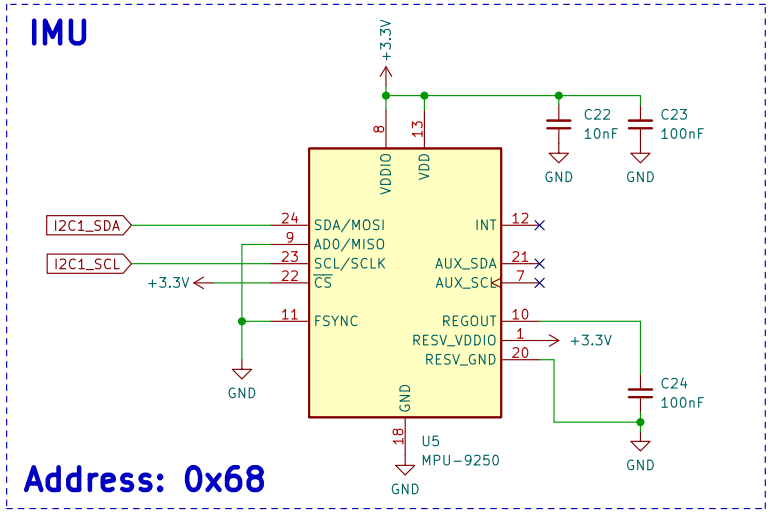


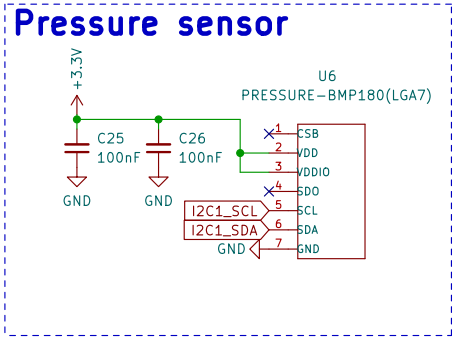


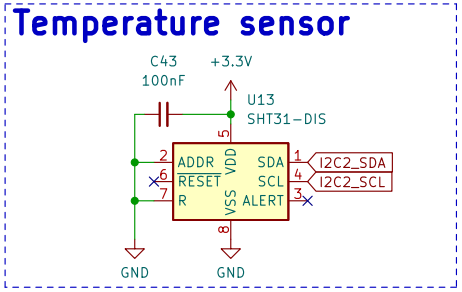


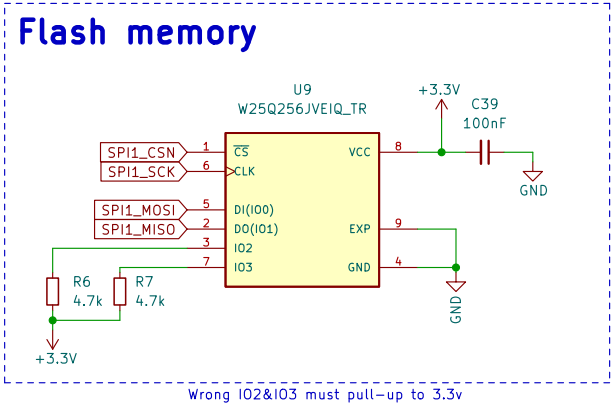


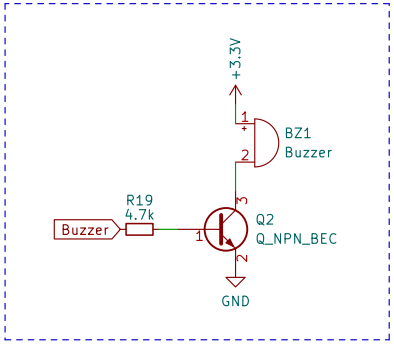


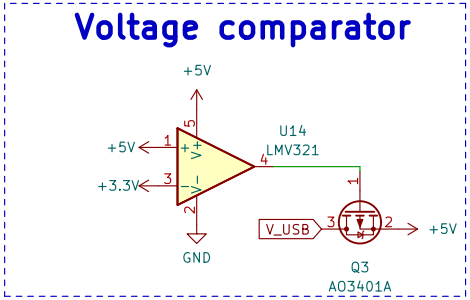

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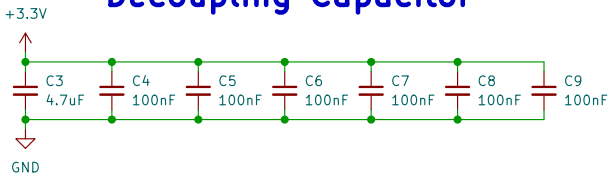
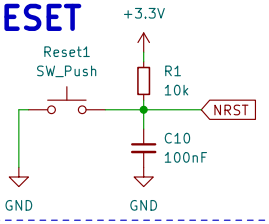
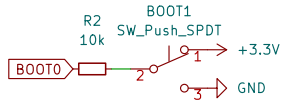
## Decoupling Capacitor



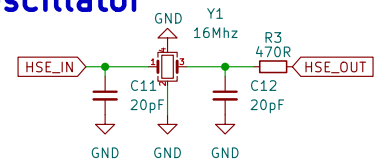

## RESET

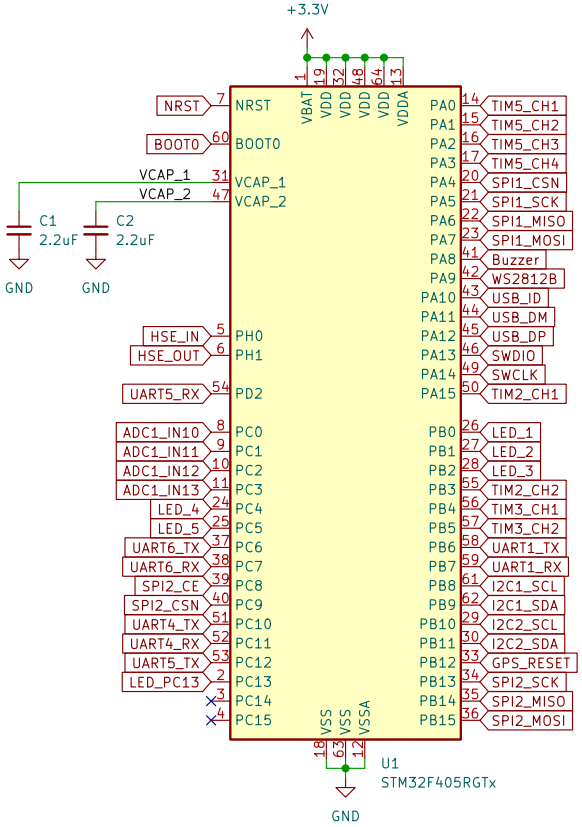



## Boot

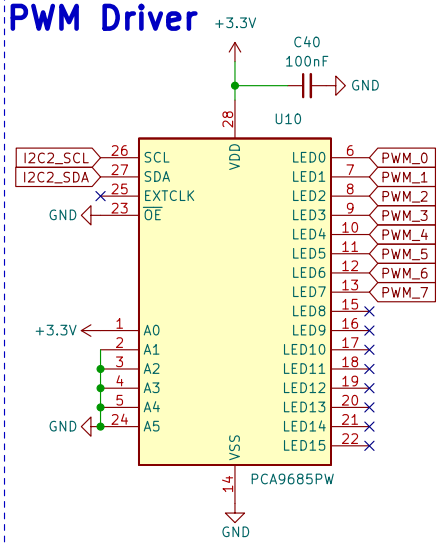



## Oscillator




## PWM Driver

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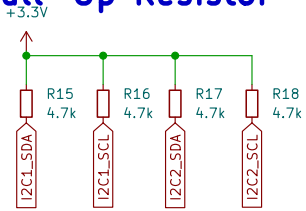
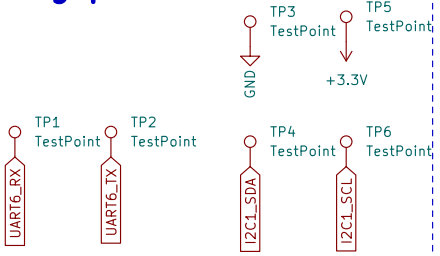
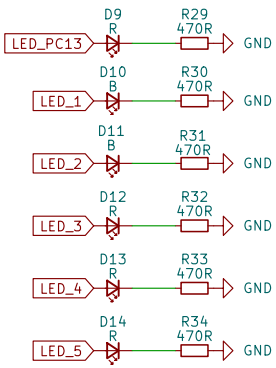
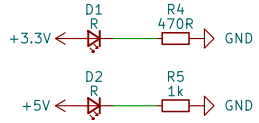
## I2C Pull-Up Resistor




## Testing point

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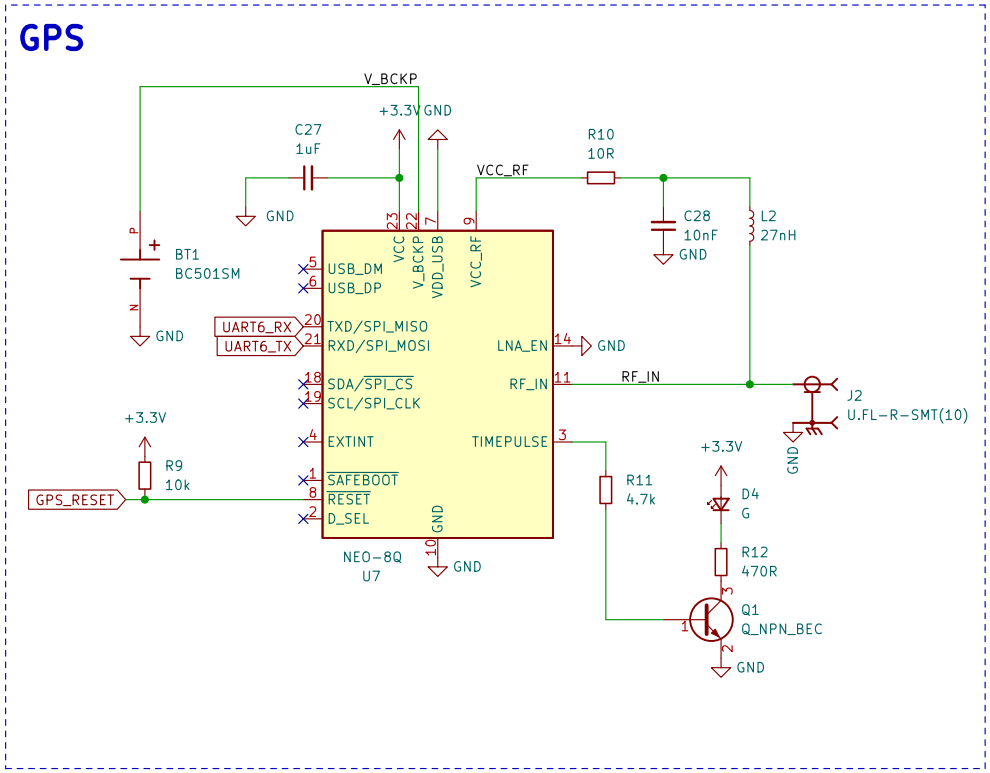
## GPS

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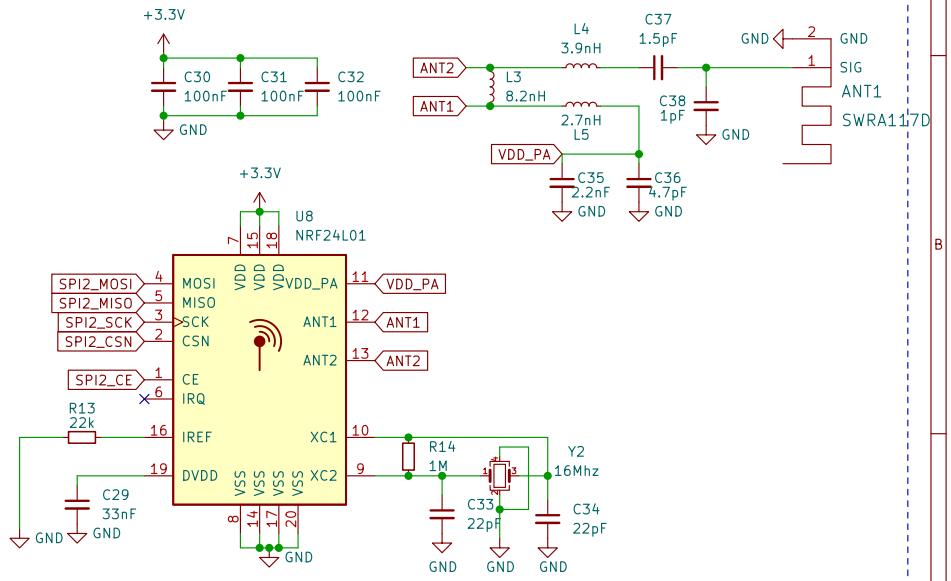


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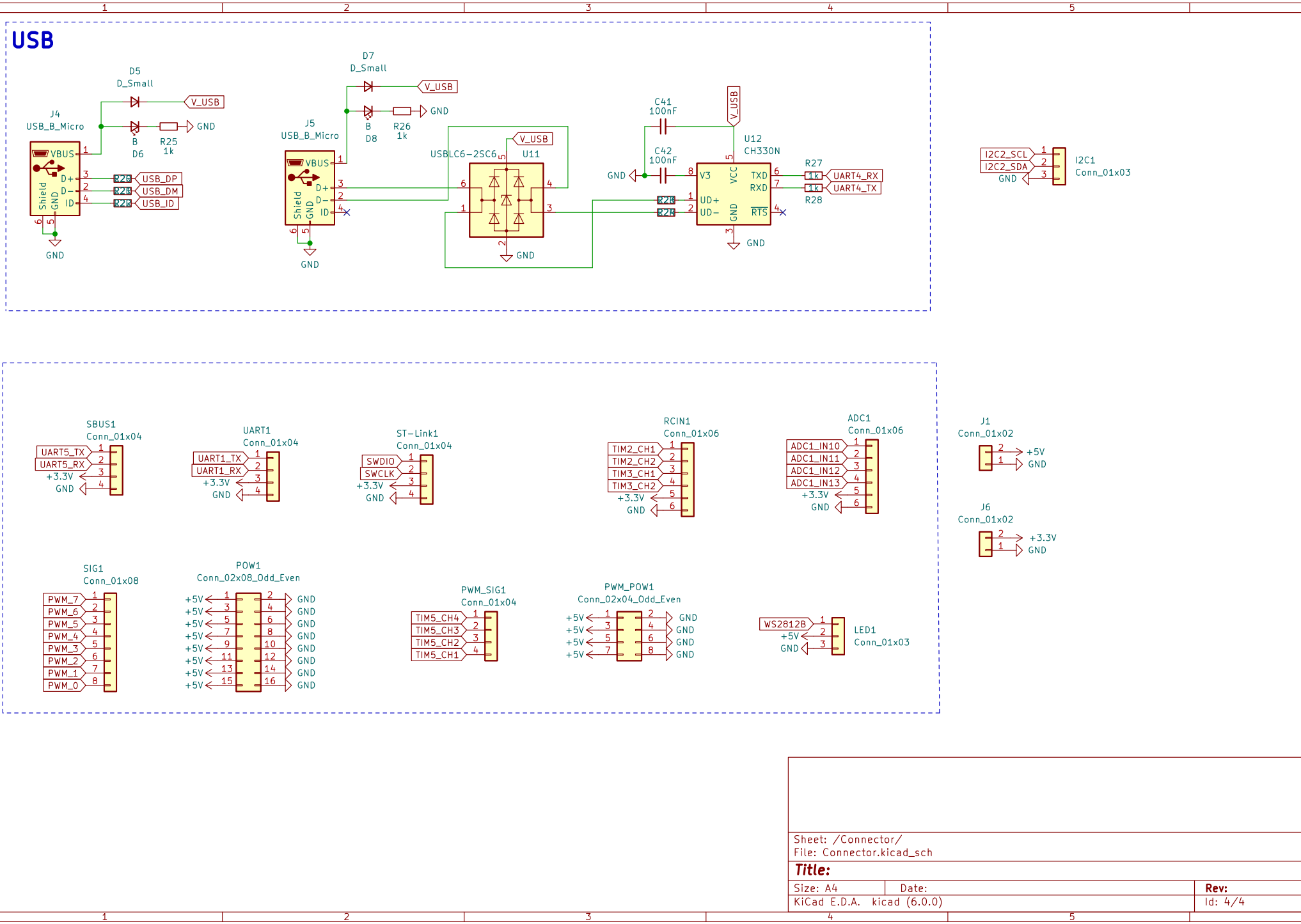
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V_USB
J4
USB_B_Micro
B
D6
R25
1k
GND
VBUS
D+
D−
ID
Shield
GND
R26
R26
R26
USB_DP
USB_DM
USB_ID
GND
D7
D_Small
V_USB
J5
USB_B_Micro
B
D8
R26
1k
GND
VBUS
D+
D−
ID
Shield
GND
GND
USBLC6−2SC6
U11
V_USB
GND
C41
100nF
C42
100nF
V_USB
U12
CH330N
V3
VCC
UD+
UD−
GND
TXD
RXD
RTS
R27
1k
R28
1k
UART4_RX
UART4_TX
GND
I2C2_SCL
I2C2_SDA
GND
I2C1
Conn_01x03
SBUS1
Conn_01x04
UART5_TX
UART5_RX
+3.3V
GND
UART1
Conn_01x04
UART1_TX
UART1_RX
+3.3V
GND
ST−Link1
Conn_01x04
SWDIO
SWCLK
+3.3V
GND
RCIN1
Conn_01x06
TIM2_CH1
TIM2_CH2
TIM3_CH1
TIM3_CH2
+3.3V
GND
ADC1
Conn_01x06
ADC1_IN10
ADC1_IN11
ADC1_IN12
ADC1_IN13
+3.3V
GND
J1
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+5V
GND
J6
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+3.3V
GND
SIG1
Conn_01x08
PWM_7
PWM_6
PWM_5
PWM_4
PWM_3
PWM_2
PWM_1
PWM_0
POW1
Conn_02x08_Odd_Even
+5V
GND
PWM_SIG1
Conn_01x04
TIM5_CH4
TIM5_CH3
TIM5_CH2
TIM5_CH1
PWM_POW1
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WS2812B
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GND
LED1
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