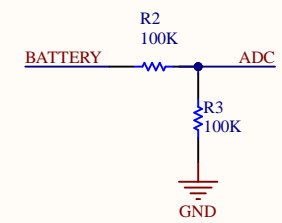
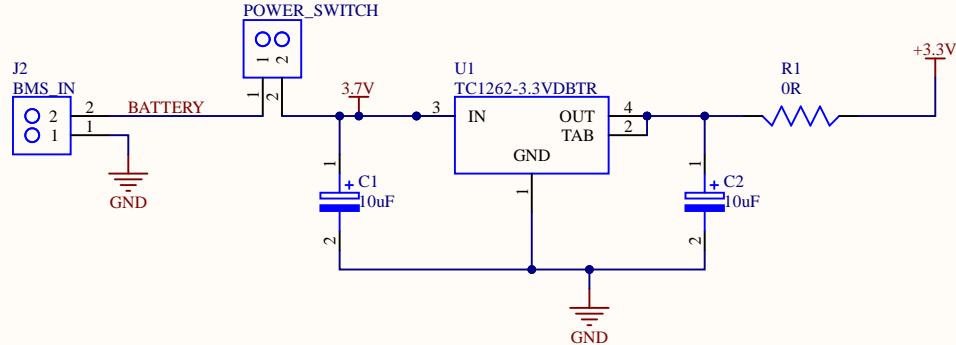
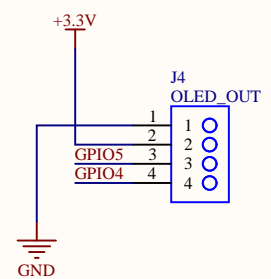


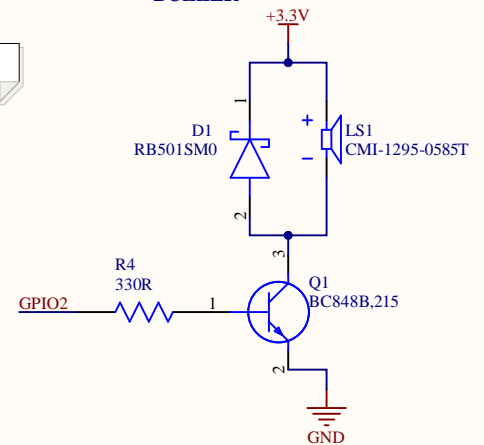
POWER SUPPLY



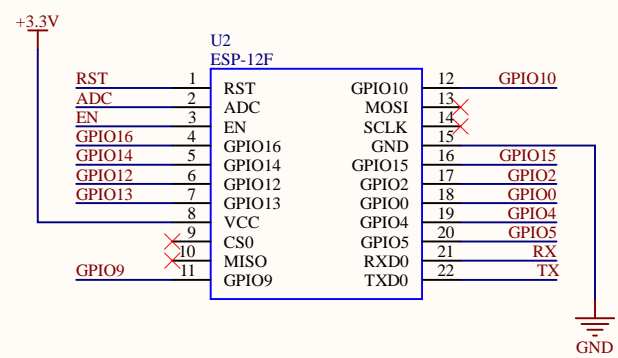
OLED OUT



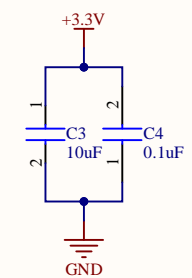
BUZZER



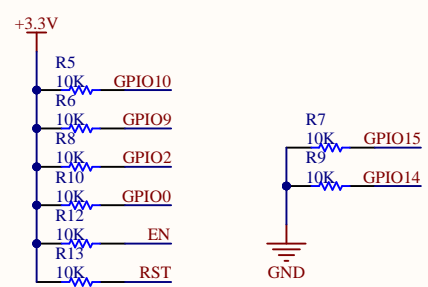
MCU



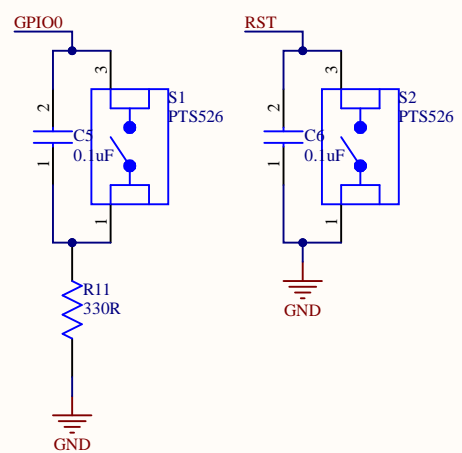
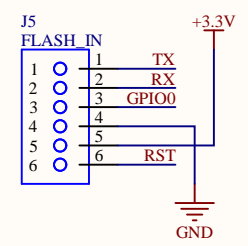
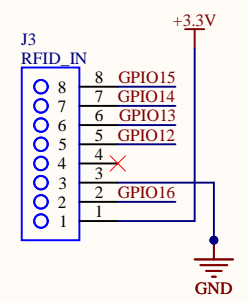
Place C3 and C4 close to pins 8 and 15 of ESP-12F



EXTERNAL PULL UP/DOWN



RFID IN



Title			
EN2160 Main Circuit			
Size	Number	Revision	
A4	1	1.2	
Date:	4/08/2024	Sheet of	1 of 1
File:	C:\Users\...\Sheet1.SchDoc	Drawn By:	L.C.S. Perera

Comment	Description	Designator	Footprint	LibRef	Quantity
10uF	Capacitor Polarised	C1, C2	T491A	T491A106K010AT	2
10uF	10µF Â±10% 10V Ceramic Capacitor X5R0805 (2012 Metric)	C3	10ucer	10uF	1
0.1uF	Capacitor	C4, C5, C6	0.1u	0.1uF	3
RB501SM0	Schottky Diode	D1	Shottkey	RB501SM-30	1
POWER_SWITCH	Connector	J1	2jst	B2B-XHALFSN_	1
BMS_IN	Connector	J2	2jst	B2B-XHALFSN_	1
RFID_IN	Connector	J3	8x1	61300811121	1
OLED_OUT	GROVE 2MM 4PIN VERT CONN 10PCS	J4	4x1	4x1	1
FLASH_IN	6 Position Header Connector 0.100 (2.54mm) Through Hole Tin	J5	6x1	PPTC061LFBN-RC	1
CMI-1295-0585T	12 mm, 5 Vdc, 85 dB, Through Hole, Driving Circuit, Magnetic Audio Indicator Buzzer	LS1	BUZZER	CMI-1295-0585T	1
BC848B,215	Transistor BJT NPN	Q1	BC8488	BC848B,215	1
0R	0 Ohms Jumper 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Moisture Resistant Thick Film	R1	0ohm	RC0805JR-070RL	1
100K	Resistor	R2, R3	100k	100k	2
330R	Resistor	R4, R11	330r	CR0805-FX-3300ELF	2
10K	Resistor	R5, R6, R7, R8, R9, R10, R12, R13	10k	10k	8
PTS526	Switch	S1, S2	switch	PTS526-SK15-SMTR2- LFS	2
TC1262-3.3VDBTR	Integrated Circuit	U1	3v3	LM1117- 3.3MDCNOPB	1
ESP-12F	Integrated Circuit	U2	esp12f	ESP-12F	1