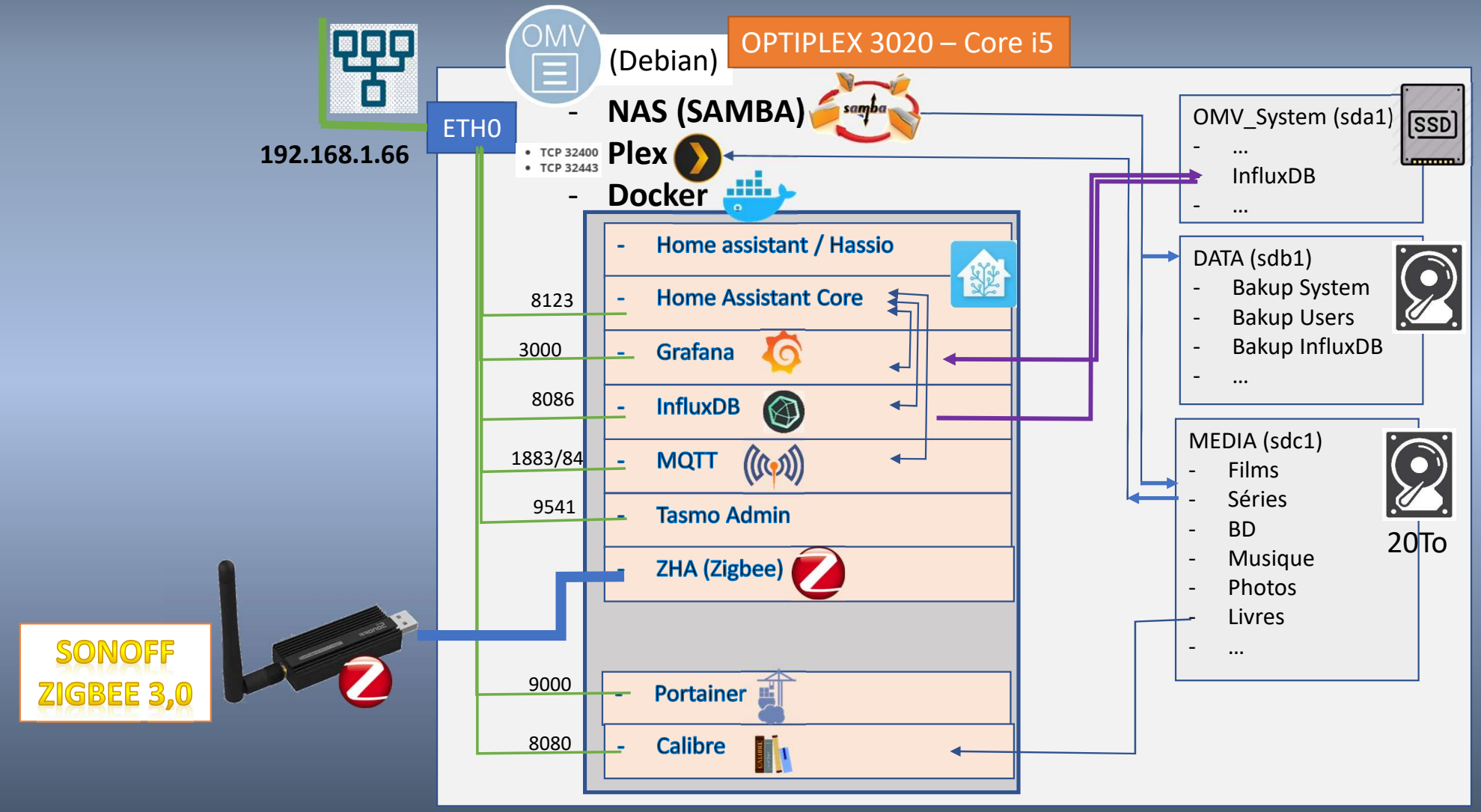
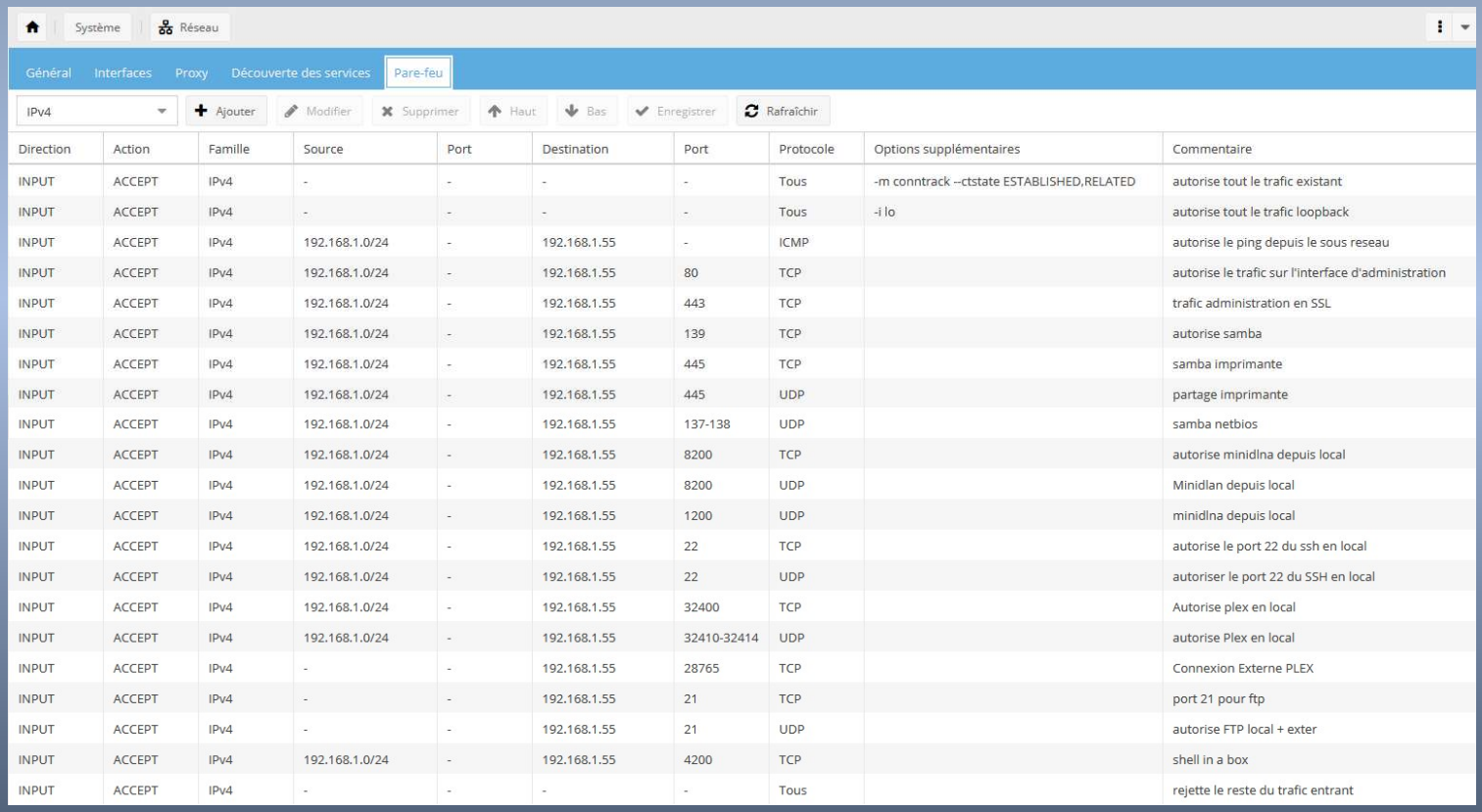
BASIC HARDWARE (DIY Home NAS)



OMV SETUP : Firewall



Direction	Action	Famille	Source	Port	Destination	Port	Protocole	Options supplémentaires	Commentaire
INPUT	ACCEPT	IPv4	-	-	-	-	Tous	-m conntrack --ctstate ESTABLISHED,RELATED	autorise tout le trafic existant
INPUT	ACCEPT	IPv4	-	-	-	-	Tous	-i lo	autorise tout le trafic loopback
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	-	ICMP		autorise le ping depuis le sous reseau
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	80	TCP		autorise le trafic sur l'interface d'administration
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	443	TCP		trafic administration en SSL
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	139	TCP		autorise samba
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	445	TCP		samba imprimante
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	445	UDP		partage imprimante
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	137-138	UDP		samba netbios
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	8200	TCP		autorise minidlna depuis local
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	8200	UDP		Minidlan depuis local
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	1200	UDP		minidlna depuis local
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	22	TCP		autorise le port 22 du ssh en local
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	22	UDP		autoriser le port 22 du SSH en local
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	32400	TCP		Autorise plex en local
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	32410-32414	UDP		autorise Plex en local
INPUT	ACCEPT	IPv4	-	-	192.168.1.55	28765	TCP		Connexion Externe PLEX
INPUT	ACCEPT	IPv4	-	-	192.168.1.55	21	TCP		port 21 pour ftp
INPUT	ACCEPT	IPv4	-	-	192.168.1.55	21	UDP		autorise FTP local + exter
INPUT	ACCEPT	IPv4	192.168.1.0/24	-	192.168.1.55	4200	TCP		shell in a box
INPUT	ACCEPT	IPv4	-	-	-	-	Tous		rejette le reste du trafic entrant

Plex

92768ca4-7c78-4b31-bfea-c834f7dca85a
/srv/dev-disk-by-uuid-92768ca4-7c78-4b31-bfea-c834f7dca85a/config/plex

```
---
version: "2.1"
services:
  plex:
    image: linuxserver/plex
    container_name: plex-omv5
    network_mode: host
    environment:
      - PUID=998
      - PGID=1000
      - VERSION=docker
      - PLEX_CLAIM= #optional
    volumes:
      - /srv/dev-disk-by-uuid-92768ca4-7c78-4b31-bfea-c834f7dca85a/config/plex:/config
      - /srv/dev-disk-by-uuid-ced42e8b-a8ab-4ee6-92b1-567e4166b4a5/MEDIAS/ANIME:/anime
      - /srv/dev-disk-by-uuid-ced42e8b-a8ab-4ee6-92b1-567e4166b4a5/MEDIAS/CLIPS:/clips
      - /srv/dev-disk-by-uuid-ced42e8b-a8ab-4ee6-92b1-567e4166b4a5/MEDIAS/FILMS:/films
      - /srv/dev-disk-by-uuid-ced42e8b-a8ab-4ee6-92b1-567e4166b4a5/MEDIAS/MUSIC:/music
      - /srv/dev-disk-by-uuid-ced42e8b-a8ab-4ee6-92b1-567e4166b4a5/MEDIAS/SERIES:/series
      - /srv/dev-disk-by-uuid-ced42e8b-a8ab-4ee6-92b1-567e4166b4a5/MEDIAS/PHOTOS:/photos
    restart: unless-stopped
```

/srv/dev-disk-by-uuid-d6002a2a-a49

/srv/dev-disk-by-uuid-ced42e8b-a8ab

```
---
version: "2.1"
services:
  plex:
    image: linuxserver/plex
    container_name: plex-omv5
    network_mode: host
    environment:
      - PUID=998
      - PGID=1000
      - VERSION=docker
      - PLEX_CLAIM= #optional
    volumes:
      - /srv/dev-disk-by-uuid-d6002a2a-a497-4755-96d9-29870b6b43b4/Data_SSD/configs/plex:/config
UUID=92768ca4-7c78-4b31-bfea-c834f7dca85a      - /srv/dev-disk-by-uuid-ced42e8b-a8ab-4ee6-92b1-
567e4166b4a5/MEDIAS/ANIME:/anime
      - /srv/dev-disk-by-uuid-ced42e8b-a8ab-4ee6-92b1-567e4166b4a5/MEDIAS/CLIPS:/clips
      - /srv/dev-disk-by-uuid-ced42e8b-a8ab-4ee6-92b1-567e4166b4a5/MEDIAS/FILMS:/films
      - /srv/dev-disk-by-uuid-ced42e8b-a8ab-4ee6-92b1-567e4166b4a5/MEDIAS/MUSIC:/music
      - /srv/dev-disk-by-uuid-ced42e8b-a8ab-4ee6-92b1-567e4166b4a5/MEDIAS/SERIES:/series
      - /srv/dev-disk-by-uuid-ced42e8b-a8ab-4ee6-92b1-567e4166b4a5/MEDIAS/PHOTOS:/photos
    restart: unless-stopped
```

Calibre

linuxserver/calibre:latest

Network mode host ou bridge ?

```
---
version: "2.1"
services:
  calibre:
    image: lscr.io/linuxserver/calibre
    container_name: calibre
    environment:
      - PUID=998
      - PGID=1000
      - TZ=Europe/Paris
      - PASSWORD= #optional
      - CLI_ARGS= #optional
    volumes:
      - /srv/dev-disk-by-uuid-d6002a2a-a497-4755-96d9-29870b6b43b4/Data_SSD/configs/calibre:/config
      - /srv/dev-disk-by-uuid-d6002a2a-a497-4755-96d9-29870b6b43b4/Data_SSD/ebooks/e-books-Calibre/:ebooks
    ports:
      - 8080:8080
      - 8081:8081
    restart: unless-stopped
```

Host/volume	Path in container
/srv/dev-disk-by-uuid-d6002a2a-a497-4755-96d9-29870b6b43b4/Data_SSD/configs/calibre	/config
/srv/dev-disk-by-uuid-d6002a2a-a497-4755-96d9-29870b6b43b4/Data_SSD/ebooks/e-books-Calibre	/ebooks

Connected networks

Join a network | Select a network | Join network

Network	IP Address	Gateway	MAC Address	Actions
bridge	172.17.0.4	172.17.0.1	02:42:ac:11:00:04	Leave network

Cloud-cmd (Docker Stack)

```
---
version: '2'
services:
  web:
    ports:
      - 7000:8000
    volumes:
      - ~:/root
      - /:/mnt/fs
    image: coderaiser/cloudcmd
    restart: unless-stopped
```

Le système Hote est accessible par « fs/srv/dev-disk-by-uuid…

HA installation (on Debian)

wget https://github.com/home-assistant/os-agent/releases/download/1.2.2/os-agent_1.2.2_linux_x86_64.deb

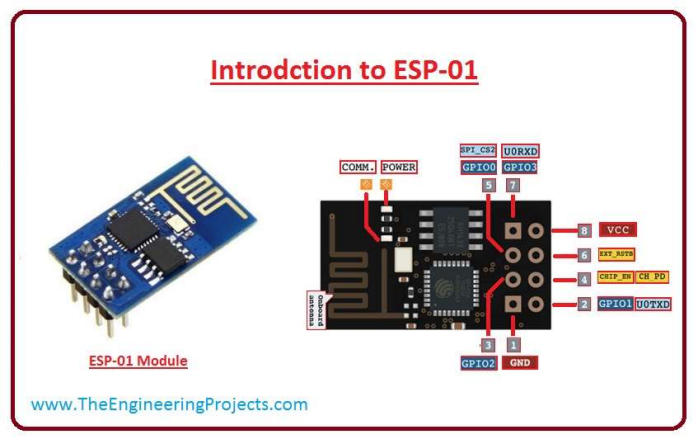
sudo dpkg -i os-agent_1.2.2_linux_x86_64.deb

HA supervised :

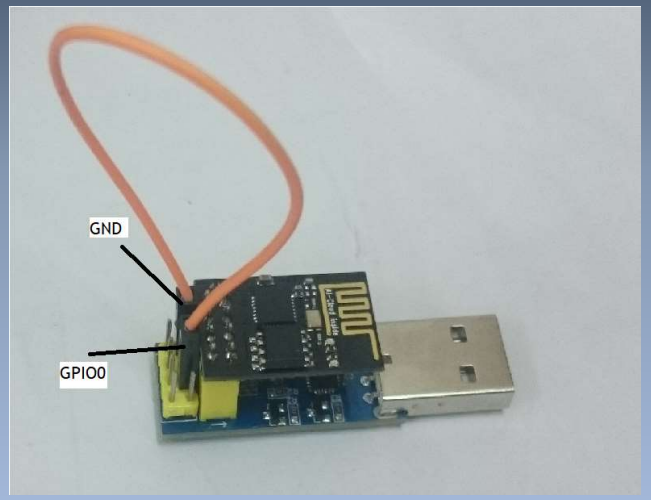
- HACS
- MQTT
- Frigate
- InfluxDB
- Grafana admin/admin

ESP01

- Bootloader mode esp01



{"NAME":"ESP01","GPIO":[1,0,1,1,0,0,0,0,0,0,0
,0,0,0],"FLAG":0,"BASE":1}



WLED
access point WLED-AP / wled1234
(wled.me)
MDNS : http://Wled-e159.local

Commande par defaut
sur pin D4 (GPIO2)

Tasmota clock : ESP01 (IP 160)

Commands

Timezone Paris :

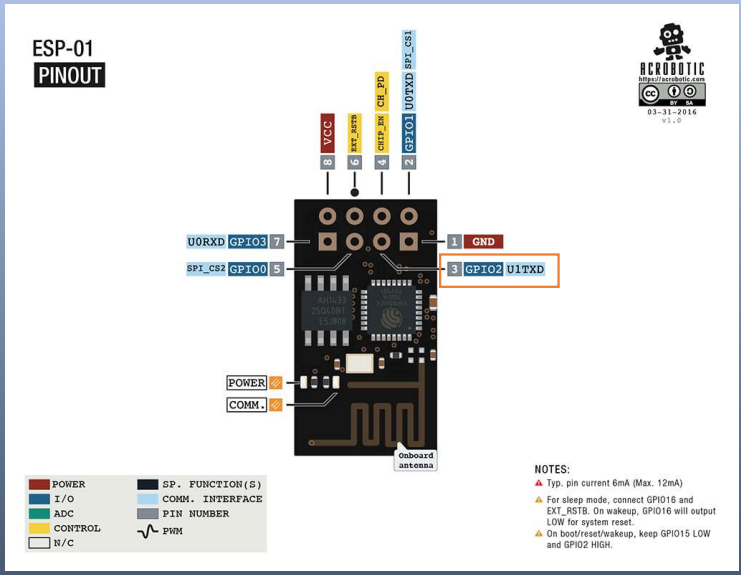
Backlog0 Timezone 99; TimeStd 0,0,10,1,3,60; TimeDst 0,0,3,1,2,120

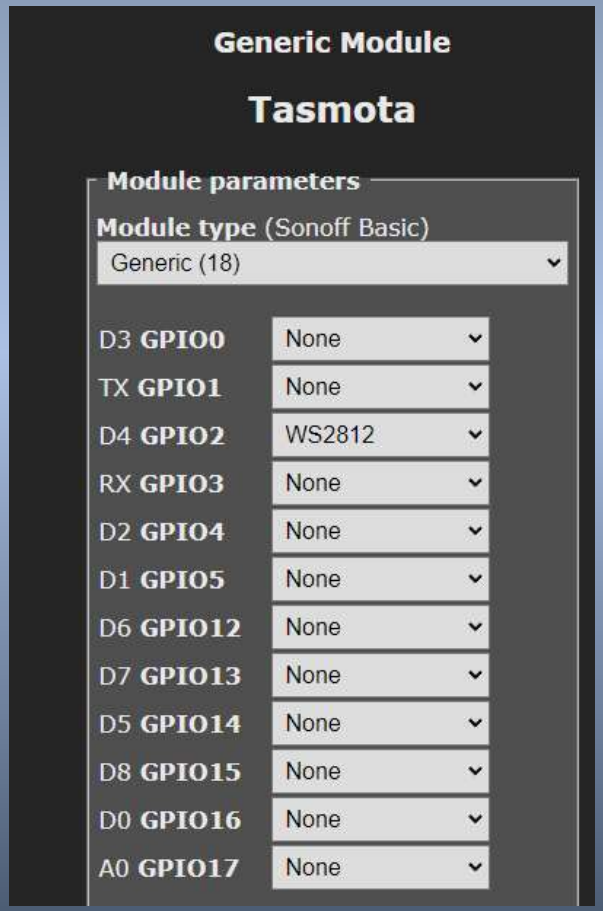
Commande de l'anneau LED

(WS2812 sur pin D4 = GPIO2)

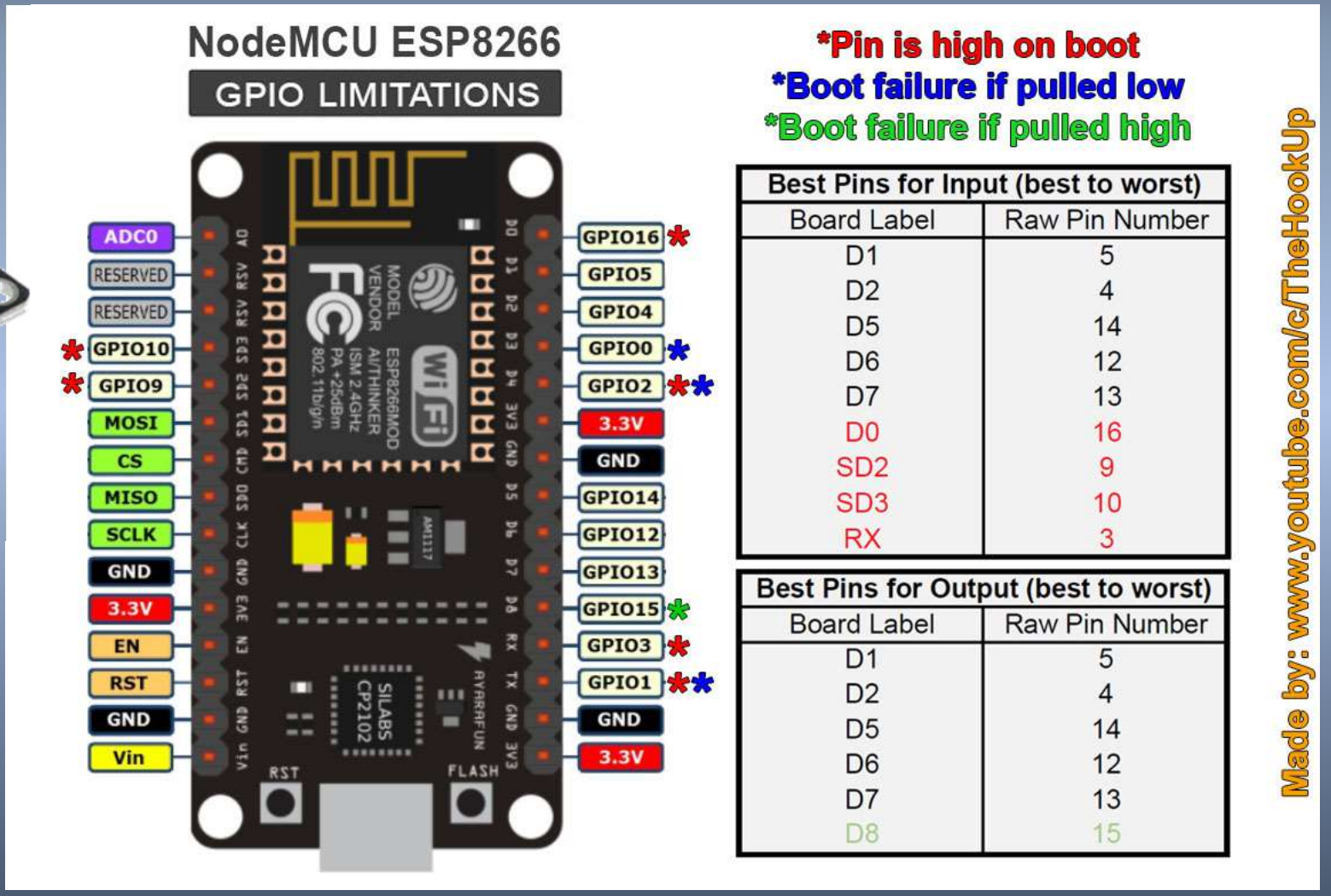
Pixels 60

Scheme 5





NODEMCU : pinout and important notes on pin usage

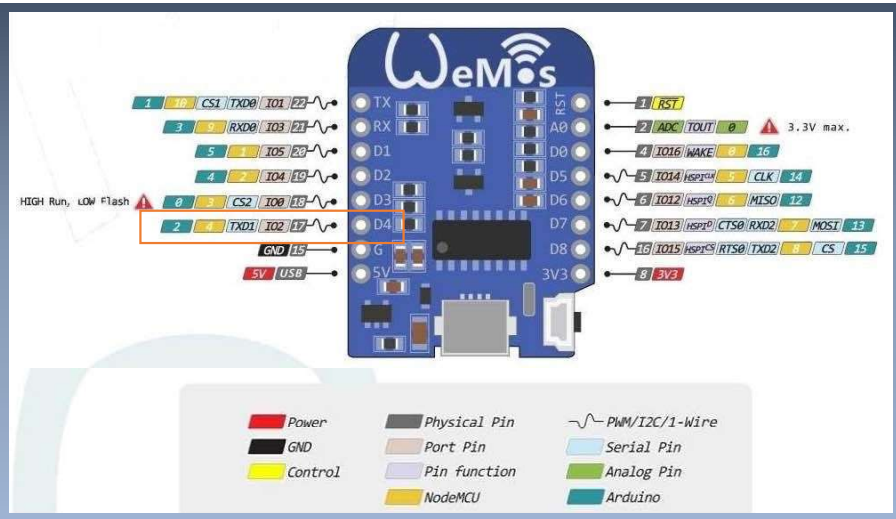


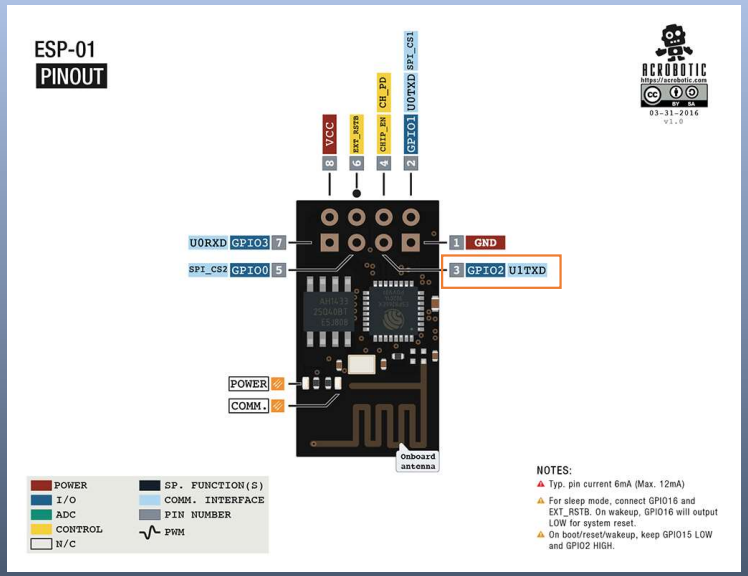
Best Pins for Input (best to worst)	
Board Label	Raw Pin Number
D1	5
D2	4
D5	14
D6	12
D7	13
D0	16
SD2	9
SD3	10
RX	3

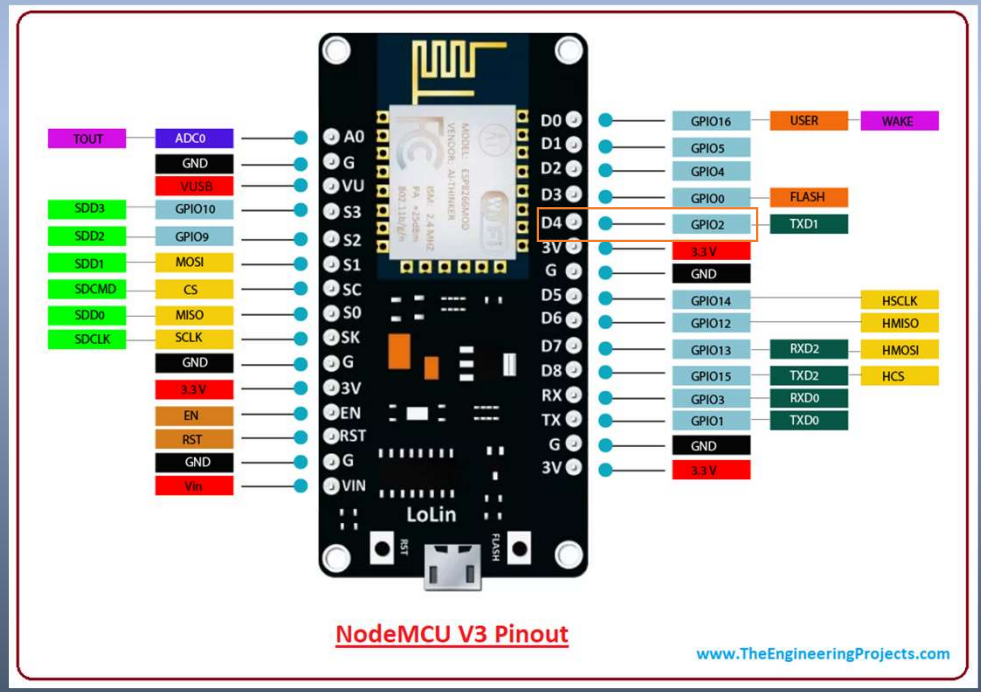
Best Pins for Output (best to worst)	
Board Label	Raw Pin Number
D1	5
D2	4
D5	14
D6	12
D7	13
D8	15

ESP 8266

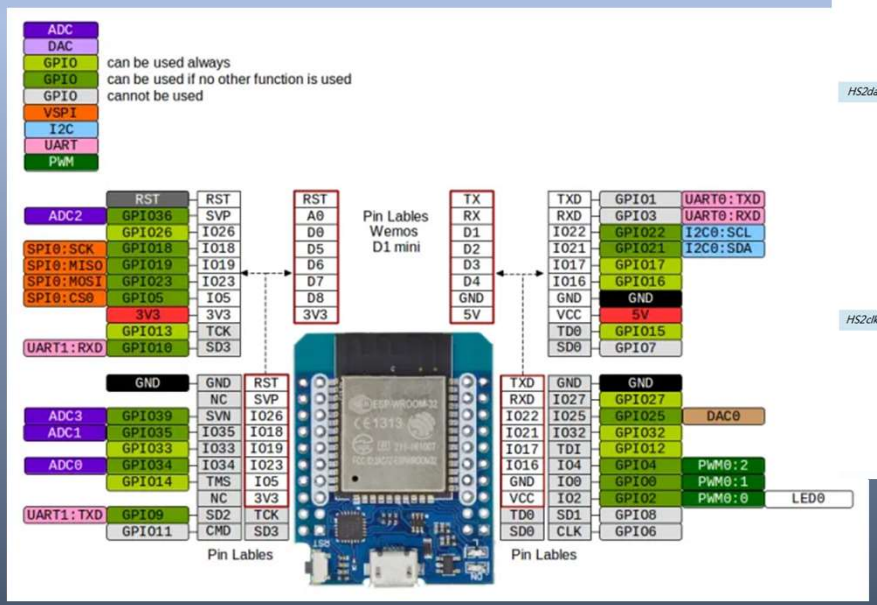
WLED

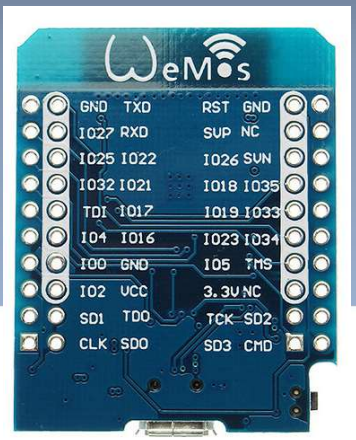


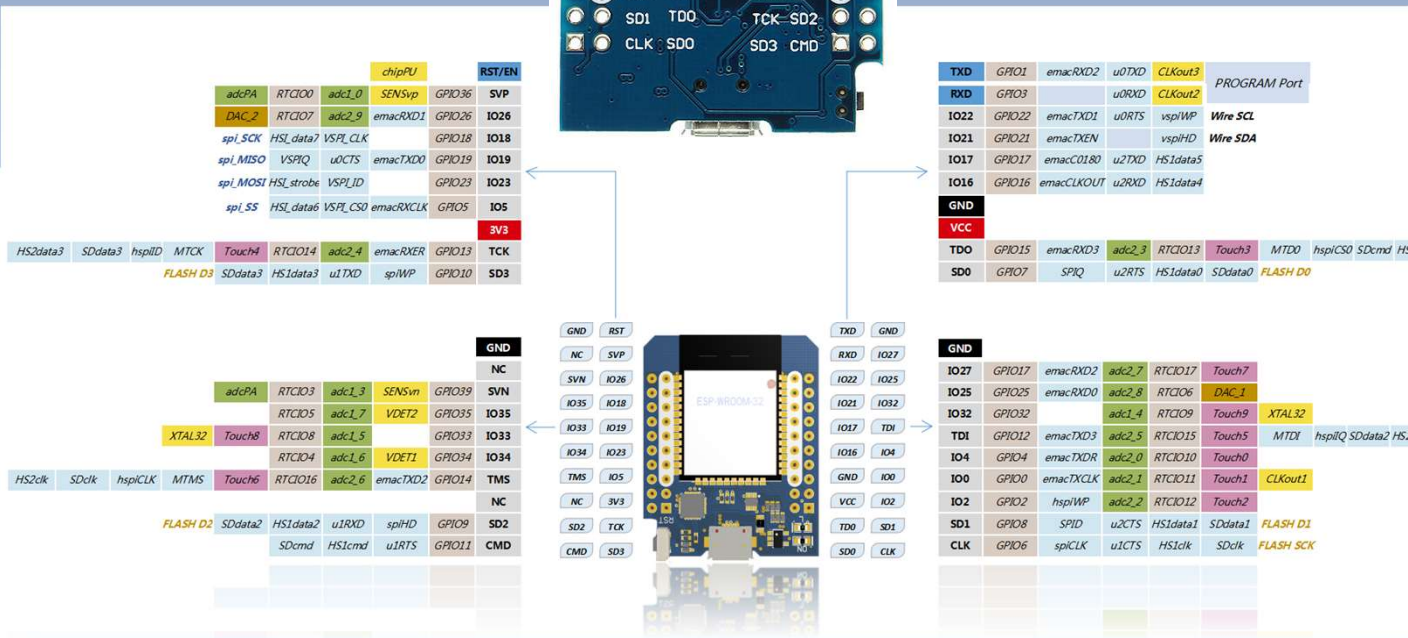




ESP32 pinout (wimos version)

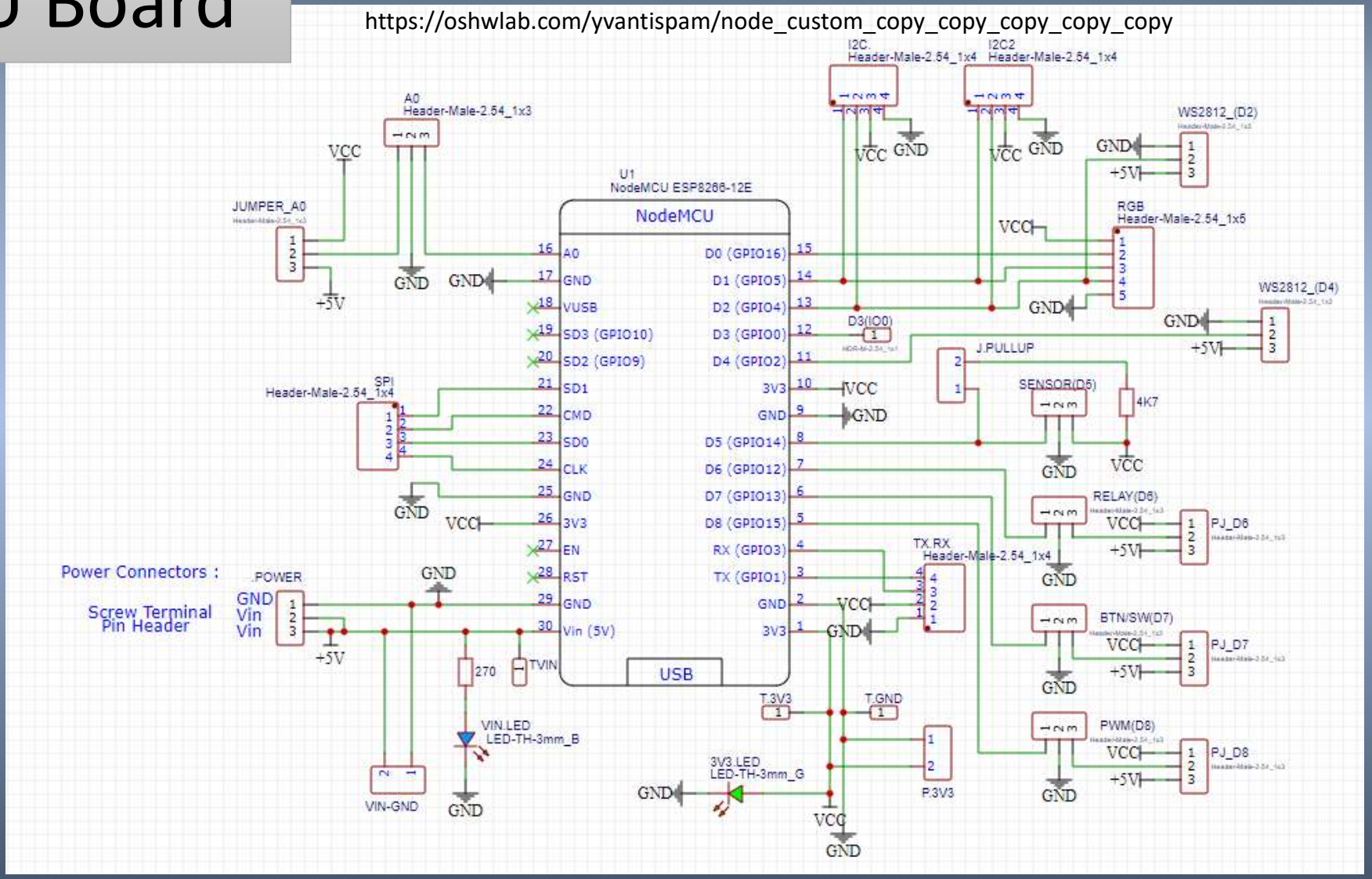




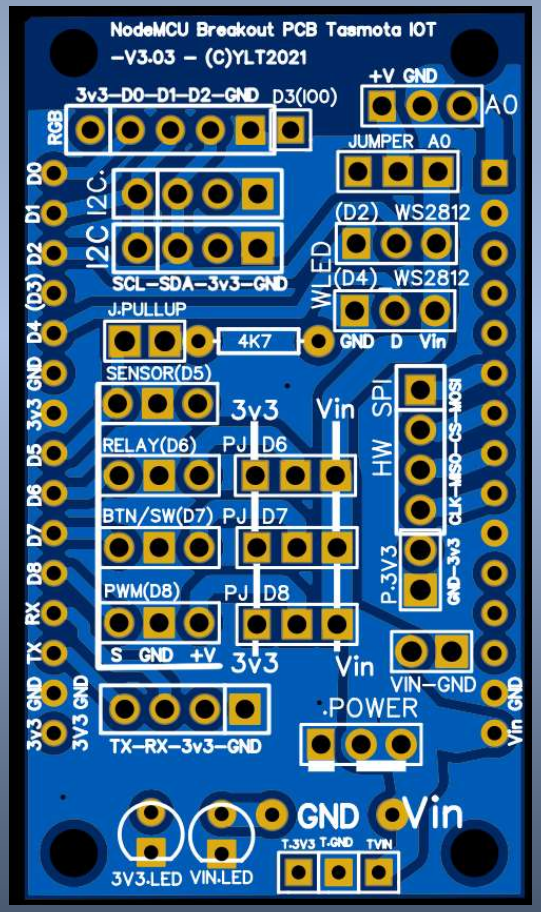


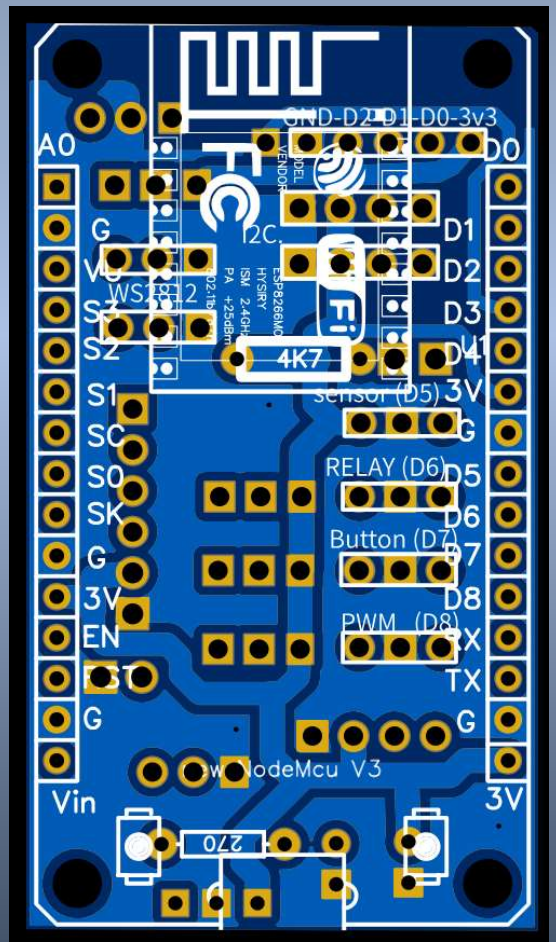
NodeMCU Board

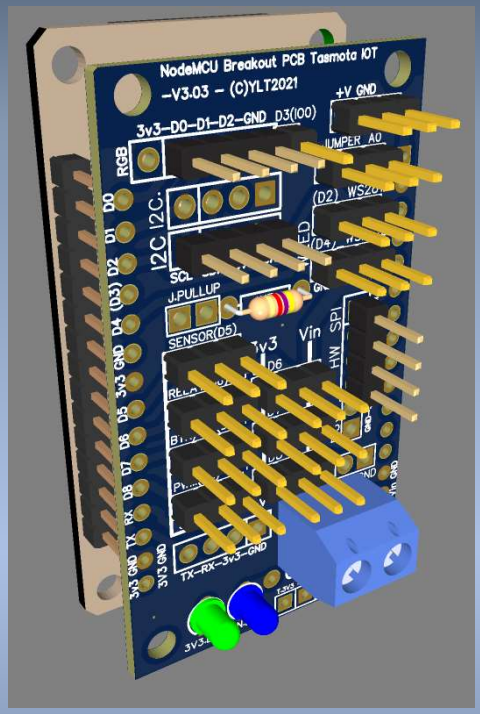
https://oshwlab.com/yvantispam/node_custom_copy_copy_copy_copy_copy



NodeMCU Breakout board

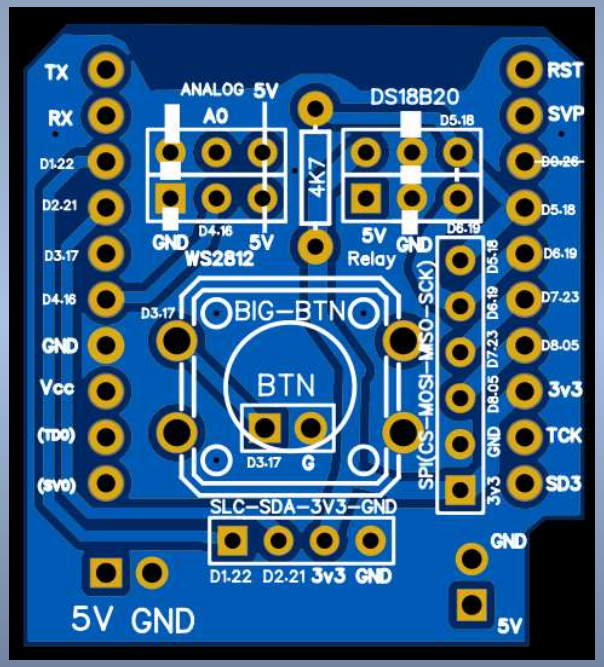


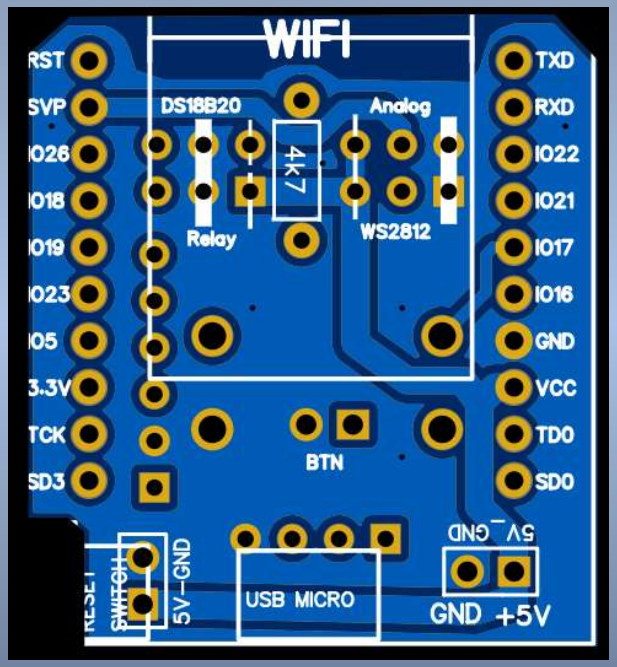




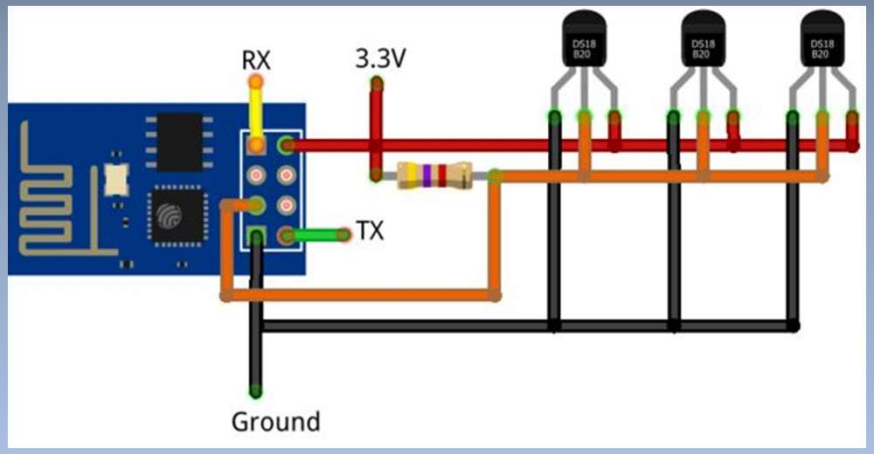
Wimos D1 (and ESP32 wimos) Breakout board

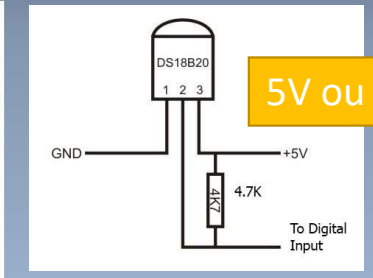
https://oshwlab.com/yvantispam/ESP32-Wimos-D1-IOT-Board



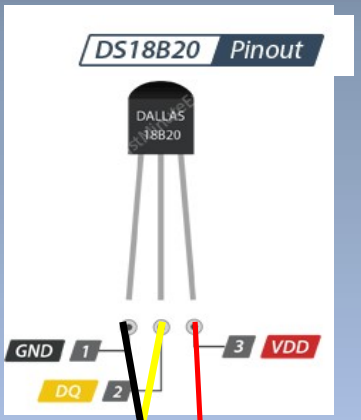


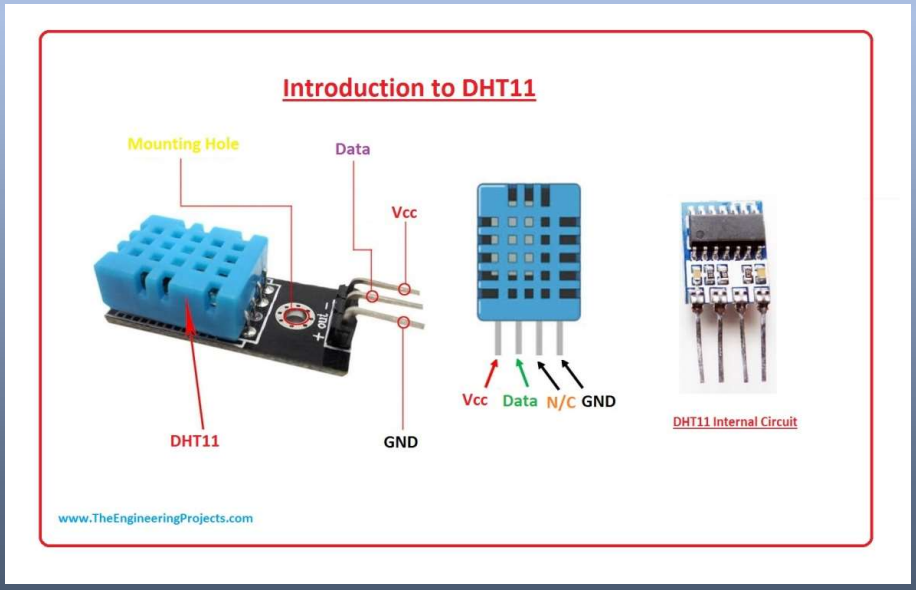
Temperature



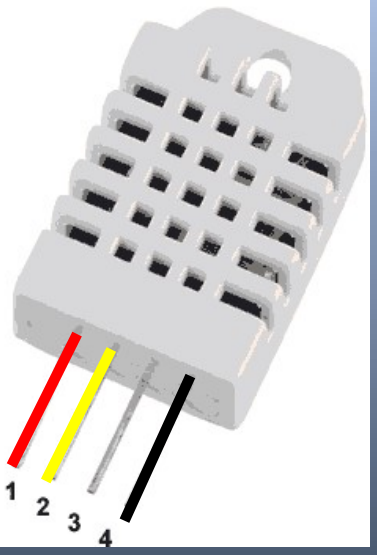


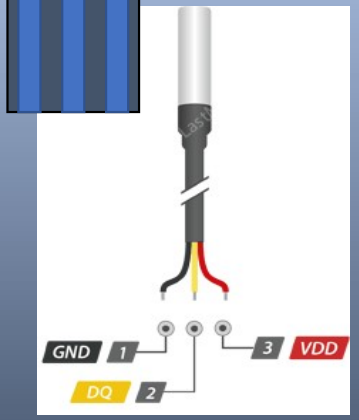
5V ou 3 V ?





DHT22 pins	
1	VCC
2	DATA
3	NC
4	GND





Home assistant

Bouton avec « state » d'autre entité

```
type: 'custom:button-card‘
name: Fer à Repasser
entity: switch.z_tuya_prise04_on_off
label: >
  [[[ return 'Consommation : ' +  states['sensor.z_tuya_prise04_electrical_measurement'].state + ' W'; ]]]
show_name: true
show_last_changed: false
show_state: false
show_label: true
color: auto
color_type: icon
styles:
 name:
   - font-size: 150%
  label:
    - color: gray
    - font-size: 80%
tap_action:
  action: toggle
lock:
  enabled: true
  unlock: double_tap
```

ZHA ne gère pas le paramère « Restore_ after_power_loss » ?