server

File: server.kicad_sch

client

File: client.kicad_sch

+3.3V

A2
ESP32_38_pin_ESP_WROOM_32

1-1	VDD33	IO0	2-14
1-19	EXT_5V	IO2	2-15
		IO4	2-13
1-2	EN	IO5	2-10
		IO12	1-13
1-3	SENSOR_VP	IO13	1-15
1-4	SENSOR_VN	IO14	1-12
		IO15	2-16
2-4	TXD0	IO16	2-12
2-5	RXD0	IO17	2-11
		IO18	2-9
		IO19	2-8
2-19	CLK	IO21	2-6
1-18	CMD	IO22	2-3
2-18	SD0	IO23	2-2
2-17	SD1	IO25	1-9
1-16	SD2	IO26	1-10
1-17	SD3	IO27	1-11
		IO32	1-7
1-14	GND	IO33	1-8
2-1	GND	IO34	1-5
2-7	GND	IO35	1-6

GND

+3.3V

A1
Grove_LoRa

| 2 | VCC | RX | 3 |
| 1 | GND | TX | 4 |

GND

J1
AVR-ISP-6

A4
Sparkfun_pro_micro

+5V

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

MISO
MOSI
SCK
RST

A3
Grove_LoRa

VCC
GND
RX
TX

+5V

R1
4.7K

DQ
GND VDD
U1
DS18B20
Water sensor

+5V

GND

R2
4.7K

DQ
GND VDD
U2
DS18B20
Ambient sensor

+5V

GND

GND