server

File: server.kicad_sch

client

File: client.kicad_sch

+3.3V

A2
ESP32_38_pin_ESP_WROOM_32

Pin	Signal		Signal	Pin
1-1	VDD33	I00	2-14	
1-19	EXT_5V	I02	2-15	
		I04	2-13	
1-2	EN	I05	2-10	
		I012	1-13	
1-3	SENSOR_VP	I013	1-15	
1-4	SENSOR_VN	I014	1-12	
		I015	2-16	
2-4	TXD0	I016	2-12	
2-5	RXD0	I017	2-11	
		I018	2-9	
		I019	2-8	
2-19	CLK	I021	2-6	
1-18	CMD	I022	2-3	
2-18	SD0	I023	2-2	
2-17	SD1	I025	1-9	
1-16	SD2	I026	1-10	
1-17	SD3	I027	1-11	
		I032	1-7	
1-14	GND	I033	1-8	
2-1	GND	I034	1-5	
2-7	GND	I035	1-6	

GND

+3.3V

A1
Grove_LoRa

Pin	Signal	Signal	Pin
2	VCC	RX	3
1	GND	TX	4

GND

+BATT
BT1
9V battery
GND

+5V
R2
4.7K
U1
DS18B20
Water sensor
VDD
GND
DQ
GND

+5V
R3
4.7K
U2
DS18B20
Ambient sensor
VDD
GND
DQ
GND

J1
AVR-ISP-6
VCC
MISO
MOSI
SCK
RST
GND

A4
Sparkfun_pro_micro
VCC
RAW
RESET
SCK/D15
MISO/D14
MOSI/D16
RXI/D0
TXO/D1
GND
GND
GND
D2
D3
D4
D5
D6
D7
D8
D9
D10
A0
A1
A2
A3

A3
Grove_LoRa
VCC
GND
RX
TX

Q1
2N7000

R1
100
GND