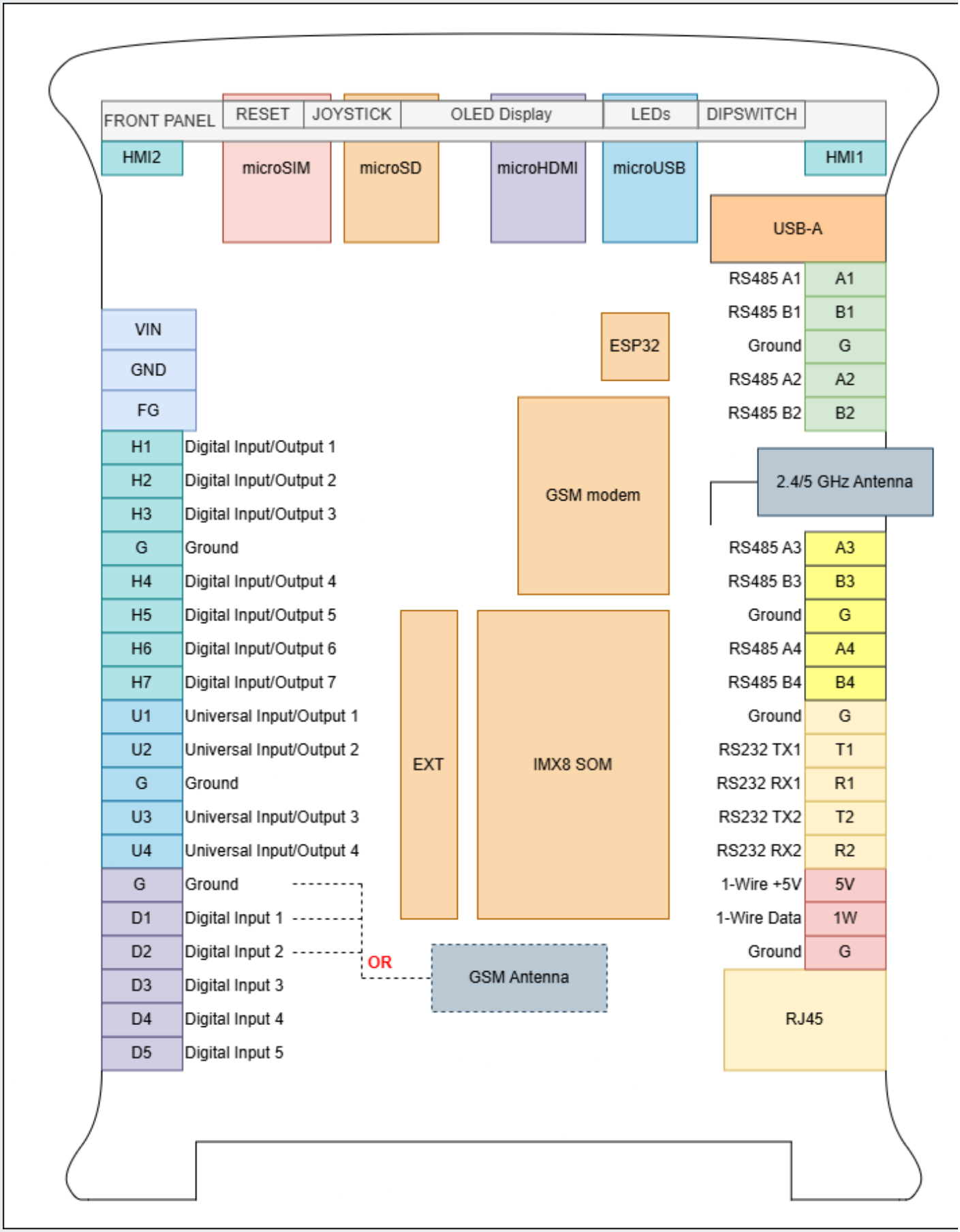
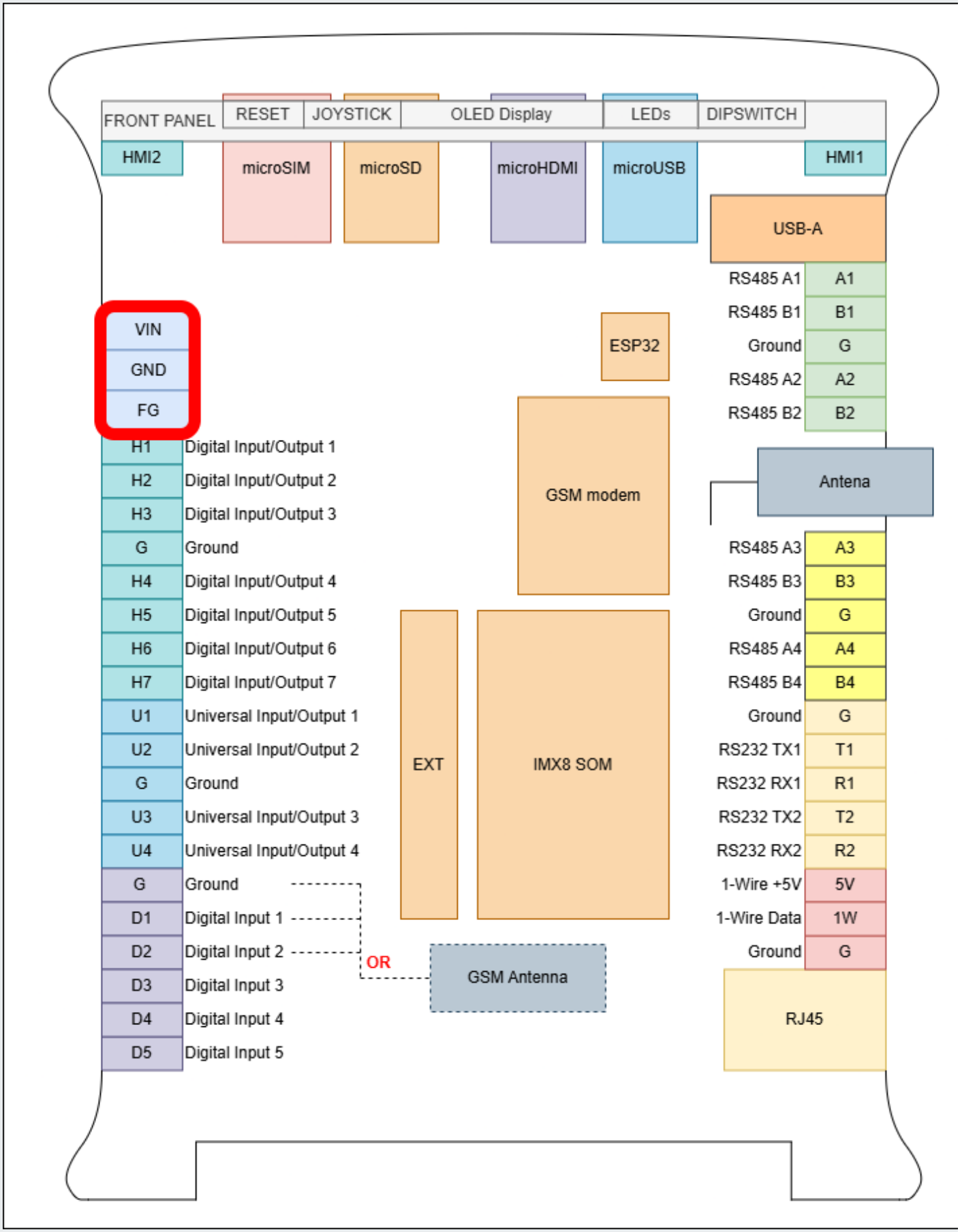
Drawings

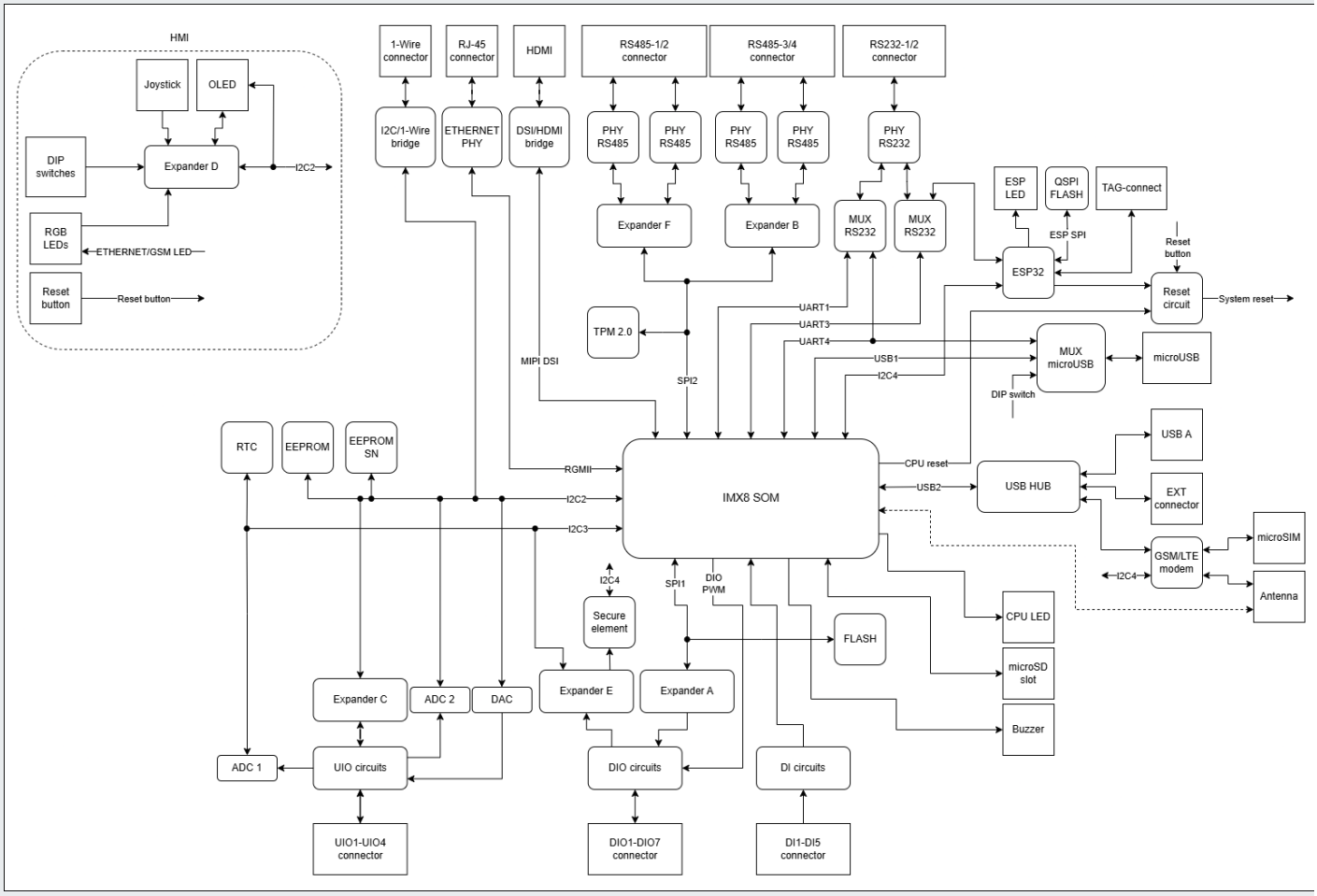
Placement of peripherals



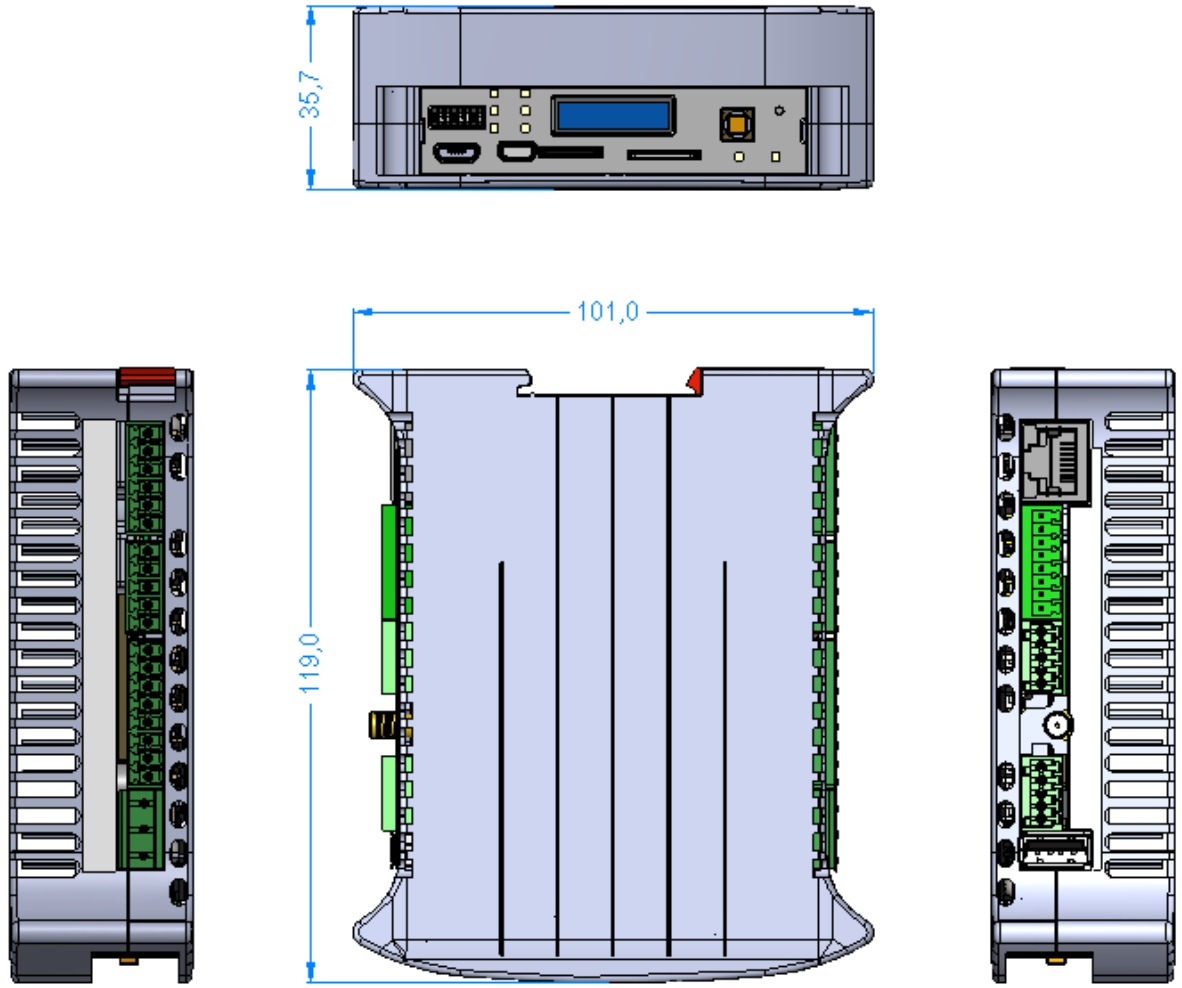
Power supply



Detailed connections diagram


HMI
Joystick
OLED
DIP switches
Expander D
I2C2
RGB LEDs
ETHERNET/GSM LED
Reset button
Reset button
1-Wire connector
RJ-45 connector
HDMI
RS485-1/2 connector
RS485-3/4 connector
RS232-1/2 connector
I2C/1-Wire bridge
ETHERNET PHY
DSI/HDMI bridge
PHY RS485
PHY RS485
PHY RS485
PHY RS485
PHY RS232
Expander F
Expander B
MUX RS232
MUX RS232
ESP LED
QSPI FLASH
TAG-connect
ESP SPI
ESP32
Reset button
Reset circuit
System reset
TPM 2.0
UART1
UART3
UART4
USB1
I2C4
MUX microUSB
microUSB
DIP switch
MIPI DSI
SPI2
RTC
EEPROM
EEPROM SN
RGMII
I2C2
I2C3
IMX8 SOM
CPU reset
USB2
USB HUB
USB A
EXT connector
GSM/LTE modem
microSIM
I2C4
Antenna
I2C4
SPI1
DIO PWM
Secure element
FLASH
CPU LED
microSD slot
Buzzer
Expander C
ADC 2
DAC
Expander E
Expander A
ADC 1
UIO circuits
DIO circuits
DI circuits
UIO1-UIO4 connector
DIO1-DIO7 connector
DI1-DI5 connector

Enclosure



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