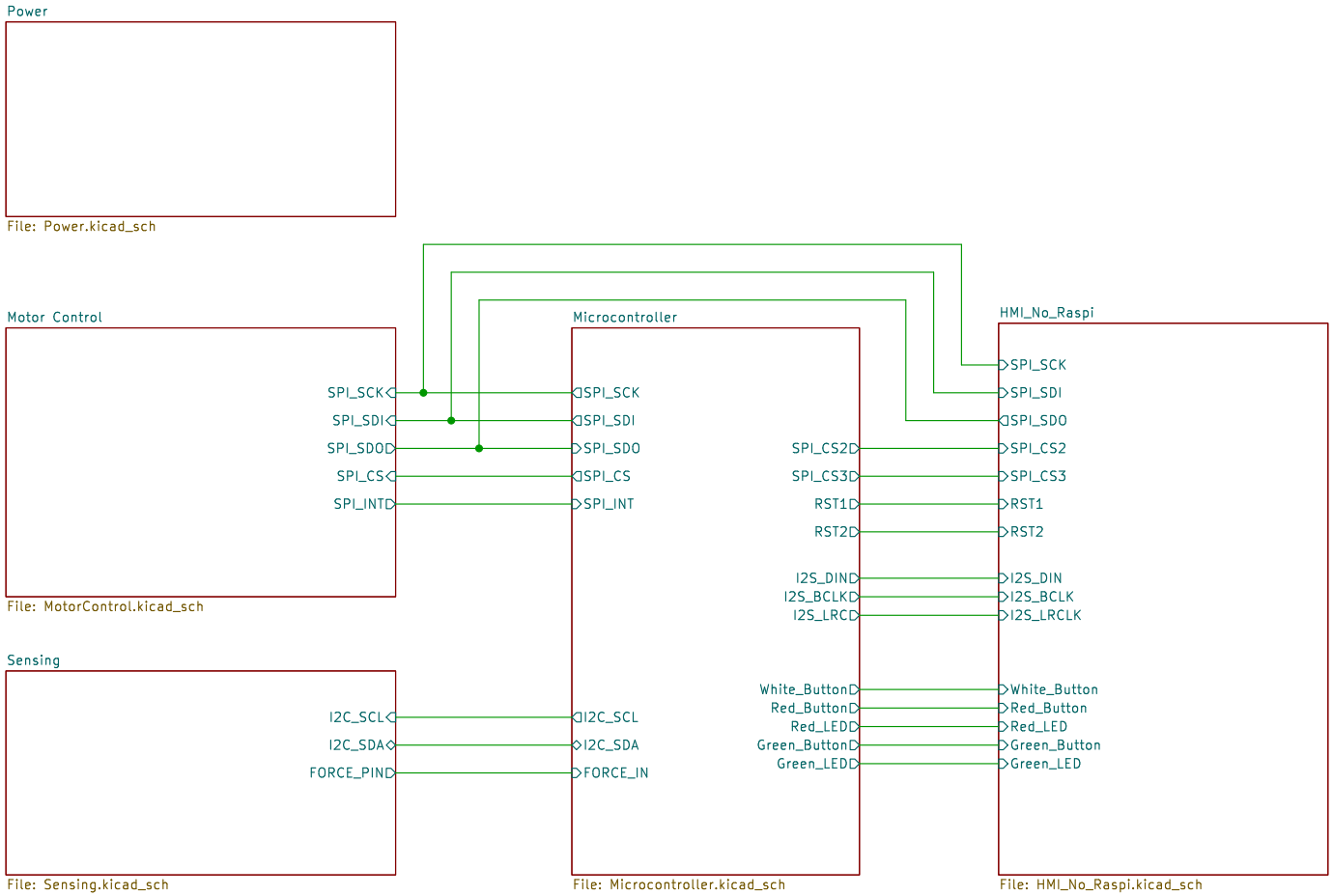

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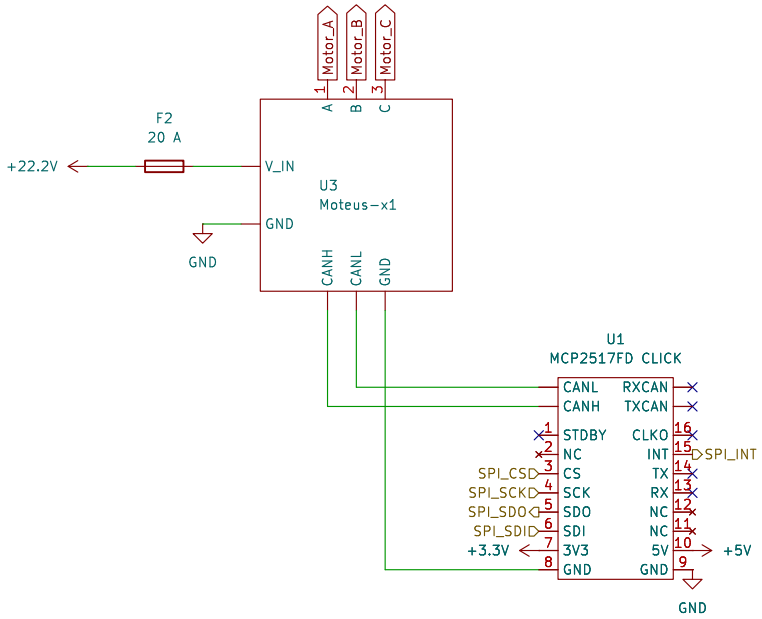
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.4		Id: 1/6



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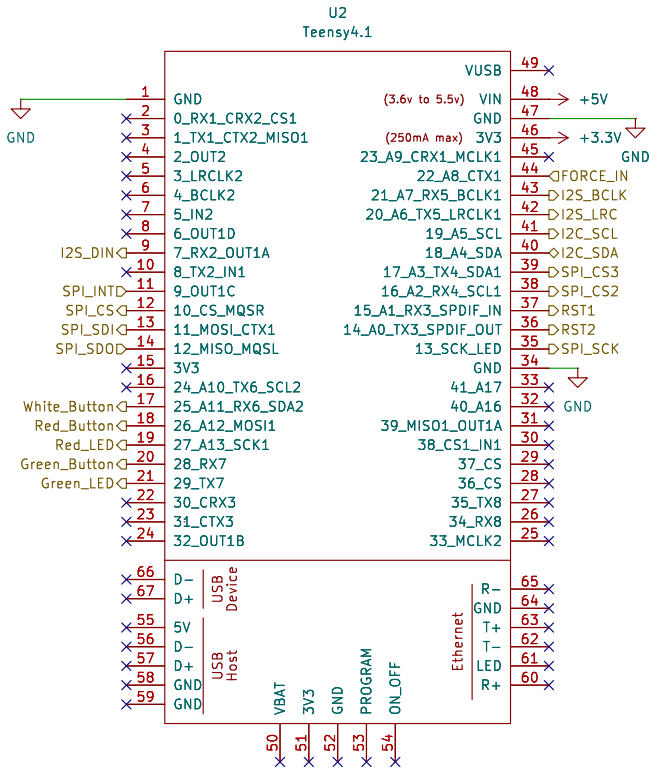
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.4		Id: 2/6

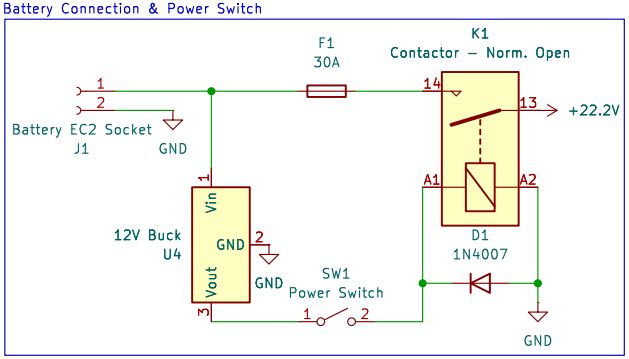


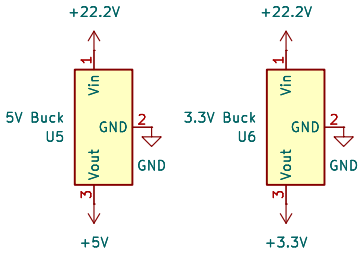
Sheet: /Microcontroller/
File: Microcontroller.kicad_sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.4		Id: 3/6

Battery Connection & Power Switch





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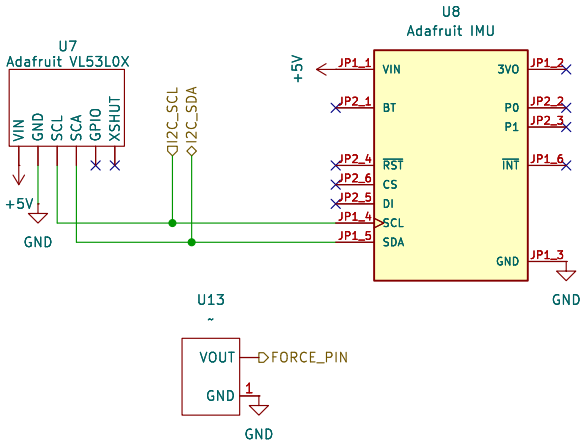
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.4		Id: 5/6



Sheet: /Sensing/
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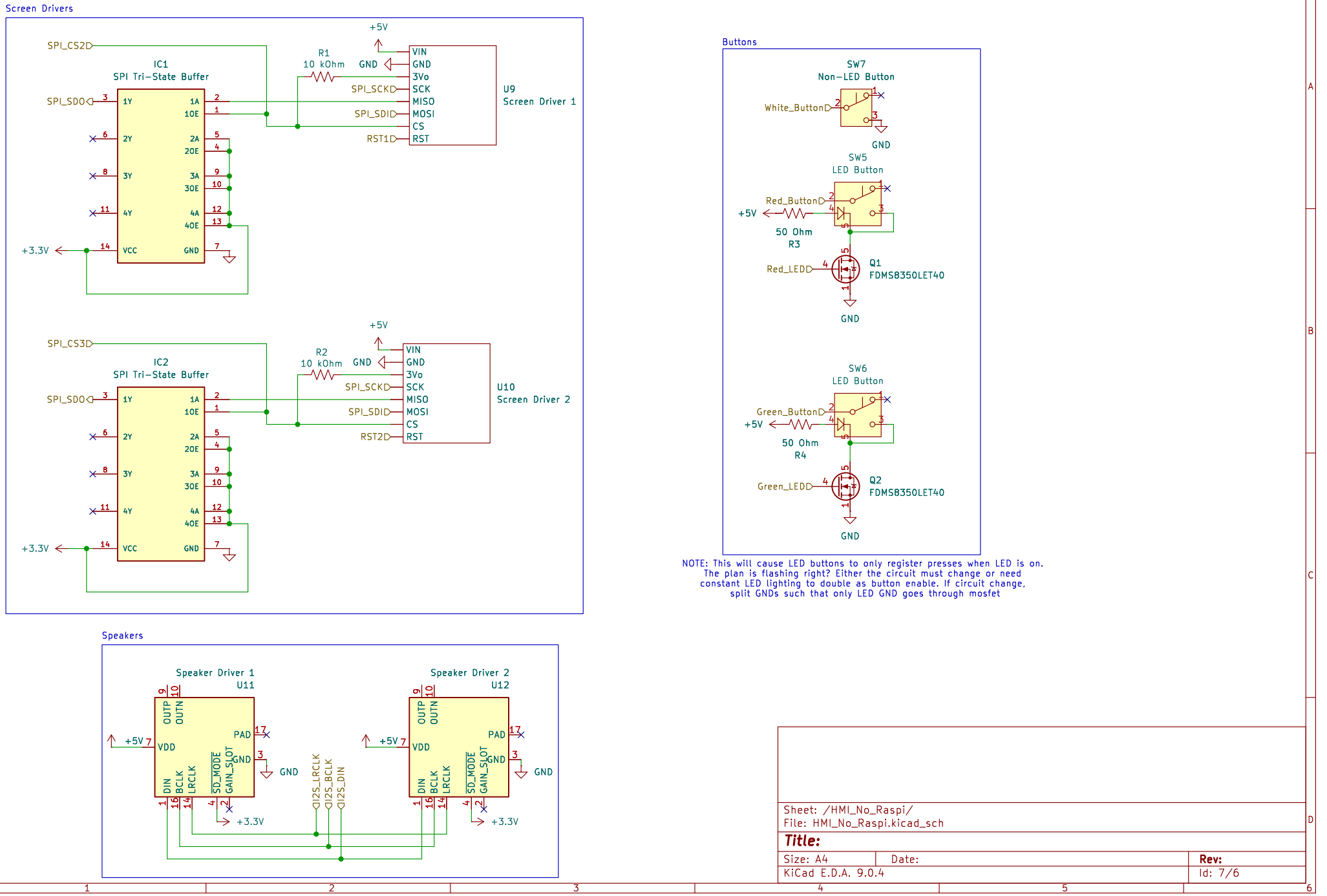
Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.4		Id: 6/6


Screen Drivers
SPI_CS2
IC1
SPI Tri-State Buffer
SPI_SDO
+3.3V
+5V
R1
10 kOhm
GND
SPI_SCK
SPI_SDI
RST1
VIN
GND
3Vo
SCK
MISO
MOSI
CS
RST
U9
Screen Driver 1
SPI_CS3
IC2
SPI Tri-State Buffer
R2
10 kOhm
RST2
U10
Screen Driver 2
Buttons
SW7
Non-LED Button
White_Button
SW5
LED Button
Red_Button
50 Ohm
R3
Red_LED
Q1
FDMS8350LET40
SW6
LED Button
Green_Button
50 Ohm
R4
Green_LED
Q2
FDMS8350LET40
NOTE: This will cause LED buttons to only register presses when LED is on.
The plan is flashing right? Either the circuit must change or need
constant LED lighting to double as button enable. If circuit change,
split GNDs such that only LED GND goes through mosfet
Speakers
Speaker Driver 1
U11
Speaker Driver 2
U12
OUTP
OUTN
VDD
PAD
GND
DIN
BCLK
LRCLK
SD_MODE
GAIN_SLOT
I2S_LRCLK
I2S_BCLK
I2S_DIN
Sheet: /HMI_No_Raspi/
File: HMI_No_Raspi.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. 9.0.4
Id: 7/6