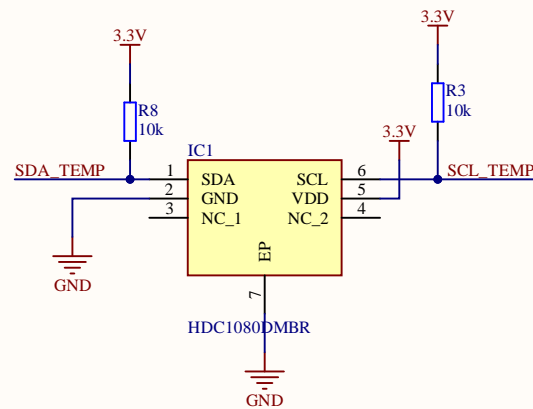
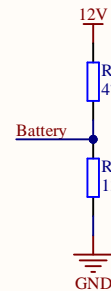


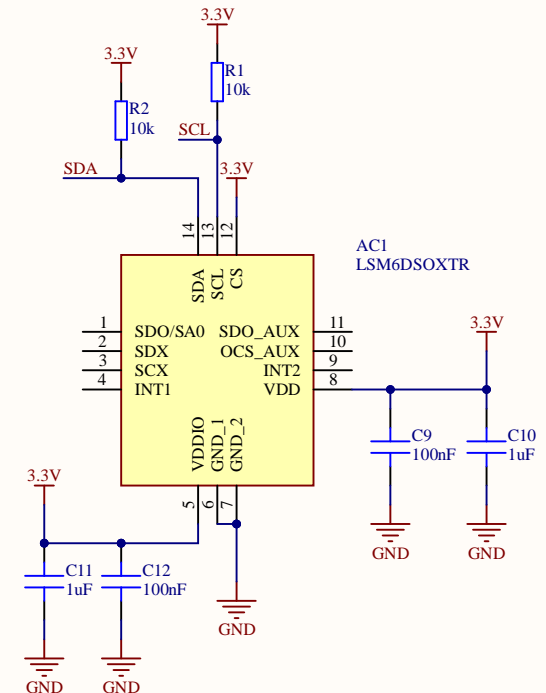
## Temperature sensor



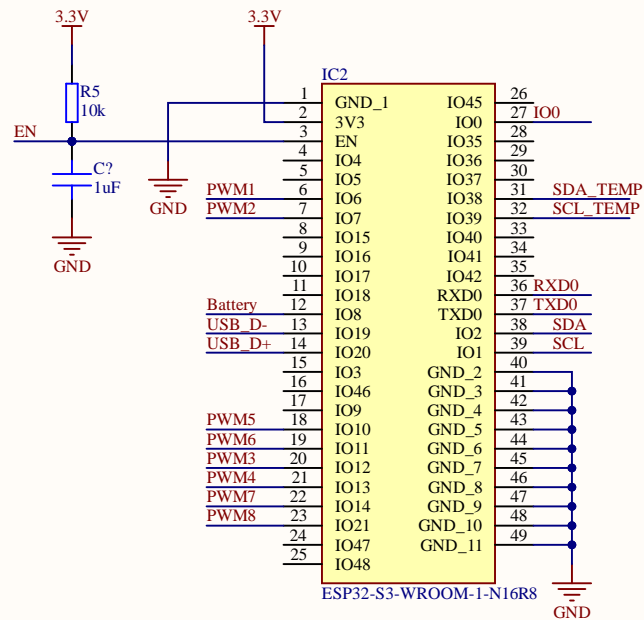
## Voltage measure



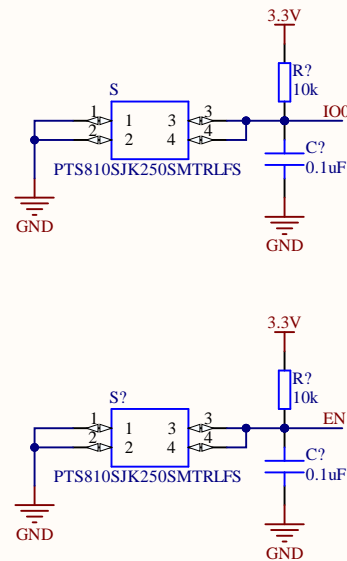
## Accelerometer with gyroscope



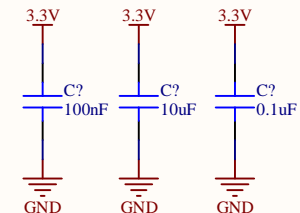
## MCU ESP-32-S3



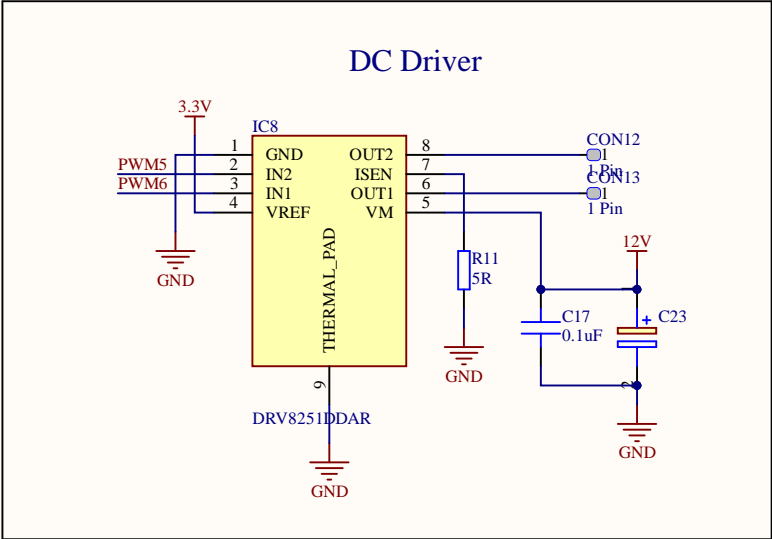
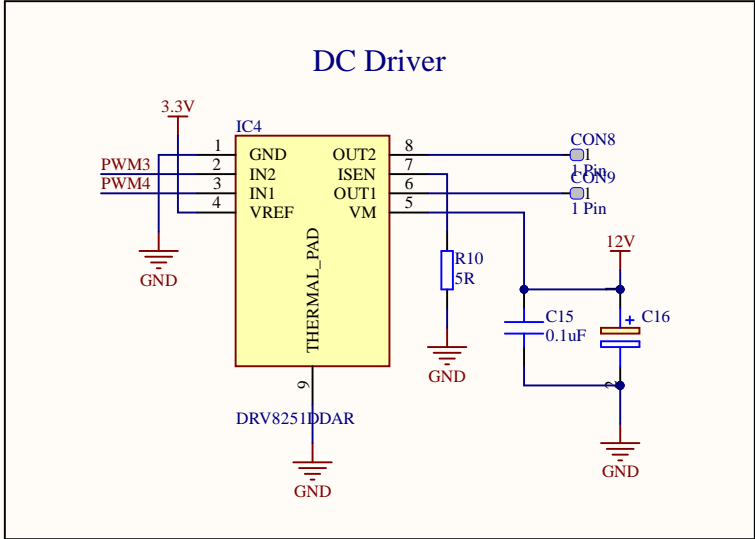
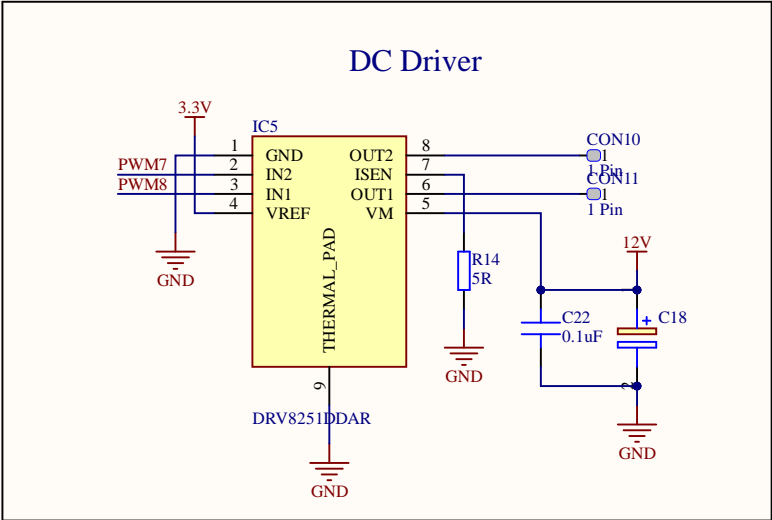
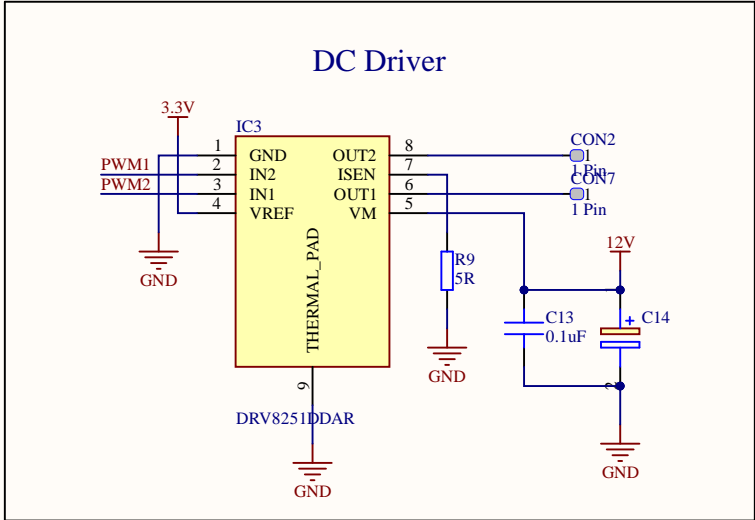
## Buttons



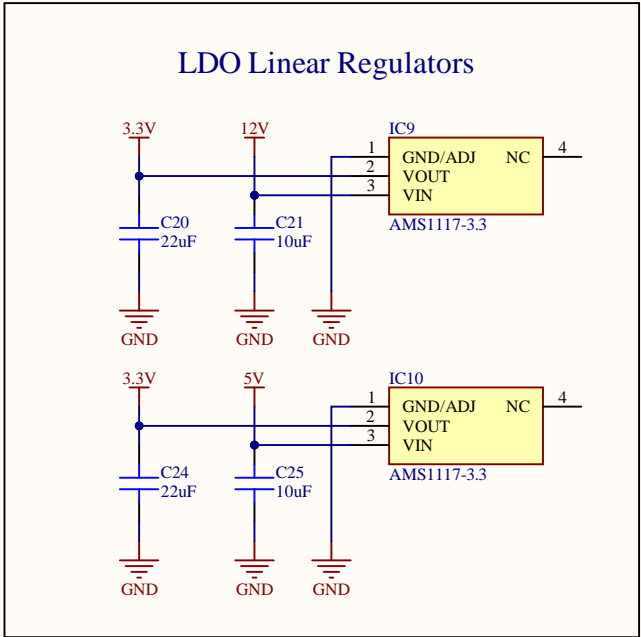
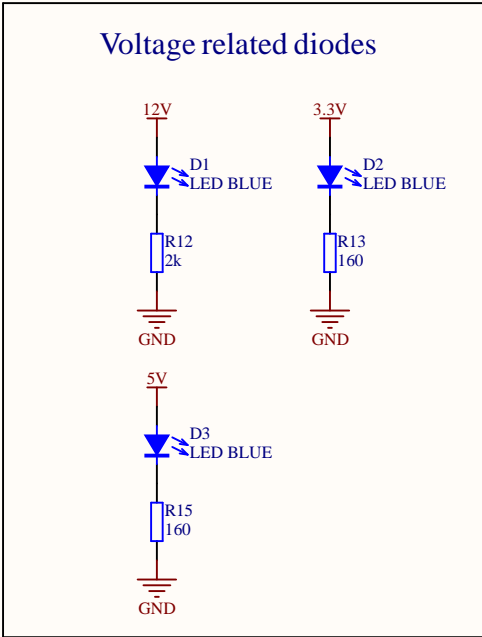
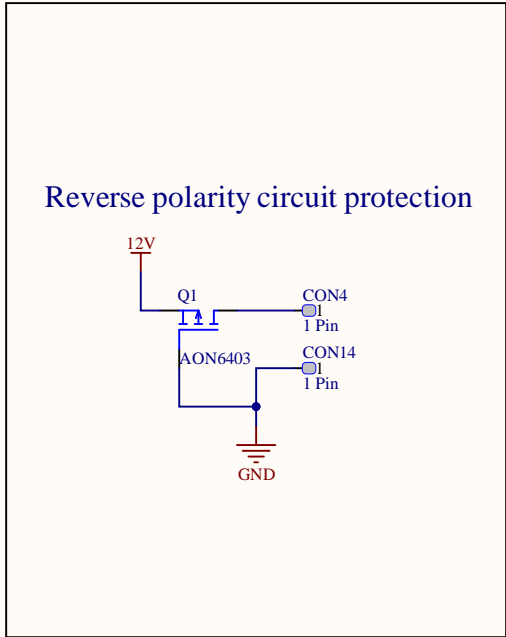
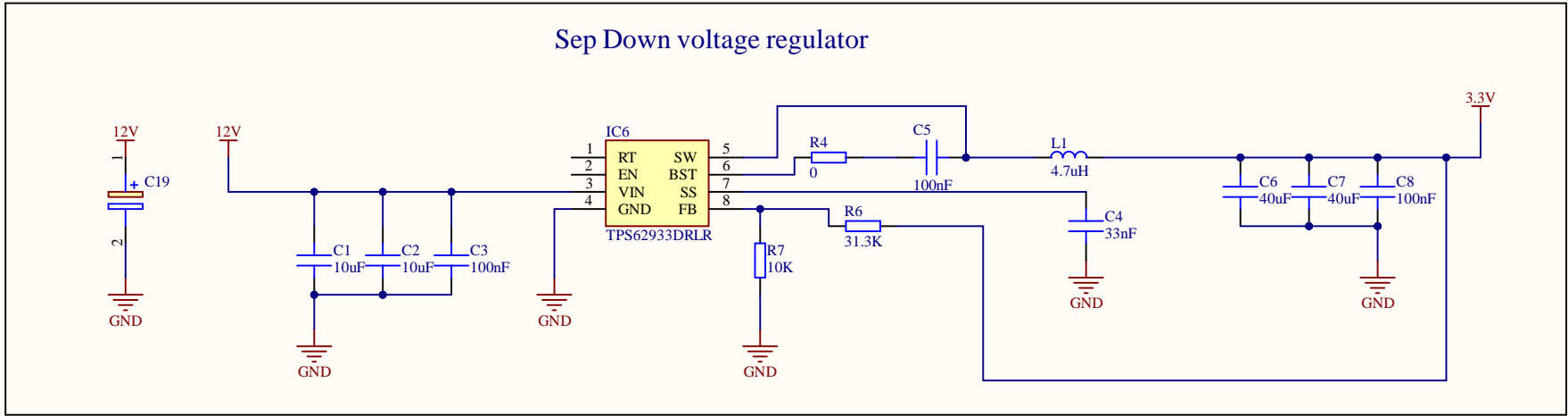
## MCU filtration



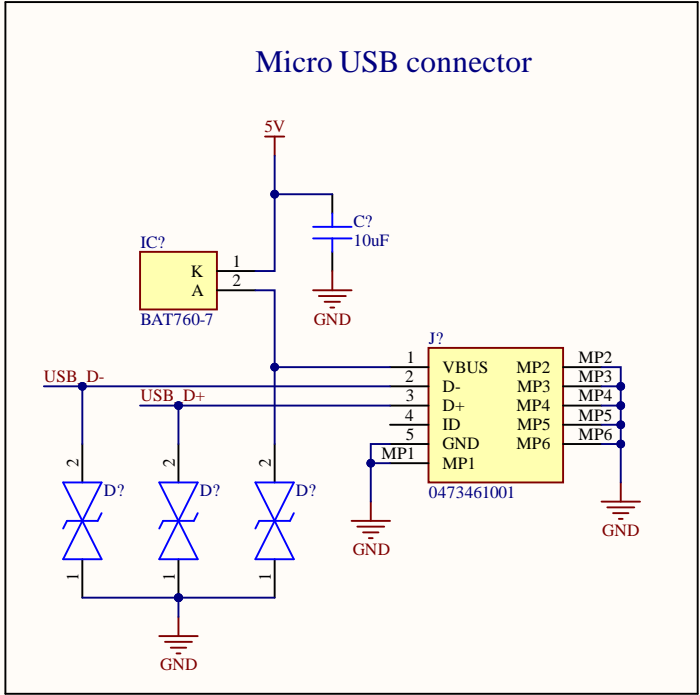
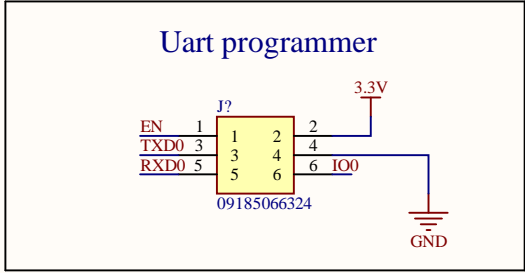
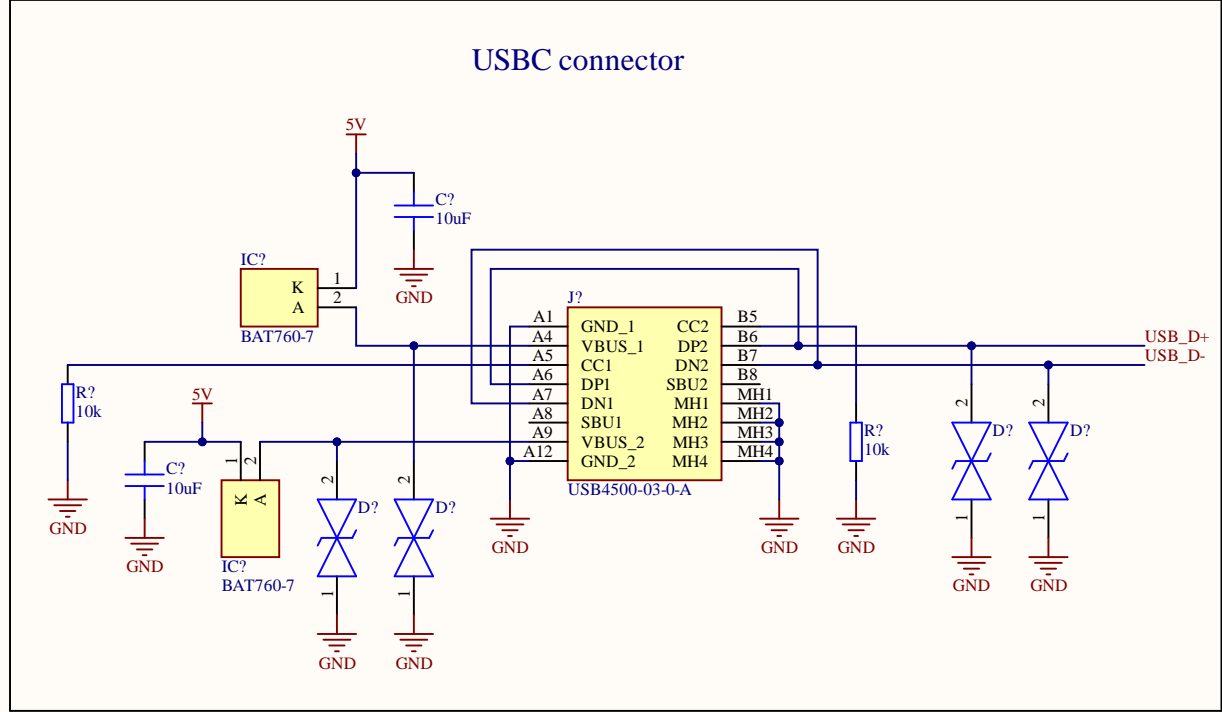
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Title		
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Comment	Description	Designator	Footprint	LibRef	Quantity
LSM6DSOXTR	Accelerometer	AC1	LGA-14_1	LSM6DSOXTR	1
10uF	MLCC Capacitor	C1, C2	C 1206	Capacitor	2
100nF	MLCC Capacitor	C3, C8	C 0603	Capacitor	2
33nF	MLCC Capacitor	C4	C 0402	Capacitor	1
100nF	MLCC Capacitor	C5, C9, C12, C?	C 0402	Capacitor	4
40uF	MLCC Capacitor	C6, C7	C 1206	Capacitor	2
1uF	MLCC Capacitor	C10, C11, C?	C 0402	Capacitor	3
0.1uF	MLCC Capacitor	C13, C17, C22, C?	C 0402	Capacitor	6
UVY1V101MED1TD	Capacitor Polarised	C14, C16, C18, C19, C23	CAPPRD250W50D655 H1250	UVY1V101MED1TD	5
0.1uF	MLCC Capacitor	C15	C 0603	Capacitor	1
22uF	MLCC Capacitor	C20, C24	C 0805	Capacitor	2
10uF	MLCC Capacitor	C21, C25	C 0805	Capacitor	2
10uF	MLCC Capacitor	C?	C 0402	Capacitor	4
1 Pin		CON2, CON4, CON7, CON8, CON9, CON10, CON11, CON12, CON13, CON14	SMD PAD	1 Pin	10
LED BLUE		D1, D2, D3	LED 0603 BLUE	LED BLUE	3
LESD5D5.0CT1G	TVS Diode (Bi-directional)	D?	LESD5D50CT1G	LESD5D5.0CT1G	7
HDC1080DMBR	Integrated Circuit	IC1	SON100P300X300X80-7N-D	HDC1080DMBR	1
ESP32-S3-WROOM-1-N16R8	Integrated Circuit	IC2	ESP32S3WROOM1N16R8	ESP32-S3-WROOM-1-N16R8	1
DRV8251DDAR	Integrated Circuit	IC3, IC4, IC5, IC8	SOIC127P600X170-9N	DRV8251DDAR	4
TPS62933DRLR	Integrated Circuit	IC6	SOTFL50P160X60-8N	TPS62933DRLR	1
AMS1117-3.3	Integrated Circuit	IC9, IC10	SOT229P700X180-4N	AMS1117-3.3	2
BAT760-7	Integrated Circuit	IC?	SOD2513X120N	BAT760-7	3
0473461001	Connector	J?	0473461001	0473461001	1
09185066324	Connector	J?	09185066324	09185066324	1
USB4500-03-0-A	Connector	J?	USB4500030A	USB4500-03-0-A	1
4.7uH	General pourpouse inductor	L1	HPI0630	Inductor	1
AON6403	P-Mosfet 30V 67A Rds(on) 3.1mR	Q1	DFN 5x6	AON6403	1
10k	General pourpouse resistor	R1, R2, R3, R5, R7, R8, R?	R 0402	Resistor	10
0	General pourpouse resistor	R4	R 0402	Resistor	1
31.3K	General pourpouse resistor	R6	R 0402	Resistor	1
5R	General pourpouse resistor	R9, R10, R11, R14	R 1206	Resistor	4
2k	General pourpouse resistor	R12	R 0402	Resistor	1
160	General pourpouse resistor	R13, R15	R 0402	Resistor	2
47k	General pourpouse resistor	R19	R 0402	Resistor	1
13k	General pourpouse resistor	R20	R 0402	Resistor	1
PTS810SJK250SMTRLFS	Tactile Switch SPST-NO Top Actuated Surface Mount	S, S?	PTS810SJK250SMTRLFS	PTS810SJK250SMTRLFS	2