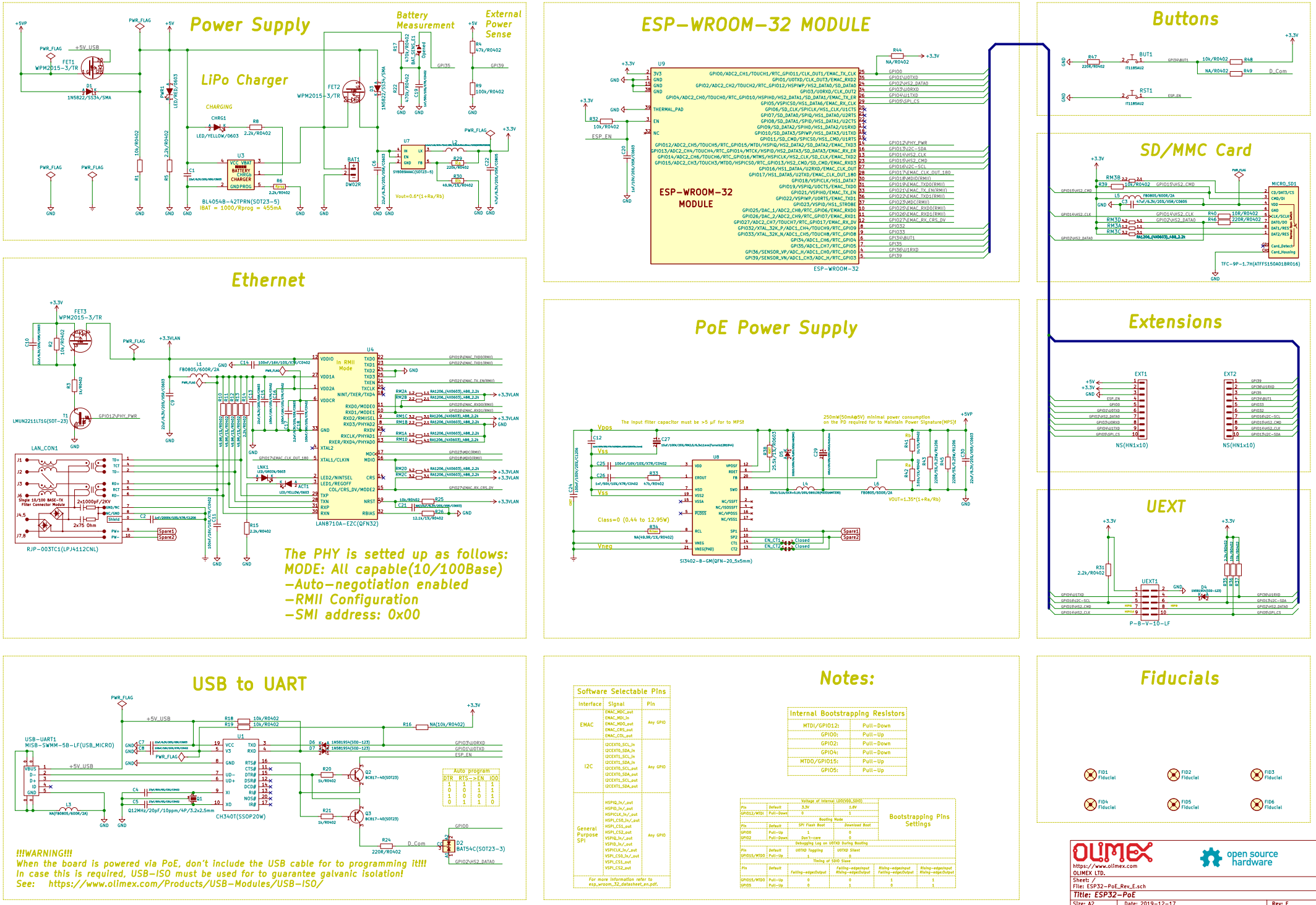
Power Supply
LiPo Charger
Battery Measurement
External Power Sense
ESP-WROOM-32 MODULE
Buttons
SD/MMC Card
Ethernet
PoE Power Supply
Extensions
UEXT
USB to UART
Notes:
Fiducials
The PHY is setted up as follows:
MODE: All capable(10/100Base)
-Auto-negotiation enabled
-RMII Configuration
-SMI address: 0x00
!!!WARNING!!!
When the board is powered via PoE, don't include the USB cable for to programming it!!!
In case this is required, USB-ISO must be used for to guarantee galvanic isolation!
See: https://www.olimex.com/Products/USB-Modules/USB-ISO/
Software Selectable Pins
Internal Bootstrapping Resistors
Bootstrapping Pins Settings
OLIMEX
https://www.olimex.com
OLIMEX LTD.
open source hardware
Sheet: /
File: ESP32-PoE_Rev_E.sch
Title: ESP32-PoE
Size: A2
Date: 2019-12-17
Rev: E
KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1
Id: 1/1