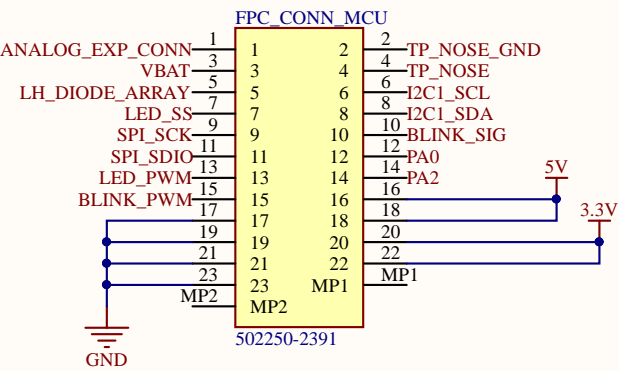
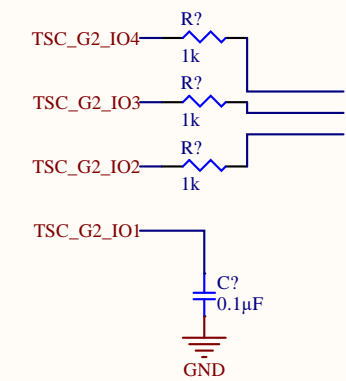
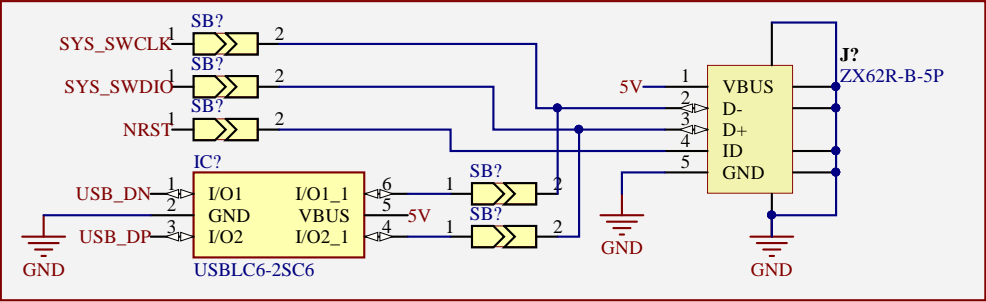


TOUCH SENSING HEADERS



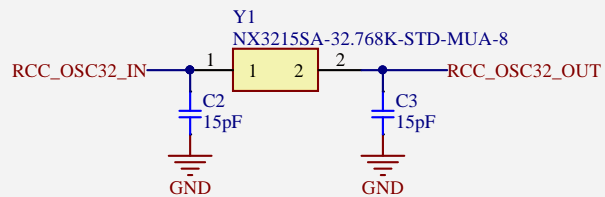
Note: reduce sampling capacitor if less sensitivity and fast acquisition time is needed
Note: do not use tantalium capacitors (per ST)
Note: reduce the capacitor on TSC_G2_I01 to increase sensitivity

PROGRAMMER USB BREAKOUT



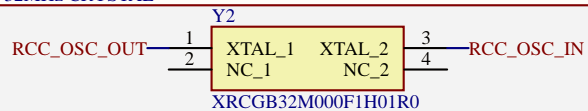
Title		
EXTERNAL CONNECTORS		
Size	Number	Revision
A		
Date:	6/10/2019	Sheet of
File:	C:\Users\...\Sch_external_connectors.SchDoc	Drawn By:

LOW SPEED CLOCK (LFE) OSCILLATOR

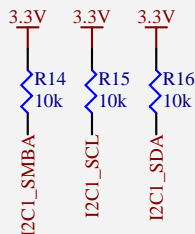


Note: oscillator may not be necessary for this design

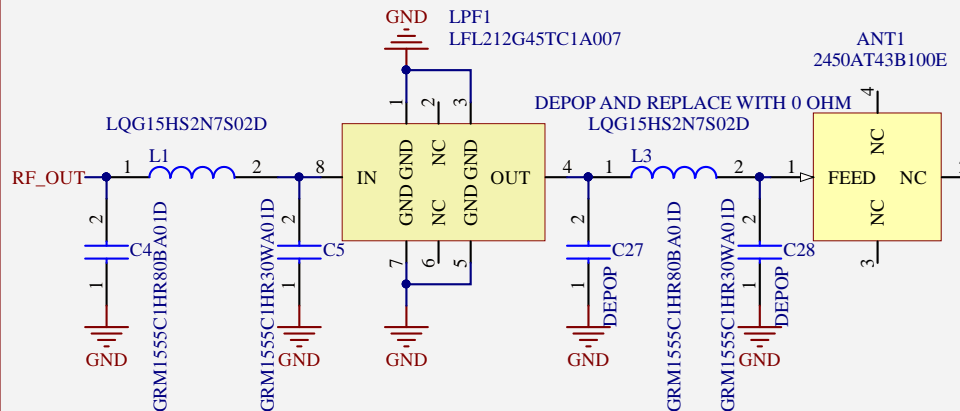
RF 32MHz CRYSTAL



I2C PULLUP



RF FRONT END



A

A

B

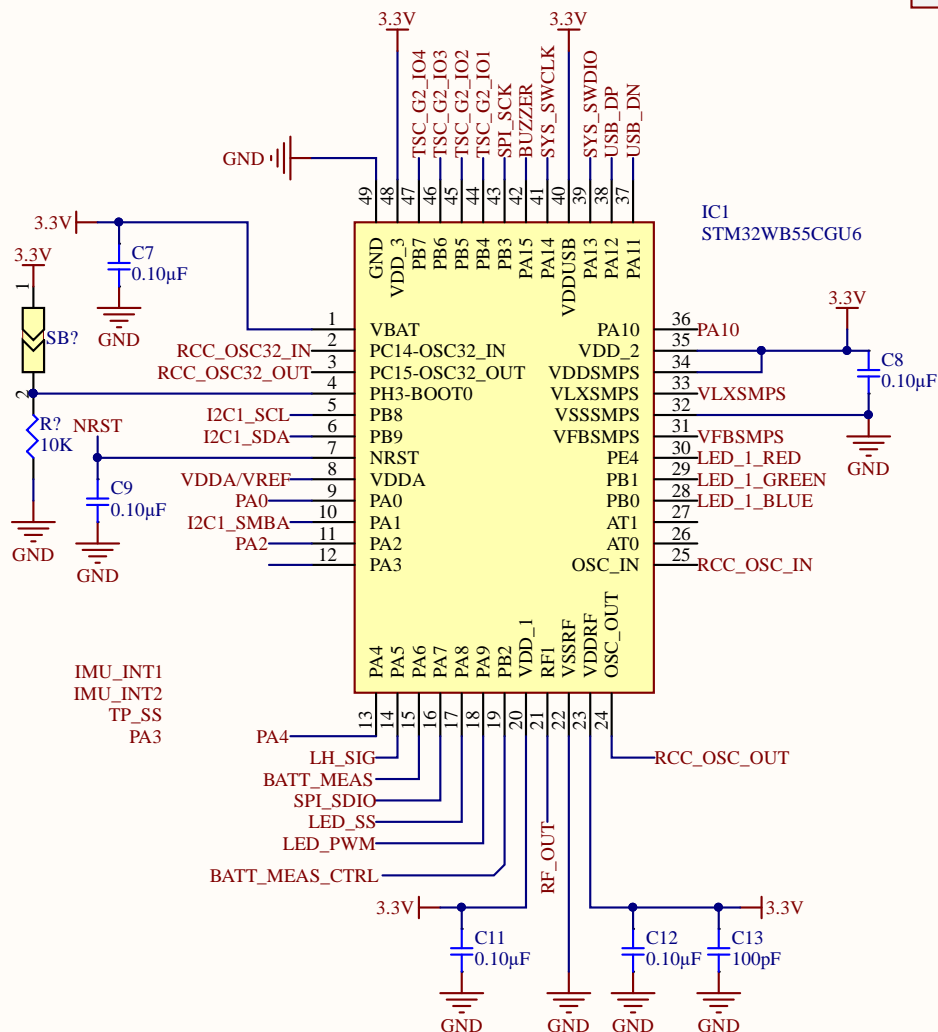
B

C

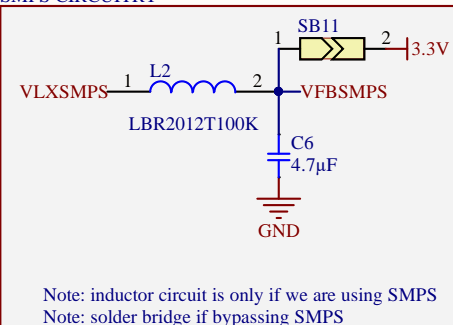
C

D

D

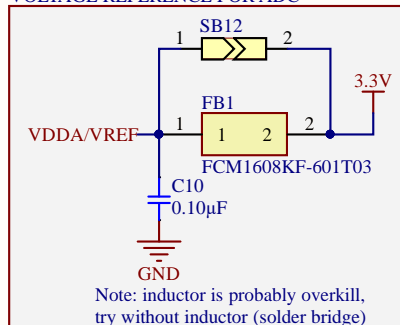


SMPS CIRCUITRY



Note: inductor circuit is only if we are using SMPS
Note: solder bridge if bypassing SMPS

VOLTAGE REFERENCE FOR ADC

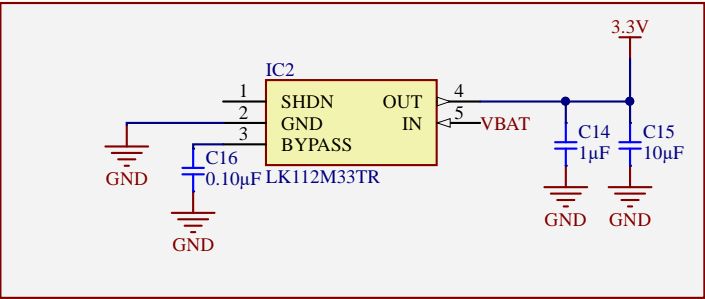


Note: inductor is probably overkill,
try without inductor (solder bridge)

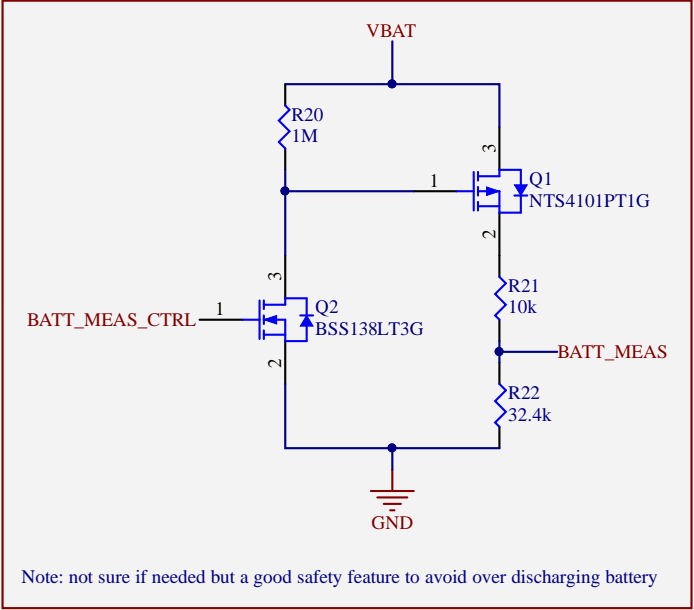
Title
MICROCONTROLLER

Size	Number	Revision
A		
Date:	6/10/2019	Sheet of
File:	C:\Users\...\Sch_mcu.SchDoc	Drawn By:

POWER REGULATION

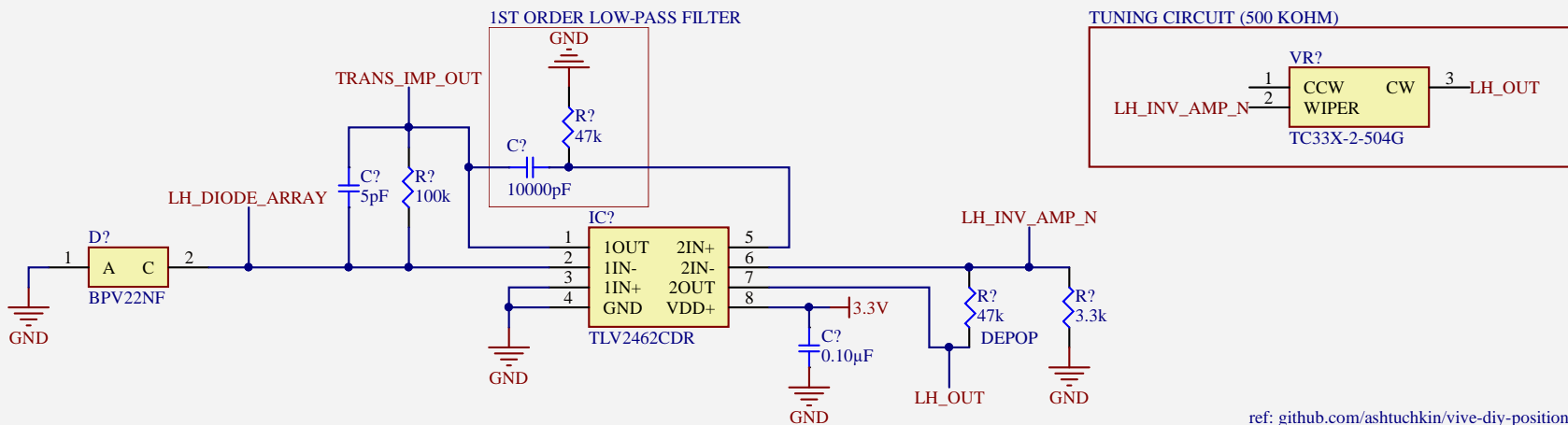


BATTERY MONITOR



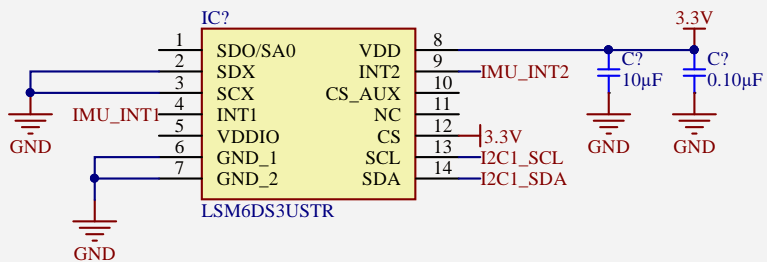
Title			POWER
Size	Number	Revision	
A			
Date:	6/10/2019	Sheet of	
File:	C:\Users\...\Sch_pwr.SchDoc	Drawn By:	

TUNING CIRCUIT (500 KOHM)

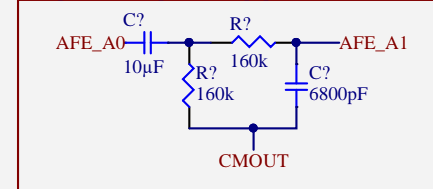
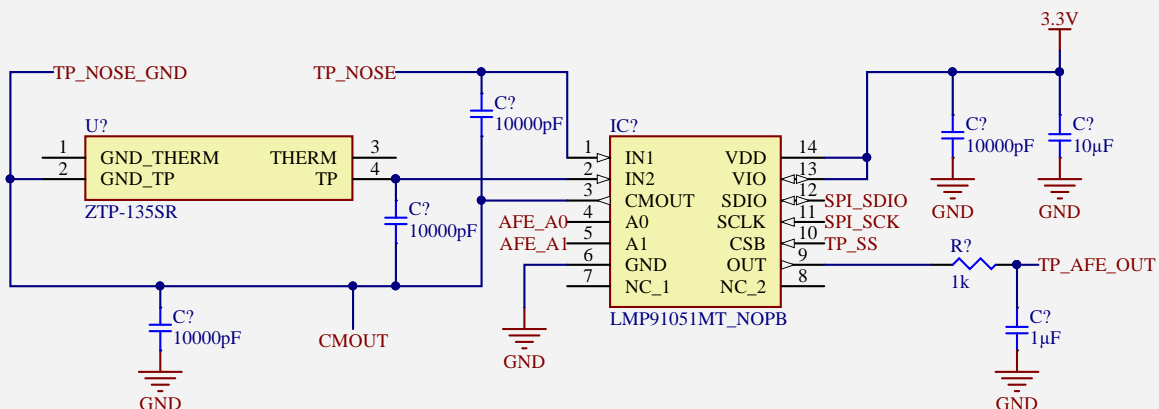


ref: github.com/ashtuchkin/vive-diy-position-sensor

Bandpass Filter (optional / depop)



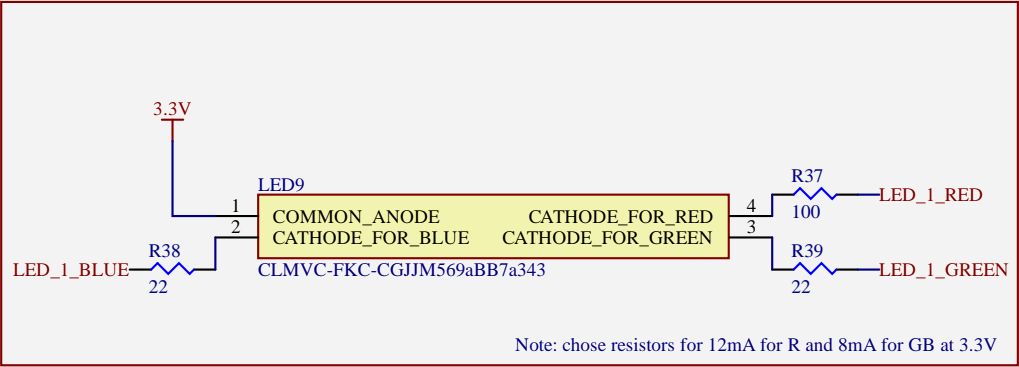
Bandpass Filter (optional / depop)



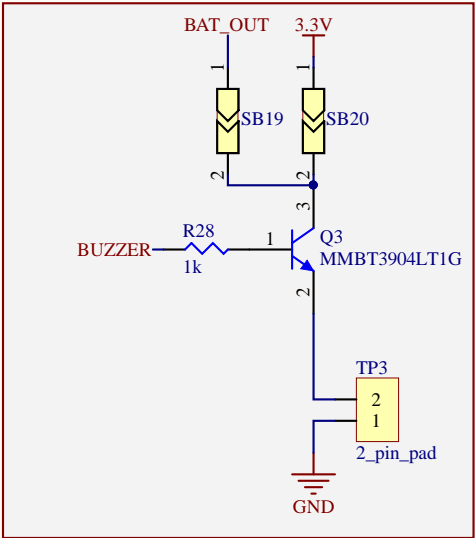
Title	SENSORS
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Size A	Number	Revision
Date:	6/10/2019	Sheet of
File:	C:\Users\...\Sch_sensors.SchDoc	Drawn By:

RGB LED



BUZZER



Title USER INTERACTION		
Size A	Number	Revision
Date: 6/10/2019	Sheet of	
File: C:\Users\...\Sch_ui.SchDoc	Drawn By:	

