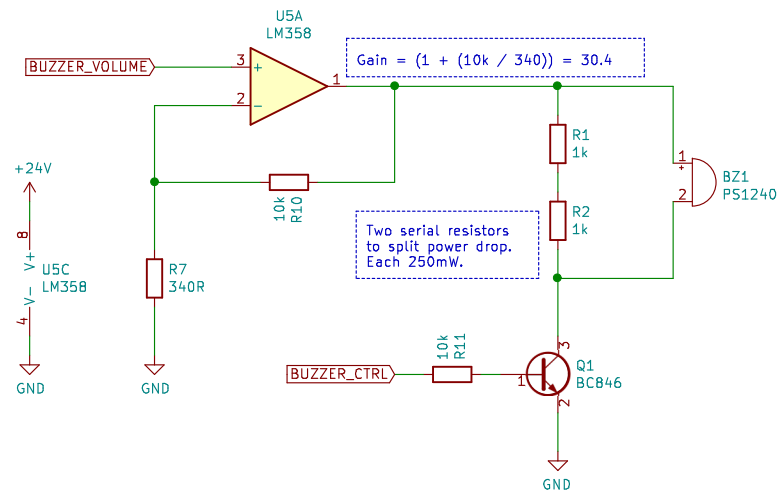
LIN Driver



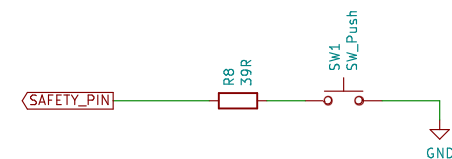
USB Communication



Audio Transducer (Buzzer) with volume control



Safety Pin



Sheet: /LYFT_Peripheral/
File: LYFT_Peripheral.sch

Title: LYFT (Controller Board)

Size: A4 Date: Dec. 2021

KiCad E.D.A. kicad 5.1.9+dfsg1-1

Rev: A

Id: 4/4