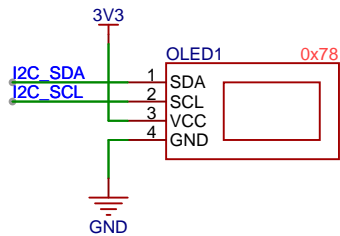
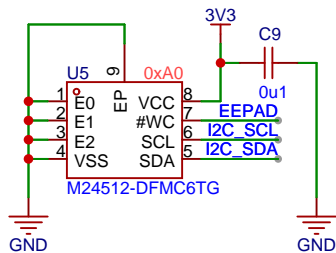


OLED

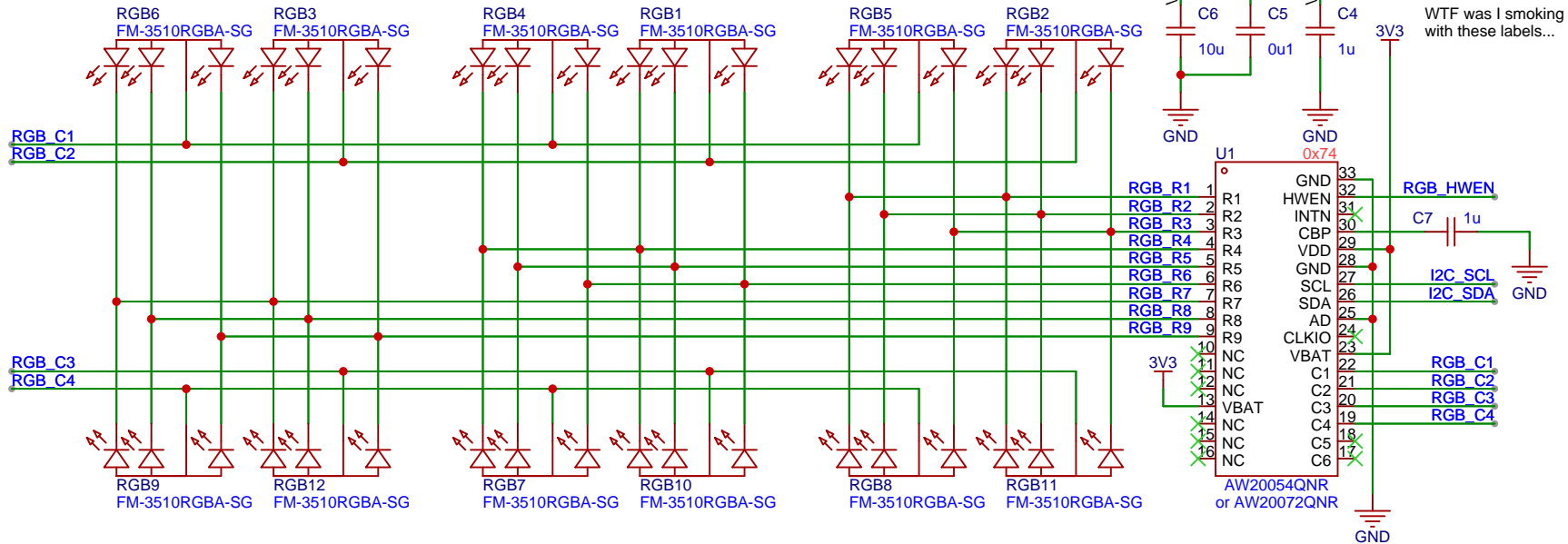


EEPROM

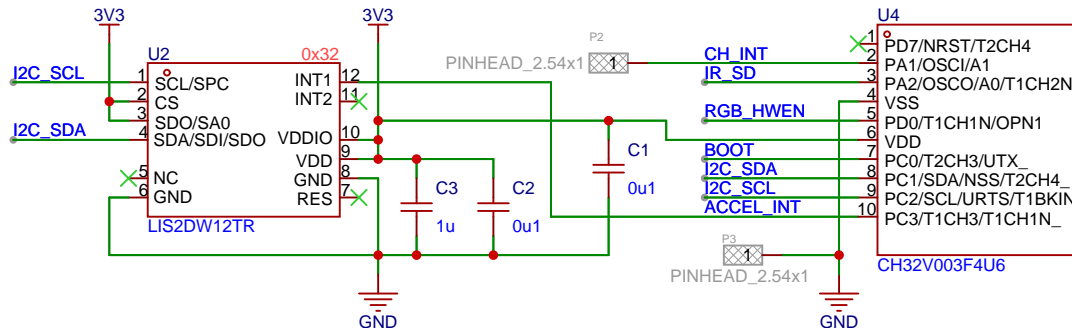


Known problems: All I2C addresses listed are left-aligned.
- None.

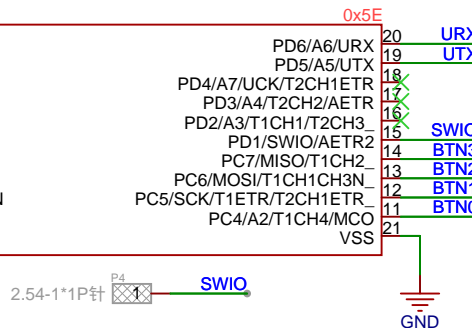
RGB LEDs



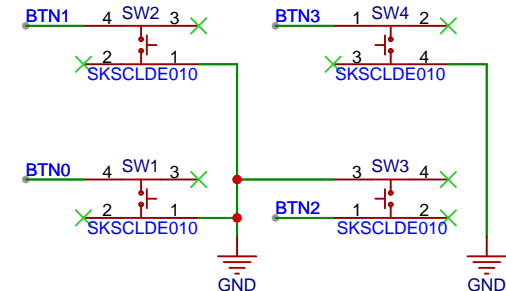
Accelerometer



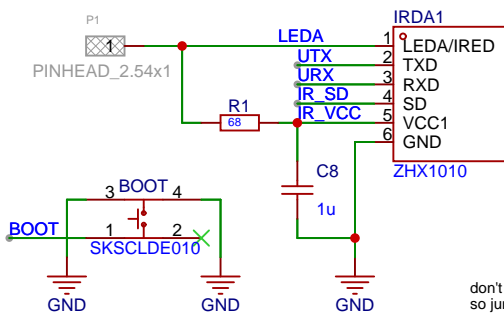
Sub MCU



User Input



Side Stuff



Inferred Vf of IRED ~2.15V @ max mA
No graphs or specs provided, DS does not say Vf, but implies: at 3v3, max mA @ 2.7, so Vf ~2.2V unknown if max is 300mA or 500mA.
if 500mA:
guessing ~250mA @ 5
guessing ~200mA @ 6
guessing ~125mA @ 10

don't have time to prototype, so jumper resistors and figure out later

Schematic

Page

Drawn

Reviewed

true

GAT Bottom Board

top_board_schematic

true's GAT Nametag - SUPERCON 8 EDITION

VER

REV4

SIZE

A4

Update Date

2024-10-27

Create Date

2024-10-07

Part Number

tC-SC8-01

PAGE

1

OF

1

schematics, instructions, firmware updates
<https://basic.truecontrol.org>

trueControl