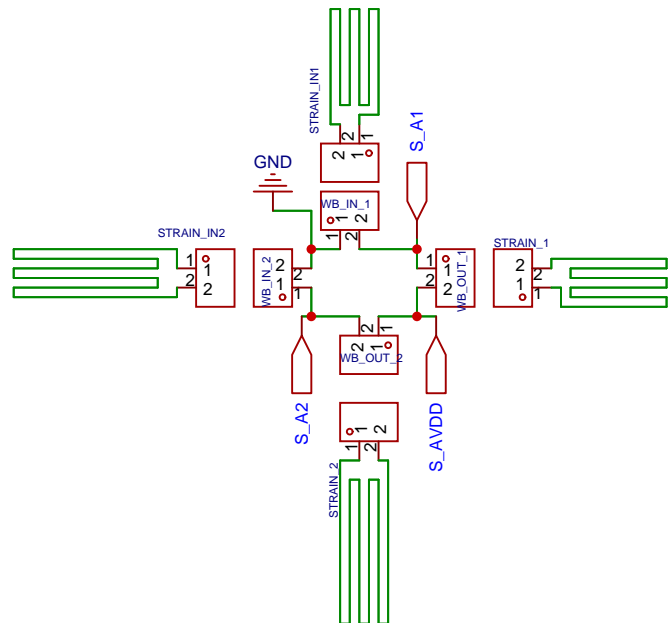
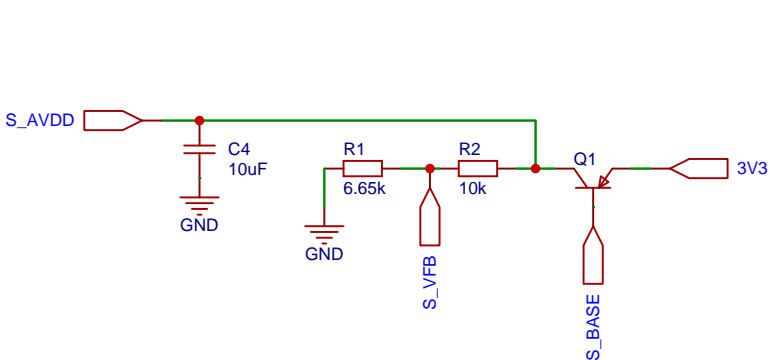


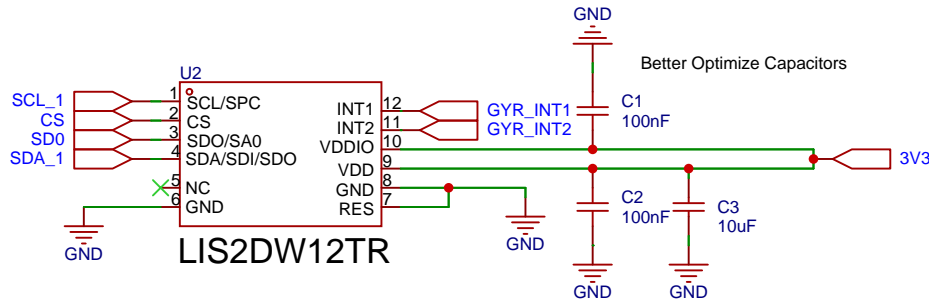
Wheatstone bridge



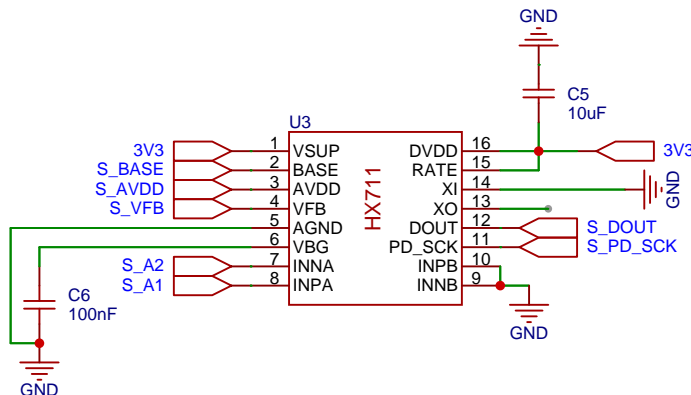
Voltage divider to set analog reference voltage



Gyroscope Sensor



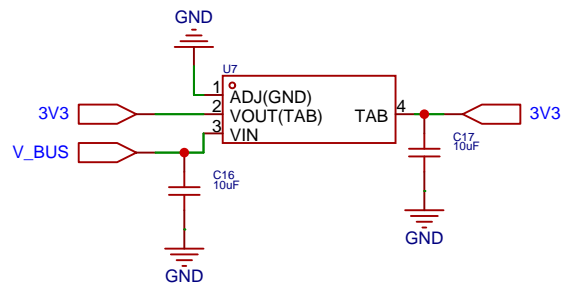
Loadcell Amplifier



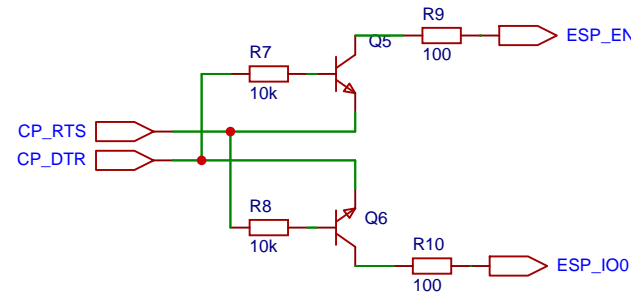
V0.2
- Connected Loadcell AMP to Ground (was floating AGND not connected to GND)
- four layers used to make wheatstone bridge instead of previous config of a selective and balanced one
- removed trim resistors
- replaced 3.3v buck from battery with design that is more compact

Schematic	Strain Gauge Paddle			Update Date	2024-04-06
				Create Date	2023-10-29
Page	Gyroscope and Strain Guage			Part Number	JLPCB-002
Drawn	EasyEDA Pro	Strain Gauge Paddle			
Reviewed	EasyEDA Pro				
		VER	SIZE	PAGE	2 OF 3
		V0.2	A4	EasyEDA.com	

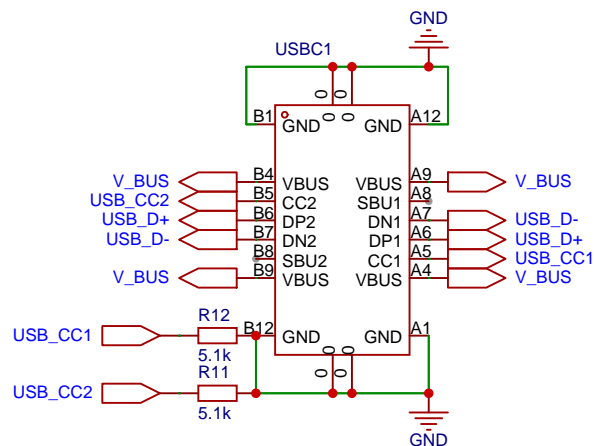
LDO for 3V3 from USB when programming



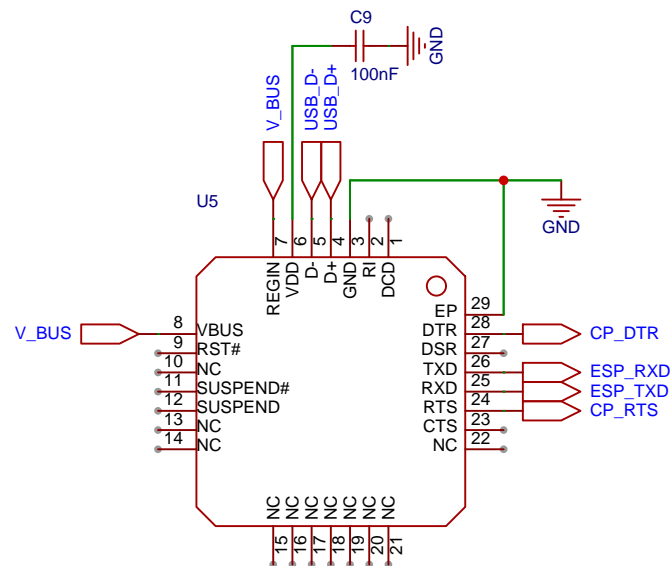
Magical Reset ESP when USB programming



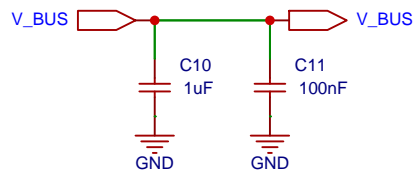
USB C Connector



CP2102 USB <--> Serial



CP2102 Decoupling



Schematic	Strain Gauge Paddle			Update Date	2023-11-11
				Create Date	2023-11-12
Page	P3			Part Number	JLCPCB-002
Drawn	EasyEDA Pro	Strain Gauge Paddle			
Reviewed	EasyEDA Pro				
		VER	SIZE	PAGE	3 OF 3
		V0.1	A4	EasyEDA.com	