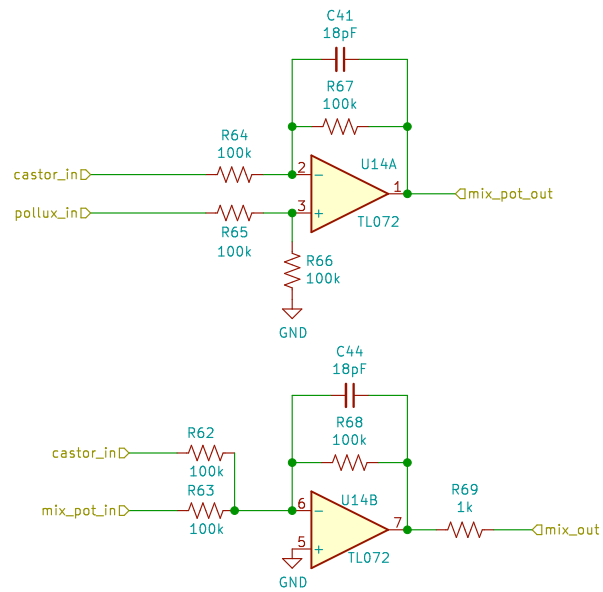
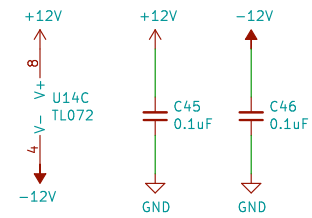
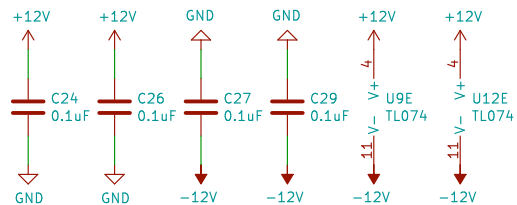
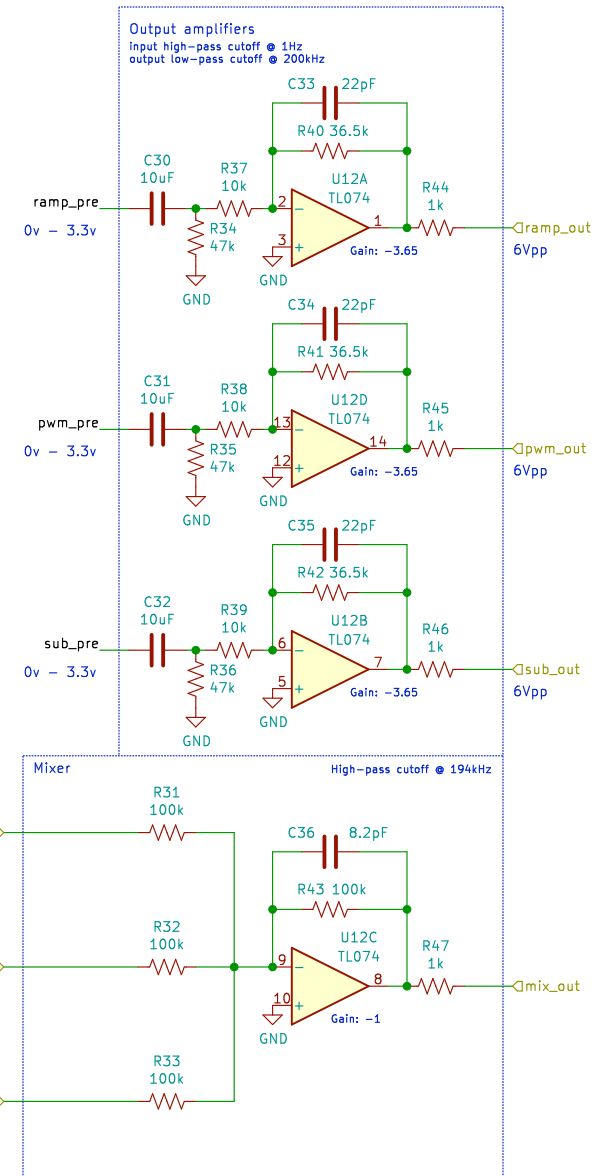
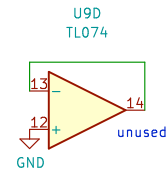
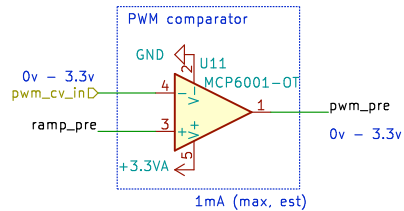
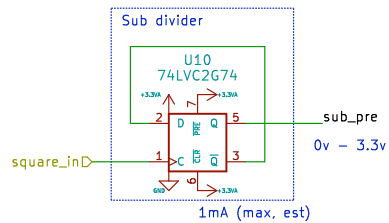
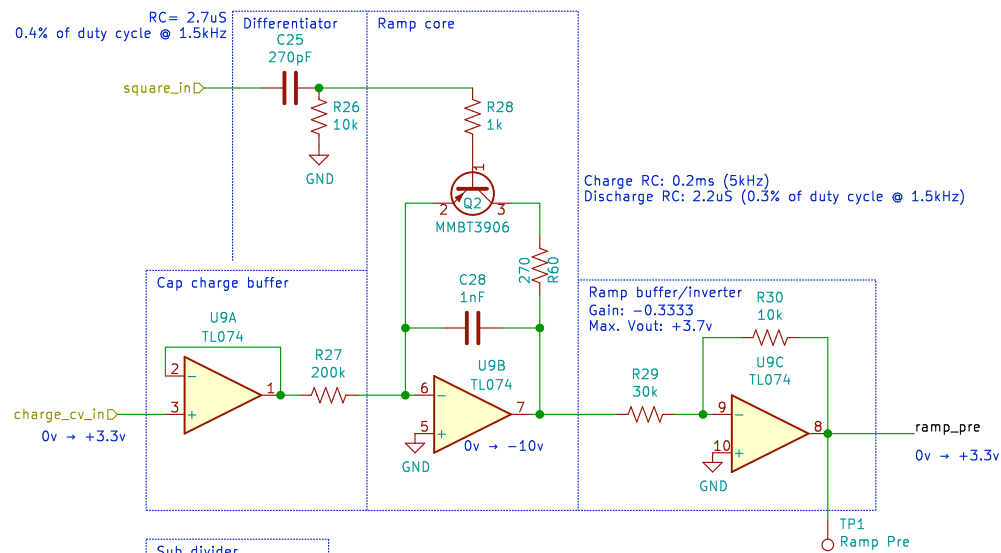


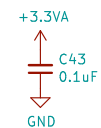
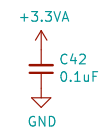
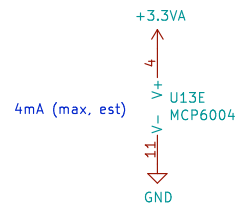
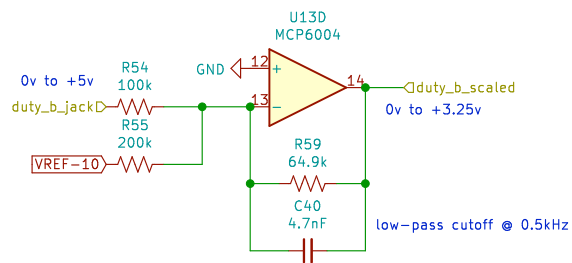
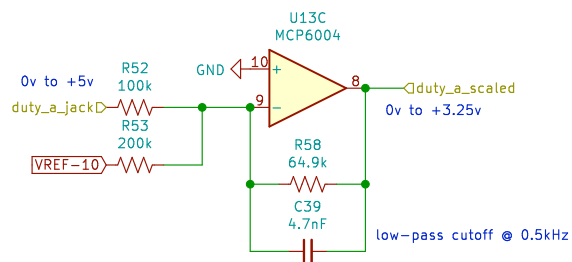
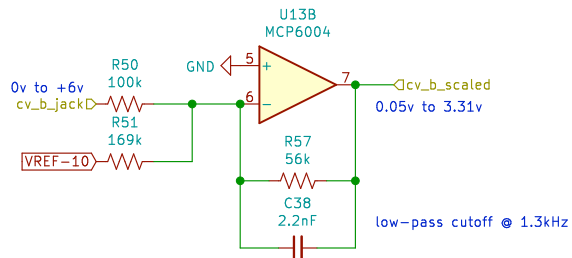
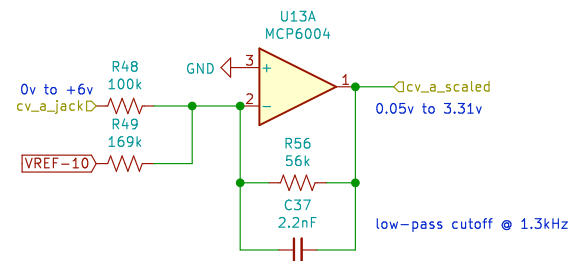
Power consumption: 65-100mA, 0.7-1.2W
Power dissipated: 0.8W
Heatsink area: 1.15in²
Thermal resistance: 66 C/W (estimated)
Maximum thermal resistance: 118 C/W
Alternatives considered:
- LD2981 (< 100mA)
- TPS62135 (> 100mA)



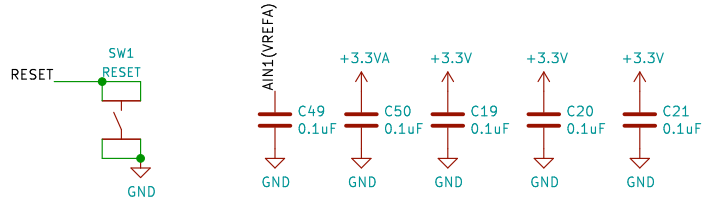
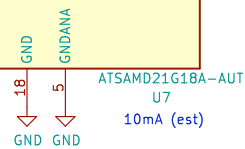
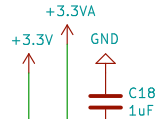
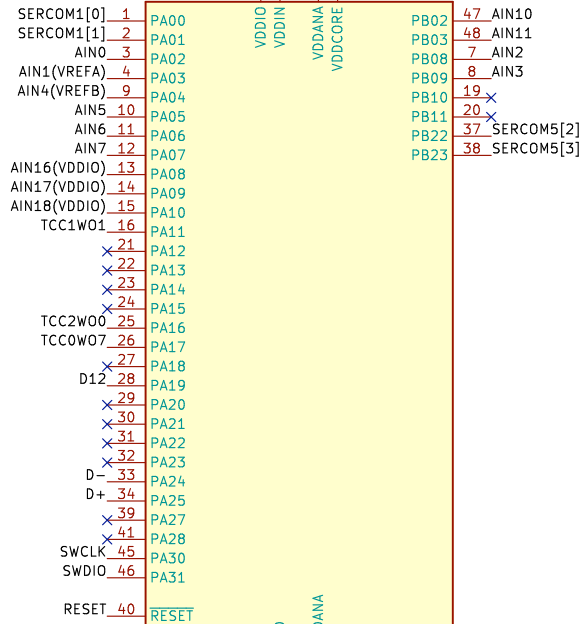
mix gain may need to be adjusted, test prototype for clipping







i2c on SERCOM1



Assignments can be changed to suit layout

