## Main PCB as blackbox (only connector):



All pins of the connectors potentially carry 24V => cannot directly feed into Arduino!

As the LEDs and the button pins are not disabled when the device appears off, one can still flash the leds progra

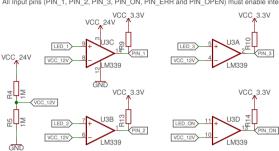
## Power Supply for ESP8266 (3.3V)

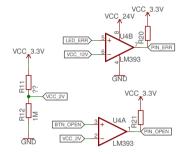




# Sensors: Detect if LEDs (Power, level, error) are on, check if case open sensor (button) is triggered

All Input pins (PIN 1, PIN 2, PIN 3, PIN ON, PIN ERR and PIN OPEN) must enable internal pull-up resistors!



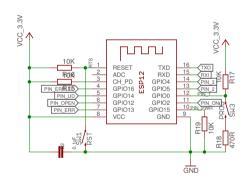


## Microcontroller: ESP8266, Board: ESP-12F

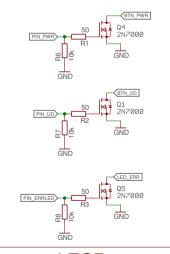
GND

TXO -RXI DTR

FTDI Basic MOD



# Actuators: Emulate power On/Off button, emulate UP button, override error LED





TITLE: VentaConnected ESP8266 V0.01 2018-09-03.FET

**Document Number:** 

REV: 0.01

1/1

Date: nicht gespeichert! Sheet: