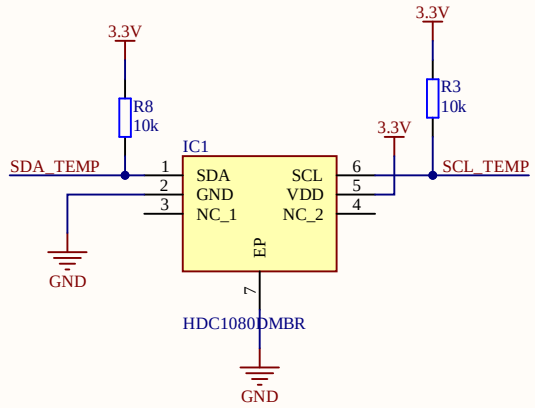
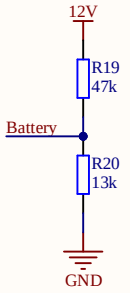
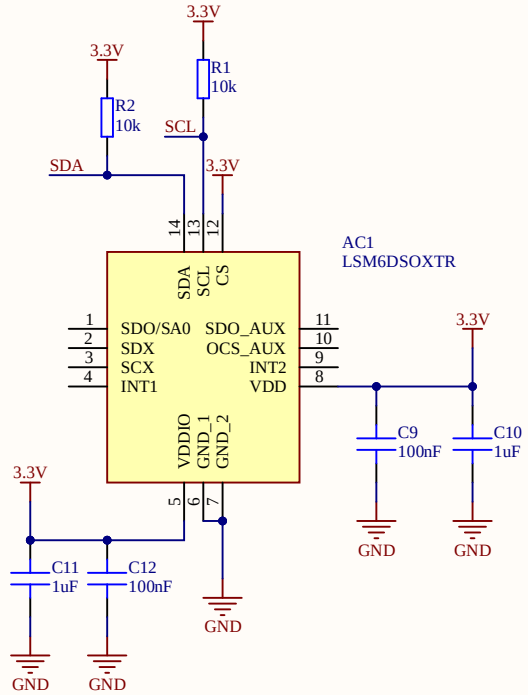
Temperature sensor



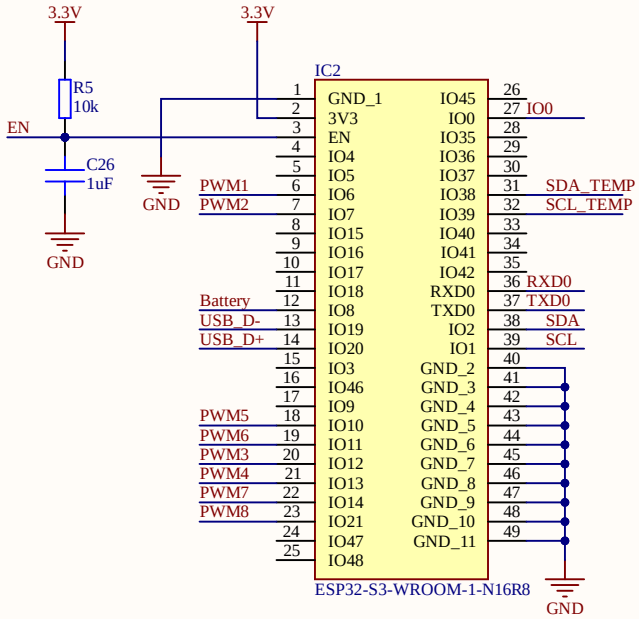
Voltage measure



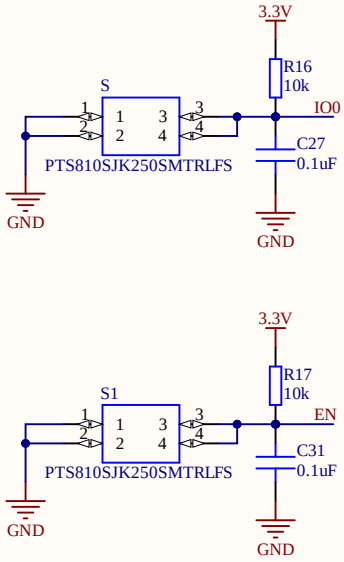
Accelerometer with gyroscope



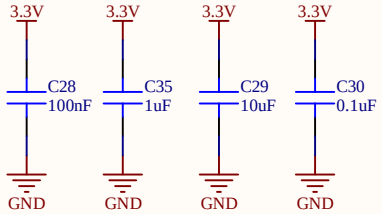
MCU ESP-32-S3



Buttons



MCU filtration



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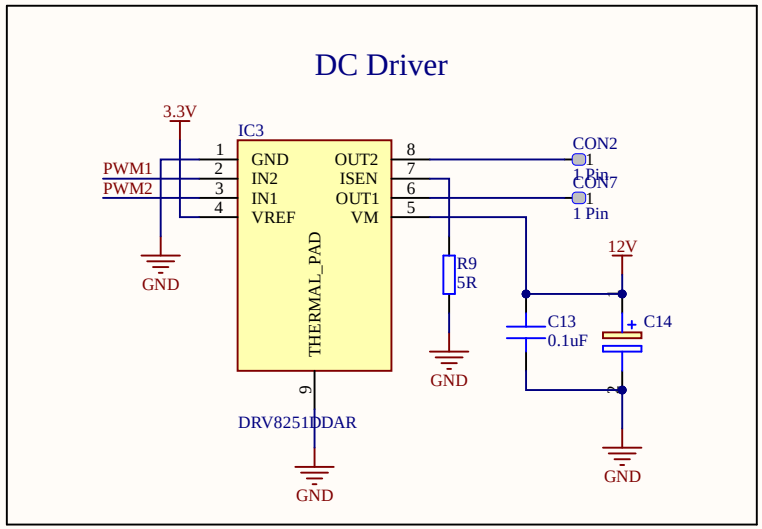

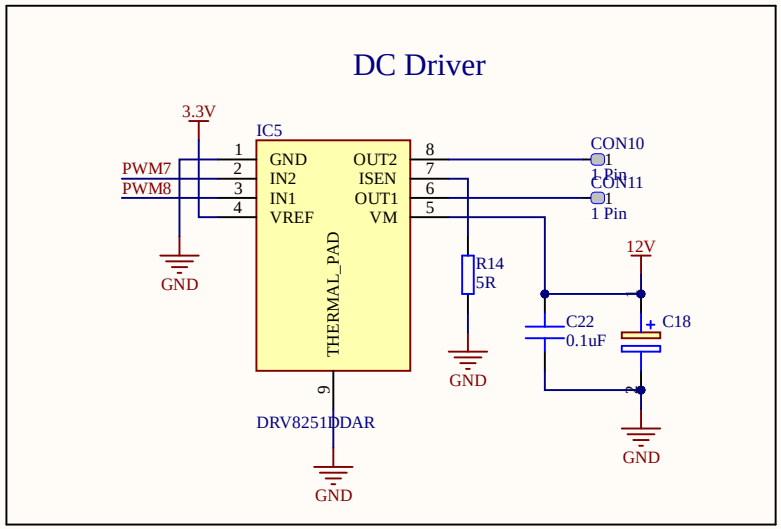

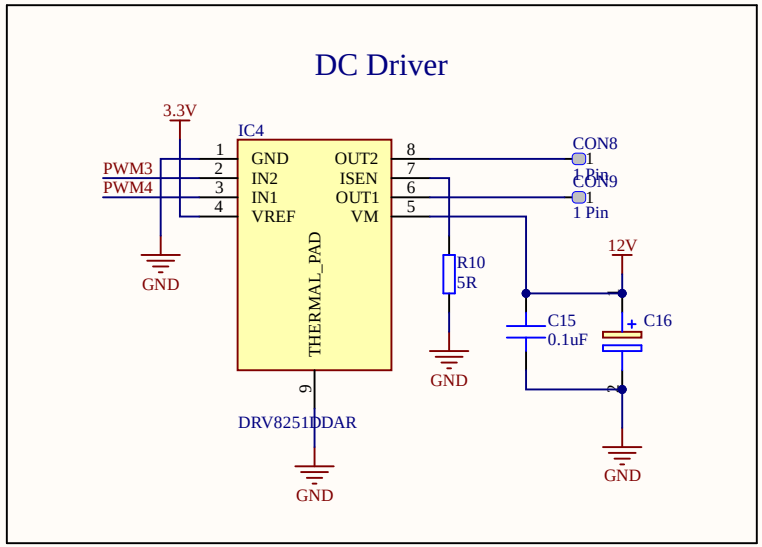

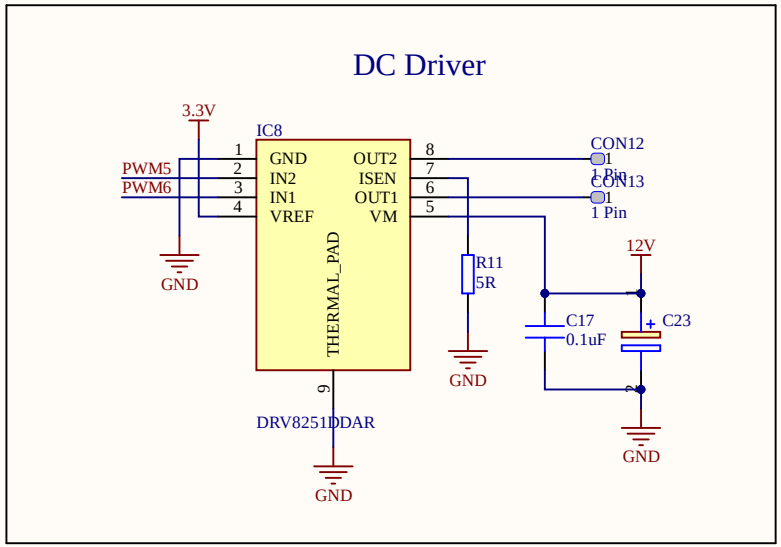

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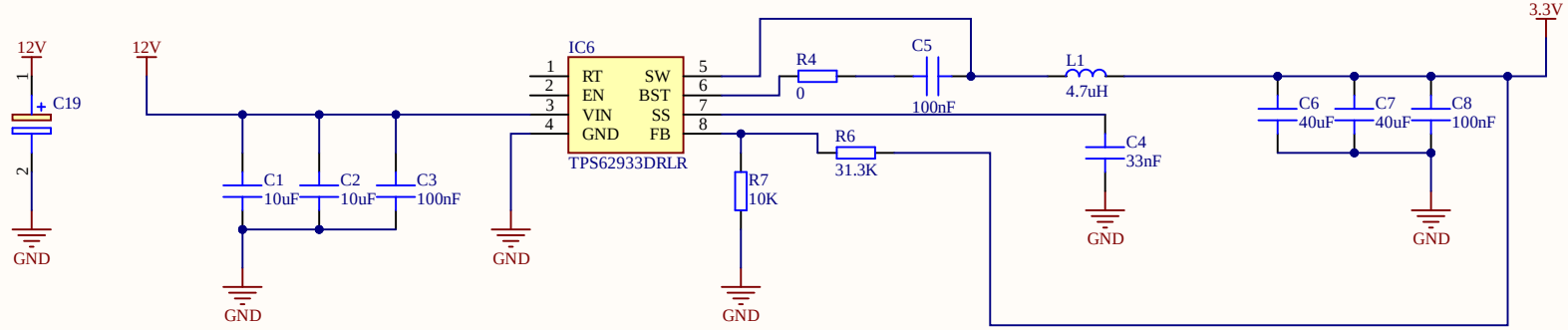
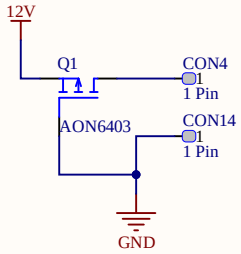
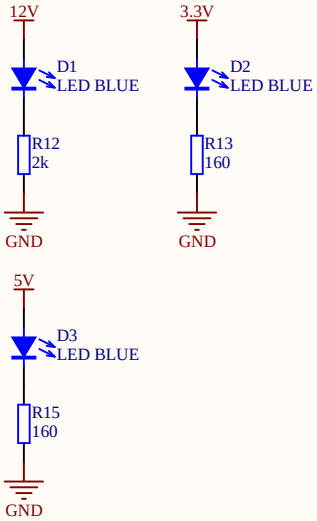
Sep Down voltage regulator



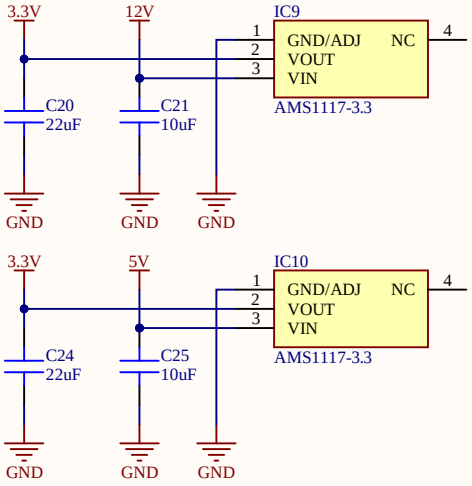
Reverse polarity circuit protection



Voltage related diodes



LDO Linear Regulators



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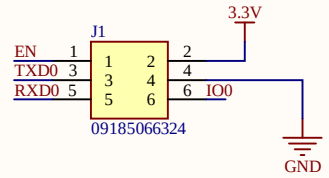
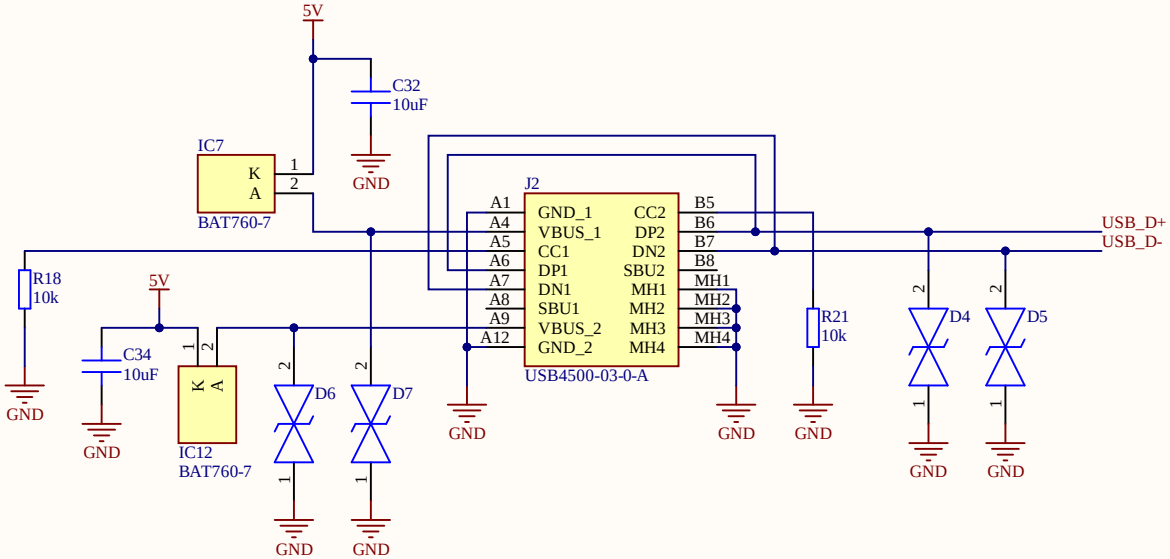
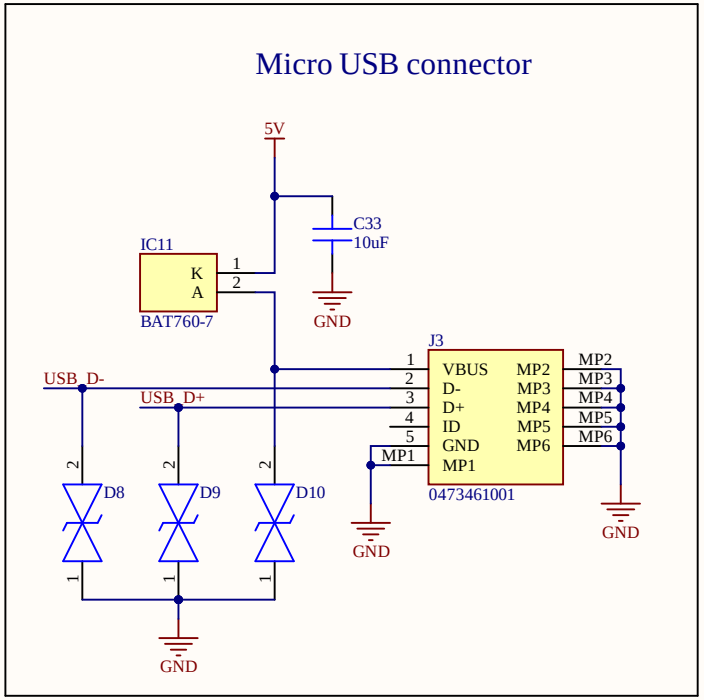
Uart programmer



USBC connector



Micro USB connector



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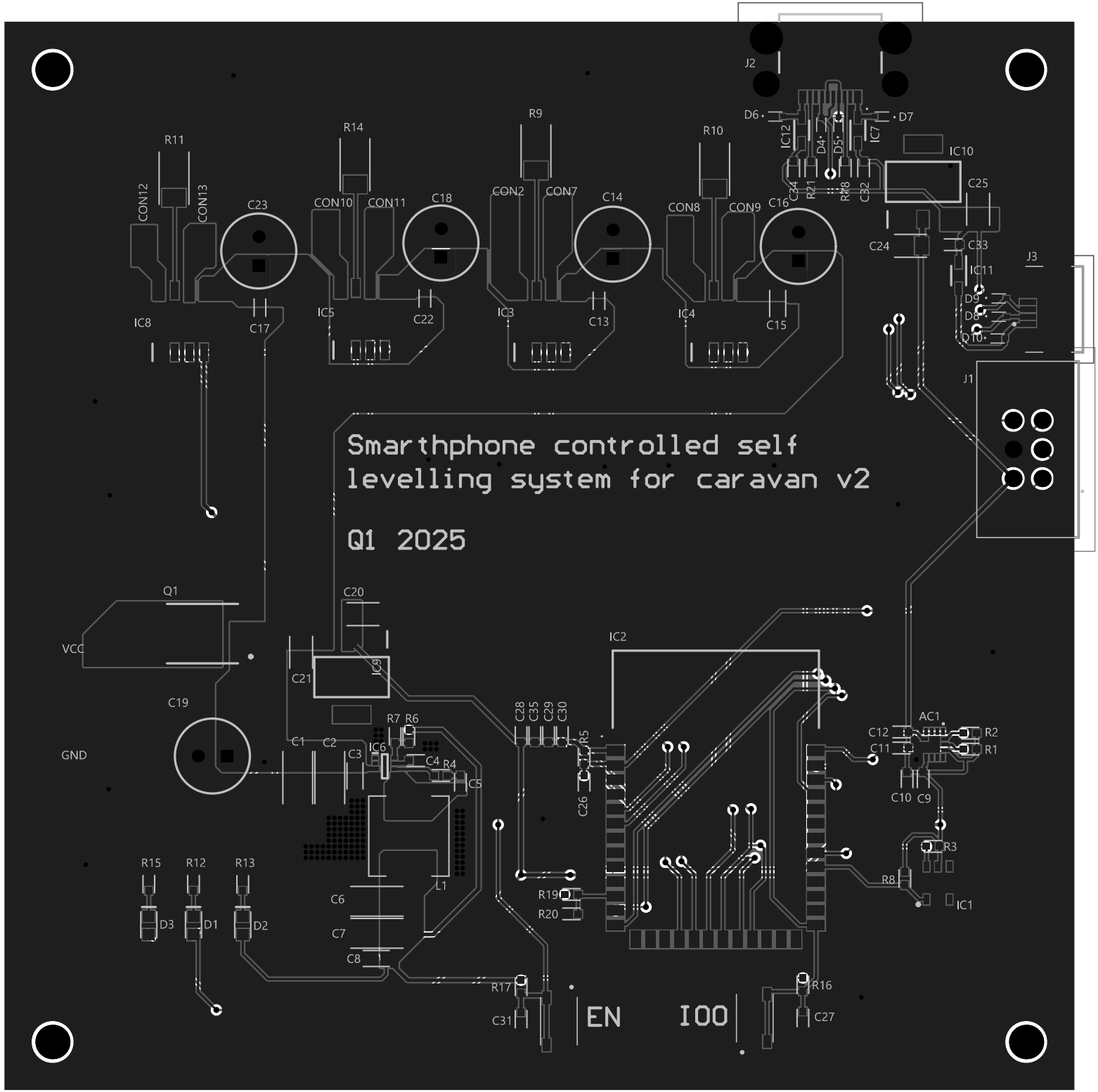
Smarthphone controlled self
levelling system for caravan v2
Q1 2025
EN
I00
J2
J3
J1
IC10
IC11
IC12
IC7
IC8
IC5
IC3
IC4
IC2
IC9
IC6
IC1
AC1
Q1
VCC
GND
R11
R14
R9
R10
CON12
CON13
CON10
CON11
CON2
CON7
CON8
CON9
C23
C18
C14
C16
C17
C22
C13
C15
C24
C25
C33
C20
C21
C19
C1
C2
C3
C4
C5
C6
C7
C8
C28
C35
C29
C30
C26
C12
C11
C10
C9
C31
C27
R7
R6
R4
R5
R19
R20
R15
R12
R13
R16
R17
R3
R8
R2
R1
L1
D3
D1
D2
D6
D7
D4
D5
D9
D8
D10
C34
R21
R18
C32

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, C28	C 0402	Capacitor	4
40uF	MLCC Capacitor	C6, C7	C 1206	Capacitor	2
1uF	MLCC Capacitor	C10, C11, C26, C35	C 0402	Capacitor	4
0.1uF	MLCC Capacitor	C13, C17, C22, C27, C30, C31	C 0402	Capacitor	6
UVY1V101MED1TD	Capacitor Polarised	C14, C16, C18, C19, C23	CAPPRD250W50D655H1250	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	C29, C32, C33, C34	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)	D4, D5, D6, D7, D8, D9, D10	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
BAT760-7	Integrated Circuit	IC7, IC11, IC12	SOD2513X120N	BAT760-7	3
AMS1117-3.3	Integrated Circuit	IC9, IC10	SOT229P700X180-4N	AMS1117-3.3	2
09185066324	Connector	J1	09185066324	09185066324	1
USB4500-03-0-A	Connector	J2	USB4500030A	USB4500-03-0-A	1
0473461001	Connector	J3	0473461001	0473461001	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, R16, R17, R18, R21	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, S1	PTS810SJG250SMTRLFS	PTS810SJK250SMTRLFS	2