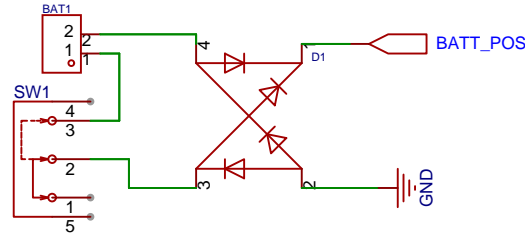
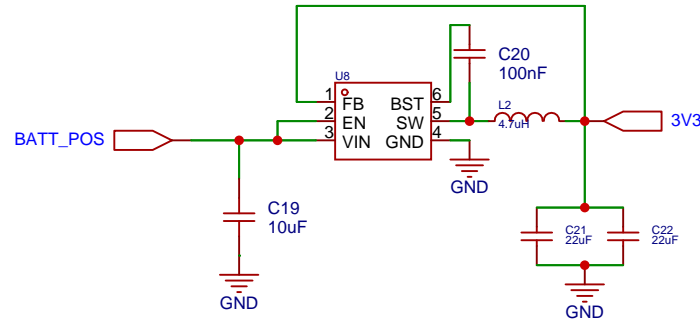


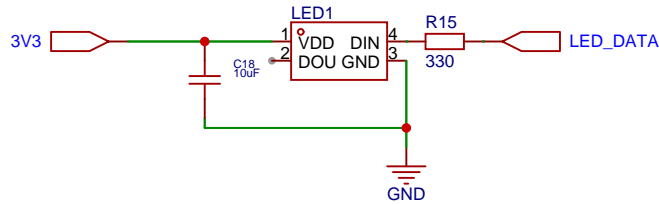
9v battery input



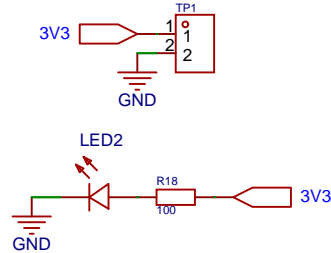
Buck Converter (12v Max)



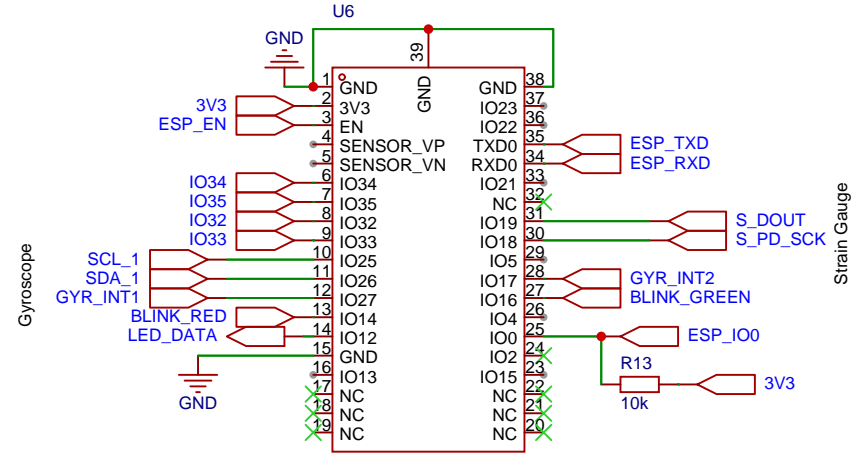
Blinky Fun



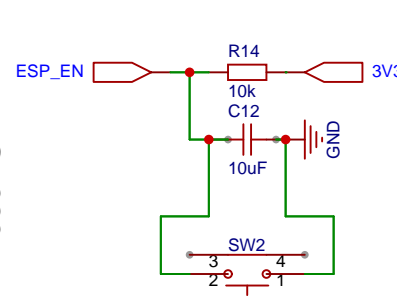
Test Point and Status LED



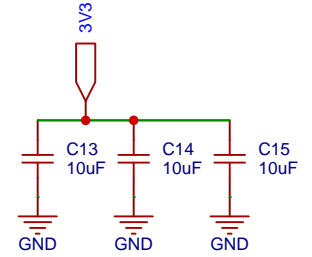
ESP32 and Connections



Reset SW

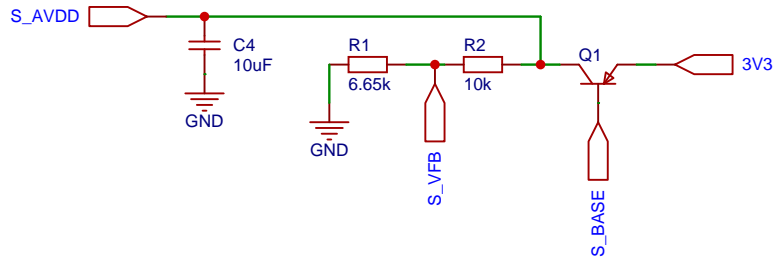


ESP Decoupler Caps

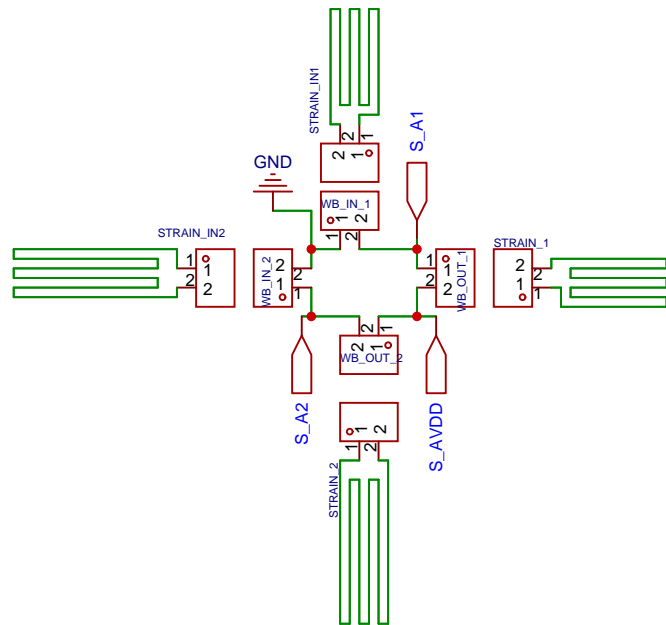


Schematic	Strain Gauge Paddle		Update Date	2024-03-12
			Create Date	2023-10-29
Page	ESP and Power		Part Number	JLPCB-002
Drawn	EasyEDA Pro	Strain Gauge Paddle		
Reviewed	EasyEDA Pro			
		VER	SIZE	PAGE 1 OF 3
		V0.1	A4	EasyEDA.com

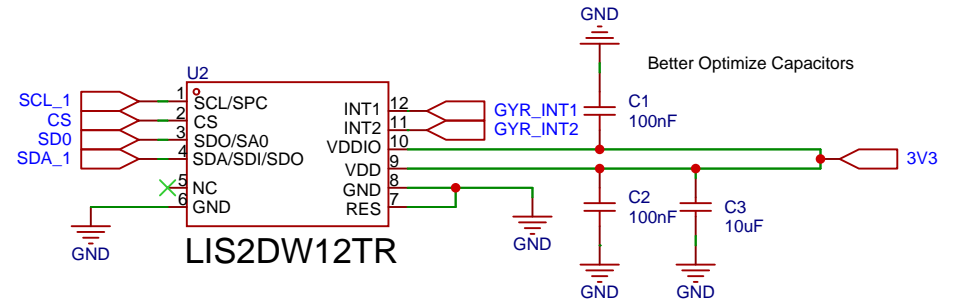
Voltage divider to set analog reference voltage



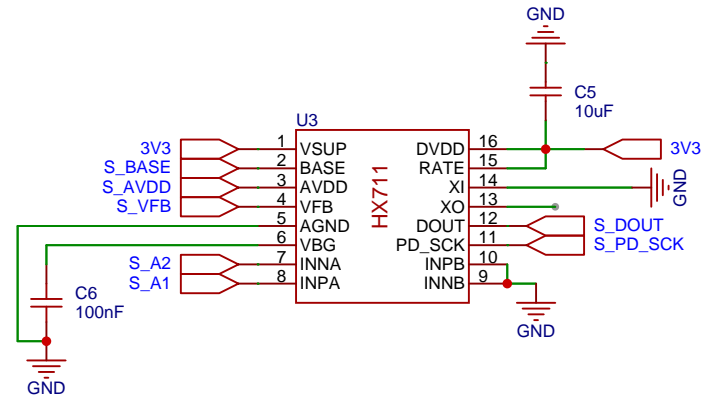
Wheatstone bridge



Gyroscope Sensor



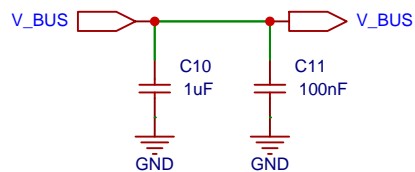
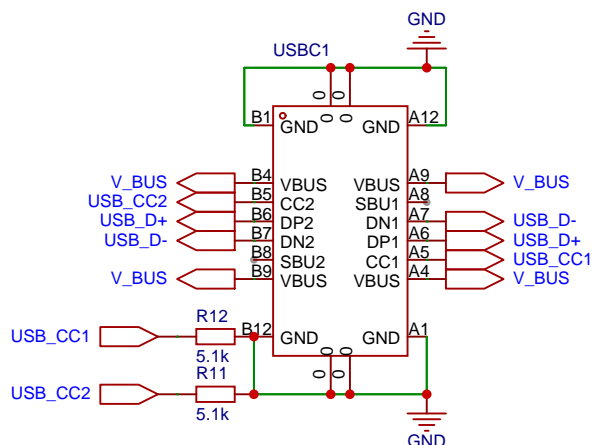
Loadcell Amplifier



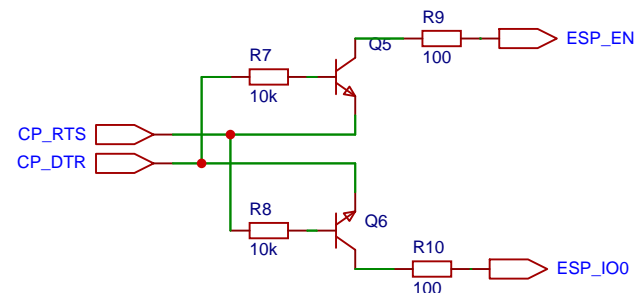
- V0.2
- Connected Loadcell AMP to Ground (was floating AGND not connected to GND)
 - four layers used to make wheatstone bridge instead of previous config of a selective and balanced one
 - removed trim resistors
 - replaced 3.3v buck from battery with design that is more compact

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
EasyEDA		V0.2	A4	EasyEDA.com	

CP2102 Decoupling



Magical Reset ESP when USB programming



CP2102 USB <--> Serial

