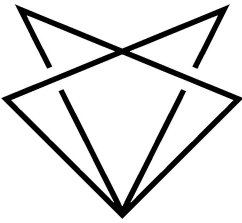


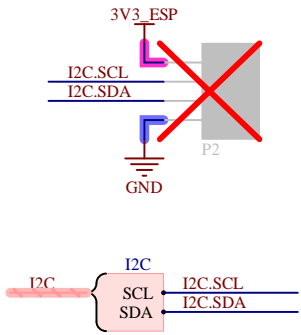
Rev. 00 : Initial release  
Rev. 01 : Bug Fixes

# Fri3D Ira 2022

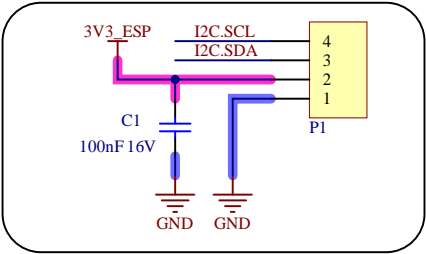
Top Level



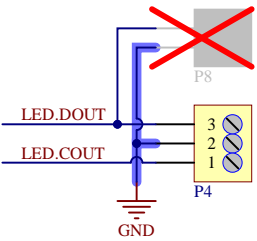
I<sup>2</sup>C ouput



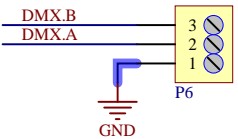
Stemma QT



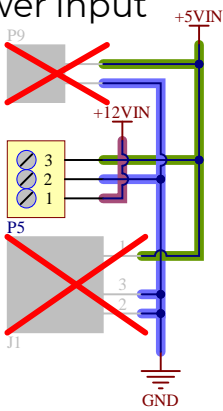
Digital LED Strips



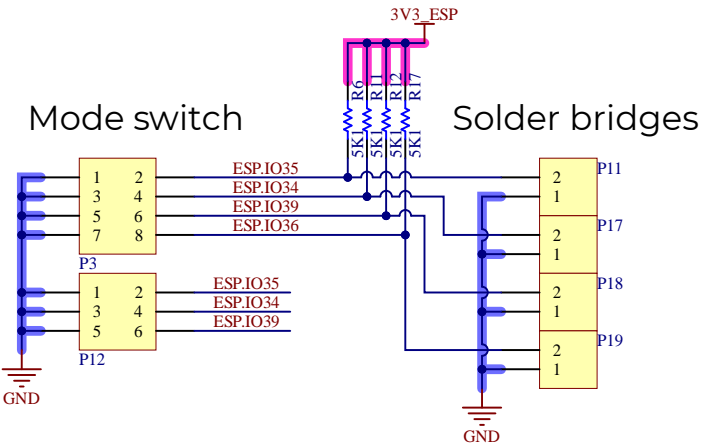
RS-485 Transceiver



Power input



Mode switch



Variant : Development  
Housing : HMMFG 1593ARTBU  
Cable Gland : IPG-2227

**Phyx**

Title  
Top Level

Date  
26/12/2021

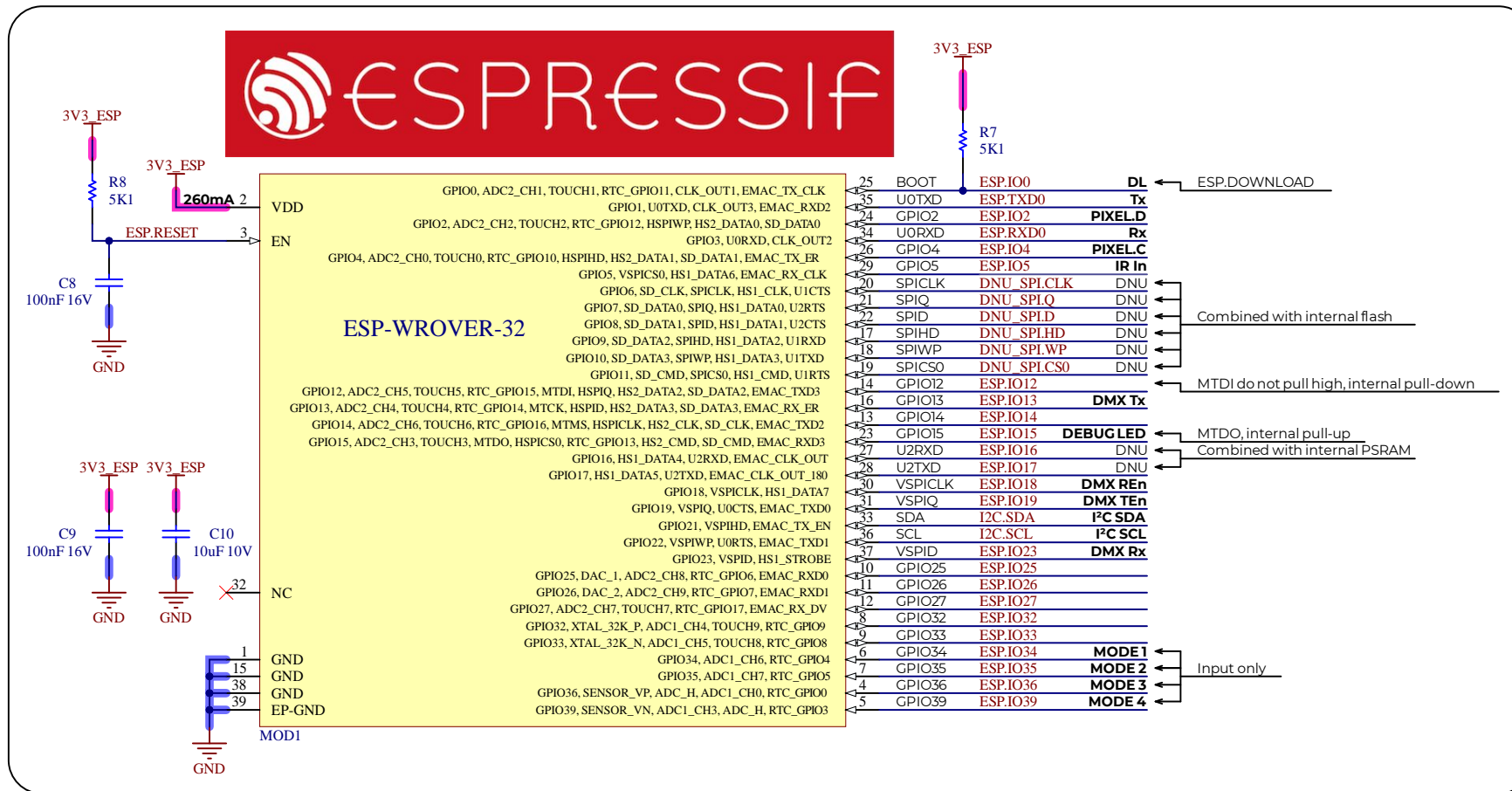
Drawn By  
Wim Van Gool

Size  
A3  
Sheet 1 of 4

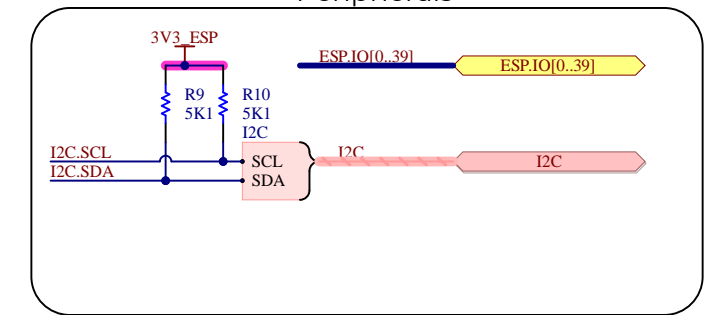
# Fri3D Ira 2022

## ESP32 Module

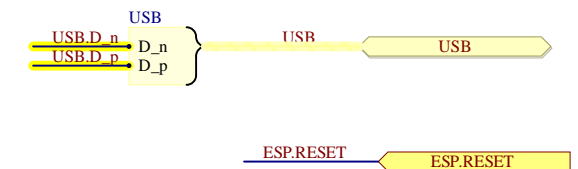
### ESP-WROVER-32



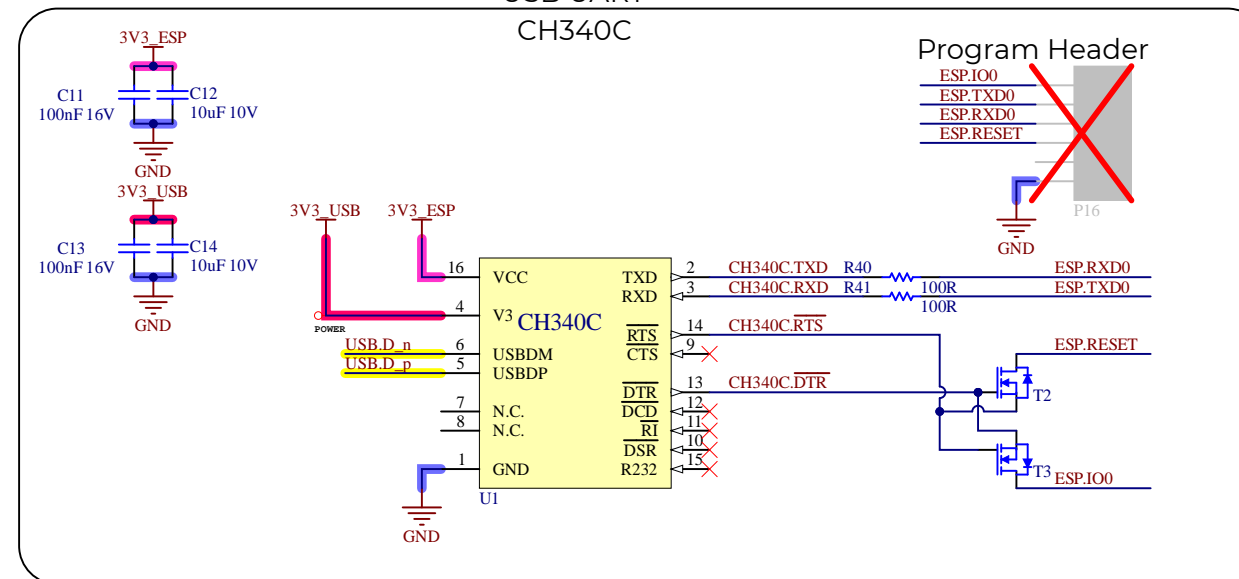
### Peripherals



### USB Interface

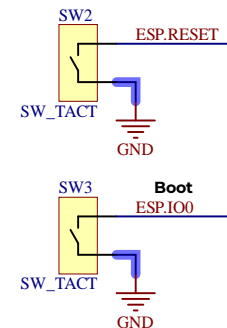
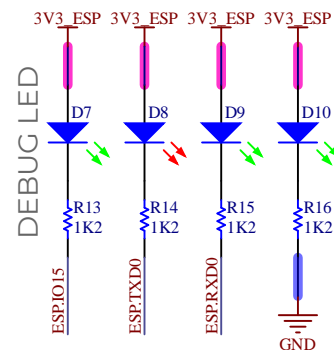


### USB UART CH340C



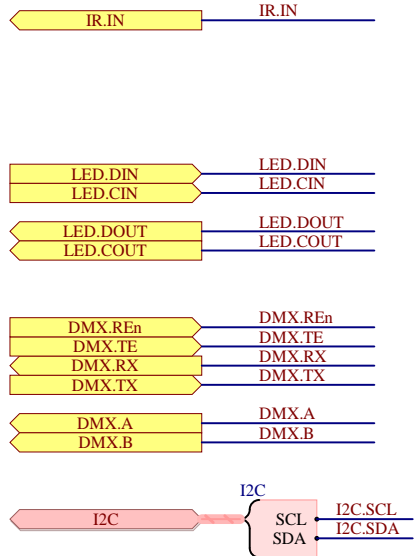
### Program Header

ESP.IO0  
ESP.TXD0  
ESP.RXD0  
ESP.RESET



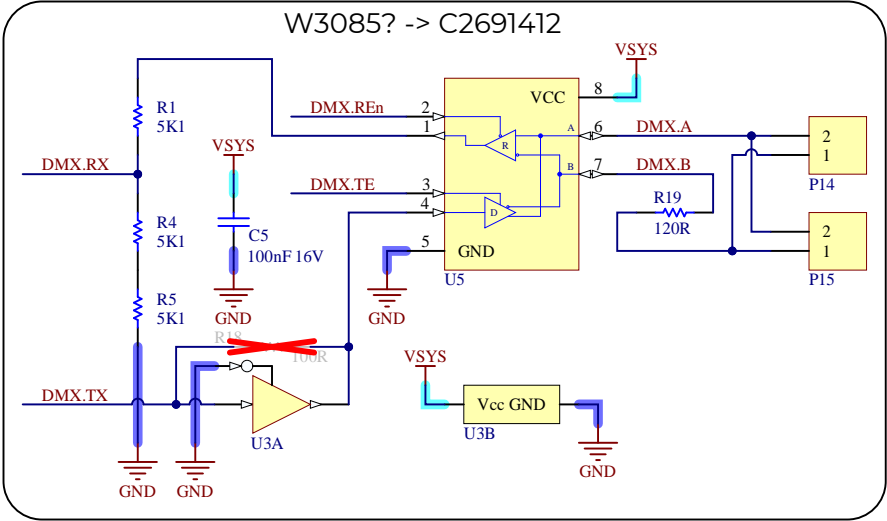
# Fri3D Ira 2022

## Peripherals

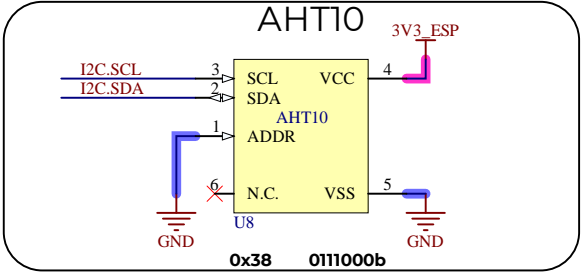


### RS-485 Transmitter

W3085? -> C2691412

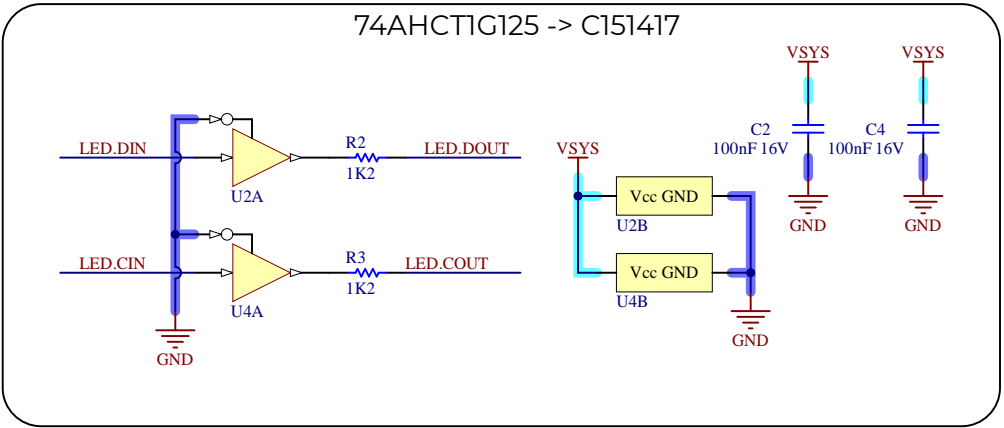


### Temperature and Humidity sensor

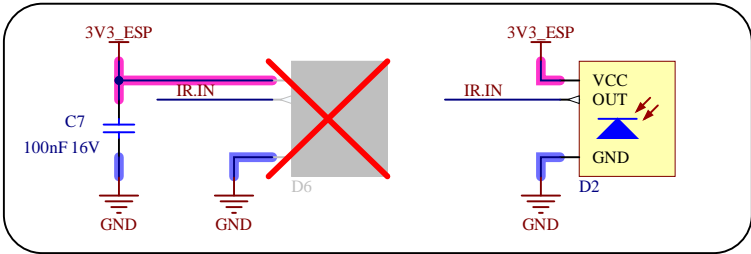


### Pixel buffers

74AHCT1G125 -> C151417



### IR Receiver



**Phyx**

Title  
Peripherals

Date  
26/12/2021

Size  
A3

Revision  
01

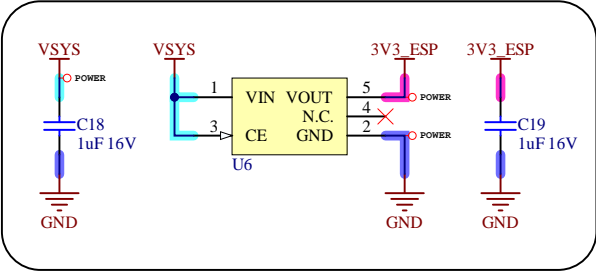
Drawn By  
Wim Van Gool

Sheet  
3 of 4

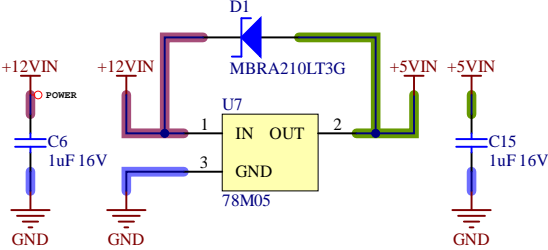
# Fri3D Ira 2022

## Power

ESP Power

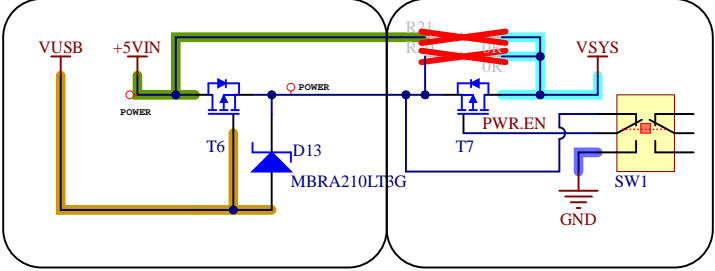


Optional 5V power supply



Power Protection

Power Switch



<b>Phyx</b>	Title <b>Power</b>	
	Date <b>26/12/2021</b>	Size <b>A3</b>
	Revision <b>01</b>	Drwnw By <b>Wim Van Gool</b>
		Sheet <b>4</b> of <b>4</b>