ESP32

U5

2	RES	TXD	3 TxD4
1	GND	GND	4
6	SVP	RXD	7 RxD4
5	NC	IO27	8 TxD2
10	IO26	IO22	11 Dir485
14	SVN	IO25	12 TxD3
9	IO18	IO21	15 LED2
13	IO35	IO32	16 LED3
18	IO19	IO17	19 RxD3
17	IO33	TDI	20
22	IO23	IO16	23 RxD2
21	IO34	IO4	24 RxDCAN
26	IO5	GND	27
30	TMS	IO0	28
29	3.3V	VCC	31
33	NC	IO2	32
34	SD2	TD0	35
37	TCK	SD1	36
38	CMD	SD0	39
	SD3	CLK	40

Rx/SCLK, IMU_CS, Tx/MISO, IMU_INT, MOSI, IMU_RES, TxDCAN

+3V3   +5V

GND   GND

TG_WEMOS_D1_ESP32(CLONE)

Host Connector

USB / RS485 / CAN:
1 D+
2 D-
3 5V/12V
4 0V/GND

TD- TD+
RD+ RD-

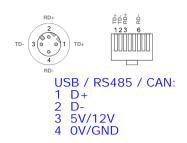1 2 3   6
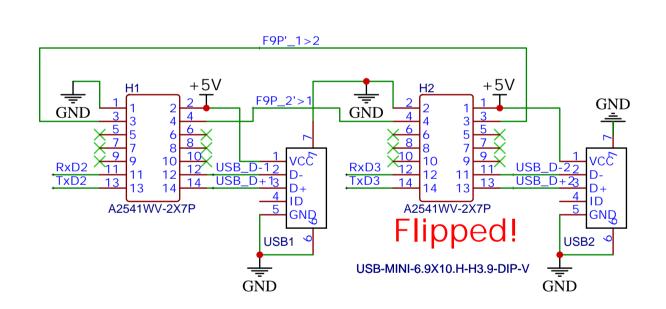
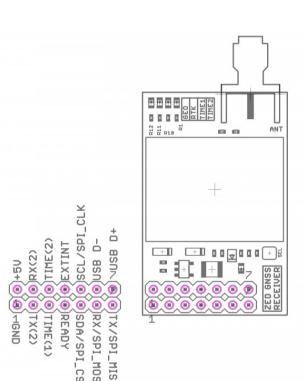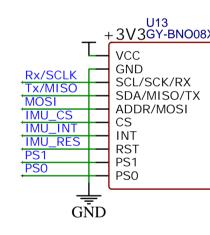# THT ZED modules

https://www.gnss.store/gnss-gps-modules/105-ublox-zed-f9p-rtk-gnss-receiver-board-with-sma-base-or-rover.html

F9P'_1>2

GND   +5V   F9P_2'>1   +5V   GND

H1   H2

A2541WV-2X7P   A2541WV-2X7P

Flipped!

USB-MINI-6.9X10.H-H3.9-DIP-V

RxD2, TxD2   RxD3, TxD3

USB_D-1, USB_D+1   USB_D-2, USB_D+2

VCC, D-, D+, ID, GND

USB1   USB2

GND   GND

ZED GNSS RECEIVER

Option: THT IMU Module

U13
+3V3 GY-BNO08X

Rx/SCLK	VCC	
	GND	
Tx/MISO	SCL/SCK/RX	
MOSI	SDA/MISO/TX	
IMU_CS	ADDR/MOSI	
IMU_INT	CS	
IMU_RES	INT	
PS1	RST	
PS0	PS1	
	PS0	

GND

TITLE:
Ri-Shield for AgOpenGPS: Raspberry, Interfaces, Sensors 1.0

REV: 1.0

Company: agopengps.discourse.group

Sheet: 1/1

Date: 2020-10-15   Drawn By: GoRoNb

EasyEDA