LESR /M
This drawing does not contain additional hardware like capacitors, it does not contain voltage for sensors or LED AND IT MIGHT HAVE ERRORS WHICH YOU ARE SUPPOSED TO FIX
It's just showing how it works basically on my test system with the dev board. I am using 5V for the sensors and LED but it might be incorrect.

Spare UART connector

UART Connector

i dont know about this
connector exactly. I am using
the USB from my dev. board

GPIO 19
UART 1 RX

GPIO 18
UART 1 TX

GPIO22
I2C SCL

I2C connector

Additional I2C outbreak
for additional I2C sensor
not on multiplexer
best with jumper for 3.3 or 5V

GPIO21
I2C SDA

USB connector

GPIO1 ??
UART 0 TX

GPIO3 ??
UART 0 RX

ESP32

GPIO34

Connector

Connectors for additional
sensors, e.g. Radar
best with jumper to select 3.3 or 5V

GPIO35

Connector

Connectors for additional
sensors, e.g. Radar
best with jumper to select 3.3 or 5V

GPIO 23

GPIO 25

GPIO 17

GPIO 16

GPIO 33

GPIO 32

You may change the sequence of these GPIOs if it brings advantages
for the board design, just keep these 8 pins

GPIO 27

GPIO 26

Connector | Connector | Connector | Connector | Connector | Connector | Connector | Connector

GPIO 13
to SCL

GPIO 4
to SDA

LESR 1 | **LESR 2** | **LESR 3** | **LESR 4** | **LESR 5** | **LESR 6** | **LESR 7** | **LESR 8**

GPIO14 to RST

ADPS | ADPS | ADPS | ADPS | ADPS | ADPS | ADPS | ADPS

SDC SDA | SDC SDA | SDC SDA | SDC SDA | SDC SDA | SDC SDA | SDC SDA | SDC SDA

Connector | Connector | Connector | Connector | Connector | Connector | Connector | Connector

SC1
SD2
SC0
SD1
SD0
SC2
SD3
SC3
SD4
SC4
SD5
SC5
SD6
SC6
SD7
SC7

TCA9548A