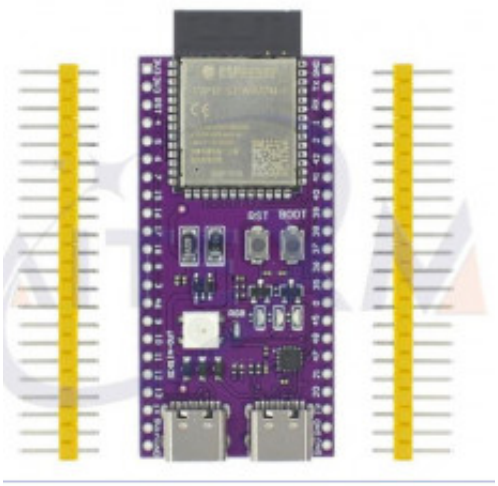
ESP32-S3 N16R8



Produktkode: 800aa
Tilgjengelighet: 1
Weight: 0.00kg
Custom Field 5 (Location): N15

Pris: kr. 180,00

Kort beskrivelse
ESP32-S3 N16R8

Beskrivelse

Description

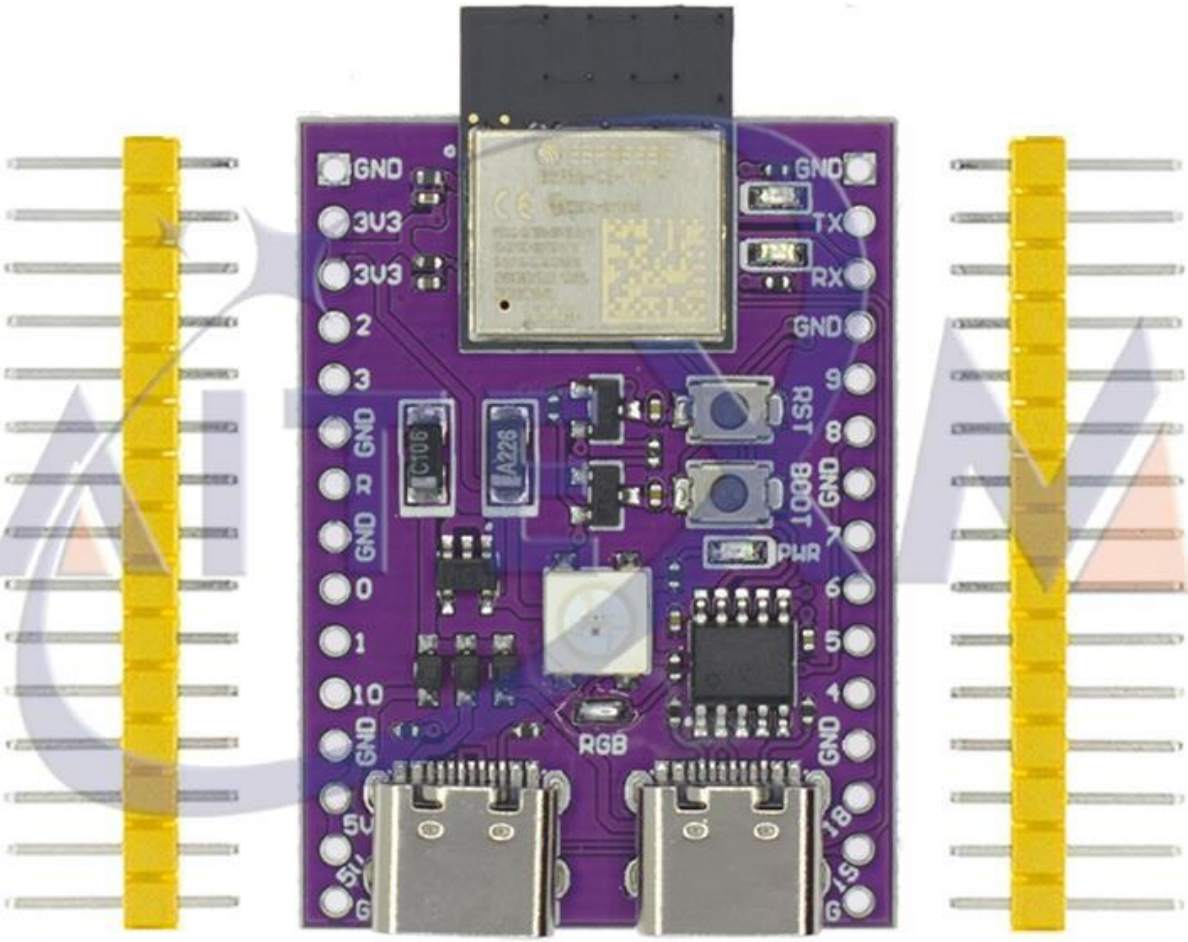
ESP32-S3 WIFI+BLE5.0 Development Boards
Original Espressif modules:ESP32-S3-WROOM-1-N8R2(8M Flash/2SRAM) or

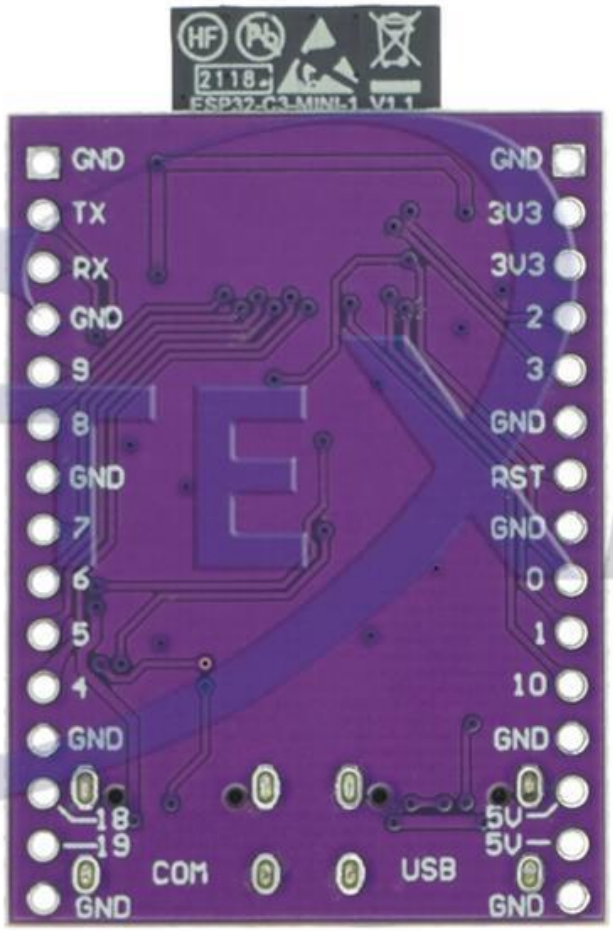
ESP32-S3-WROOM-1-N16R8(16M Flash/8SRAM)

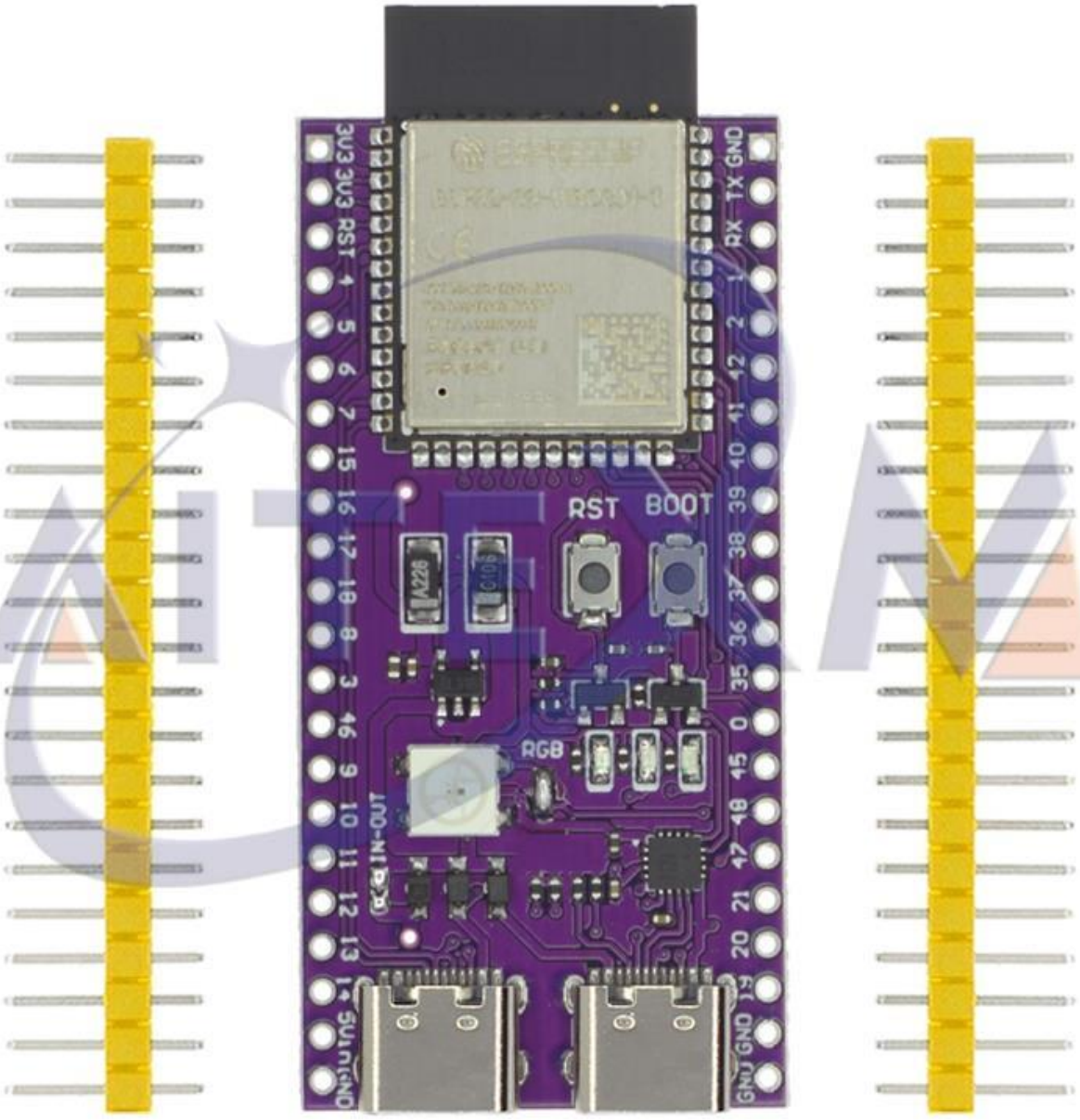
AI IOT/Dual Type-C USB/WS2812B RGB/ESP32-WHO/CH343P

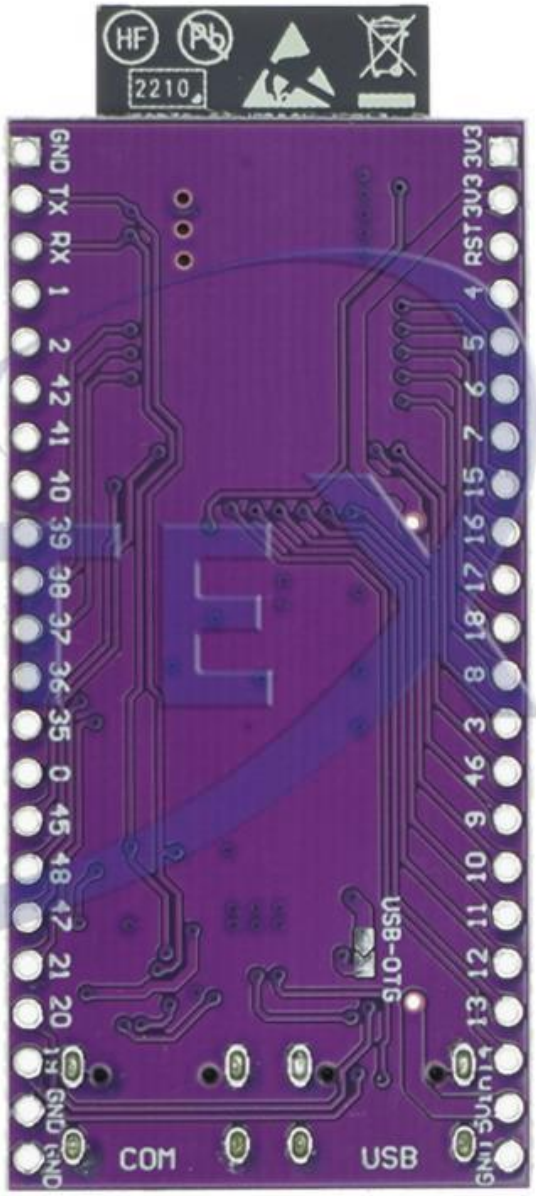
About ESP32-S3-WROOM-1 Storage description

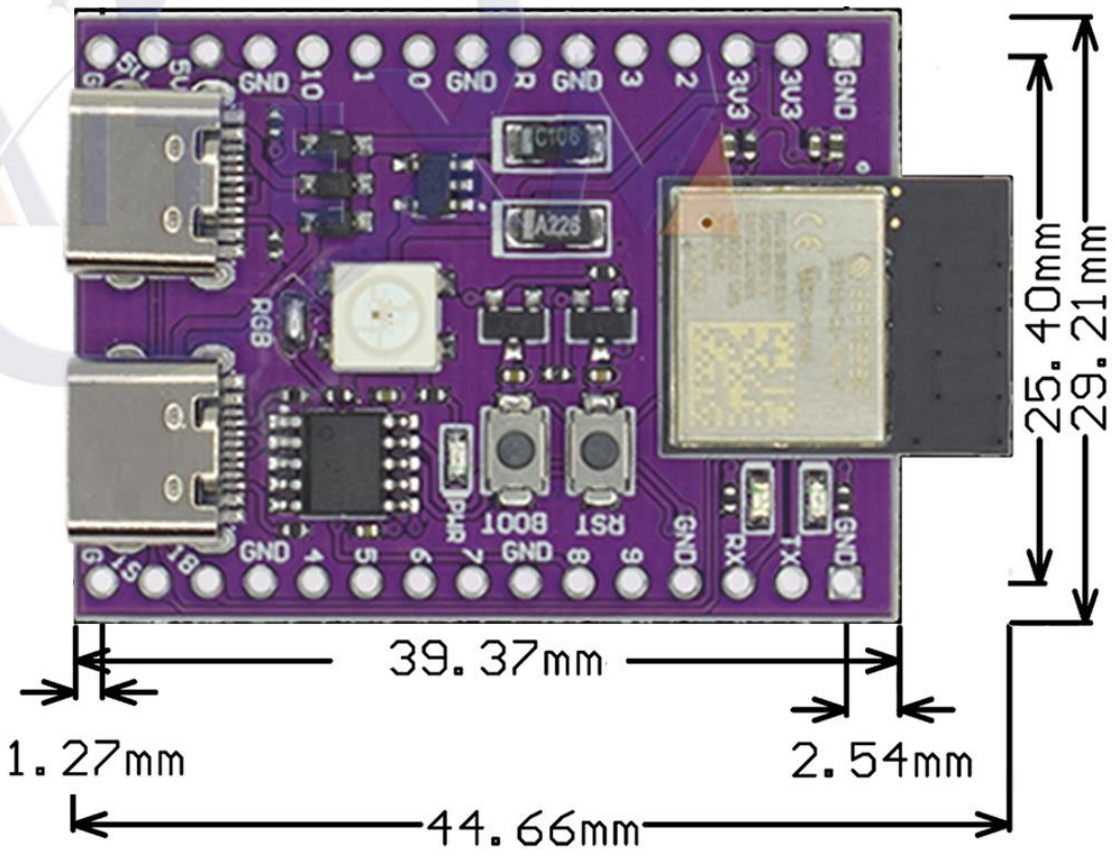
mpn	sram	rom	psram	flash
ESP32-S3-WROOM-1-N4	512K	384K	0M	4M
ESP32-S3-WROOM-1-N8	512K	384K	0M	8M
ESP32-S3-WROOM-1-N16	512K	384K	0M	16M
ESP32-S3-WROOM-1-N4R8	512K	384K	8M	4M
ESP32-S3-WROOM-1-N8R8	512K	384K	8M	8M
ESP32-S3-WROOM-1-N16R8	512K	384K	8M	16M
ESP32-S3-WROOM-1-N4R2	512K	384K	2M	4M
ESP32-S3-WROOM-1-N8R2	512K	384K	2M	8M
ESP32-S3-WROOM-1-N16R2	512K	384K	2M	16M
ESP32-S3-WROOM-1-N8R8	512K	384K	8M	8M
ESP32-S3-WROOM-1-N16R8	512K	384K	8M	16M

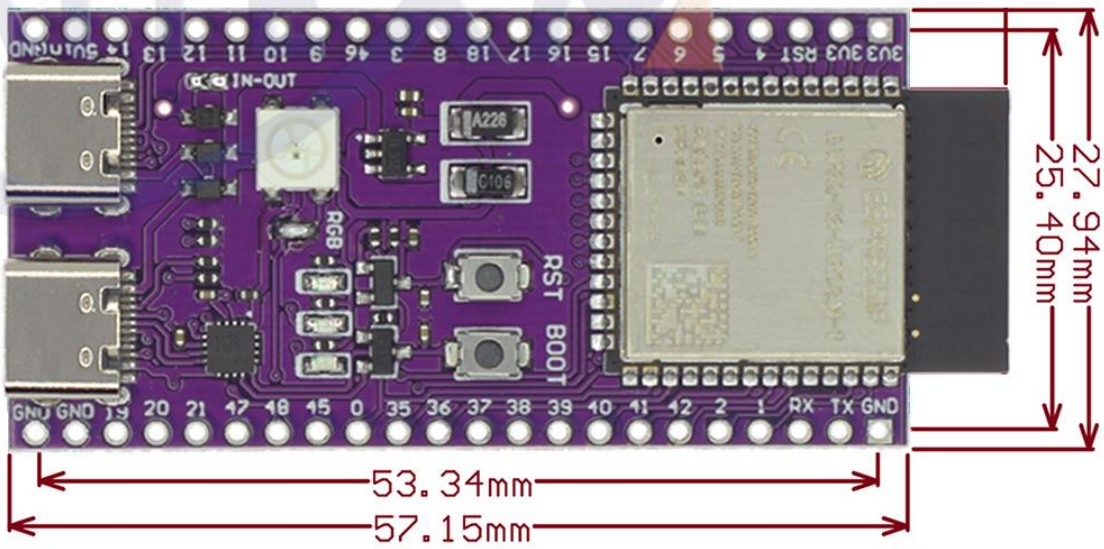

GND
3V3
3V3
2
3
GND
R
GND
0
1
10
GND
5V
5V
G
GND
TX
RX
GND
9
8
GND
7
6
5
4
GND
18
5V
G
RST
BOOT
PWR
RGB
C106
A226


2118
ESP32-C3-MINI-1 V1.1
GND
TX
RX
GND
9
8
GND
7
6
5
4
GND
18
19
GND
GND
3V3
3V3
2
3
GND
RST
GND
0
1
10
GND
5V
5V
GND
COM
USB


3V3
3V3
RST
4
5
6
7
15
16
17
18
8
3
46
9
10
11
21
12
13
5V
GND
GND
5V
GND
43
44
1
2
41
42
40
39
38
37
36
35
0
45
48
47
21
20
19
GND
GND
RX
TX
GND
RST
BOOT
RGB
5V IN-OUT

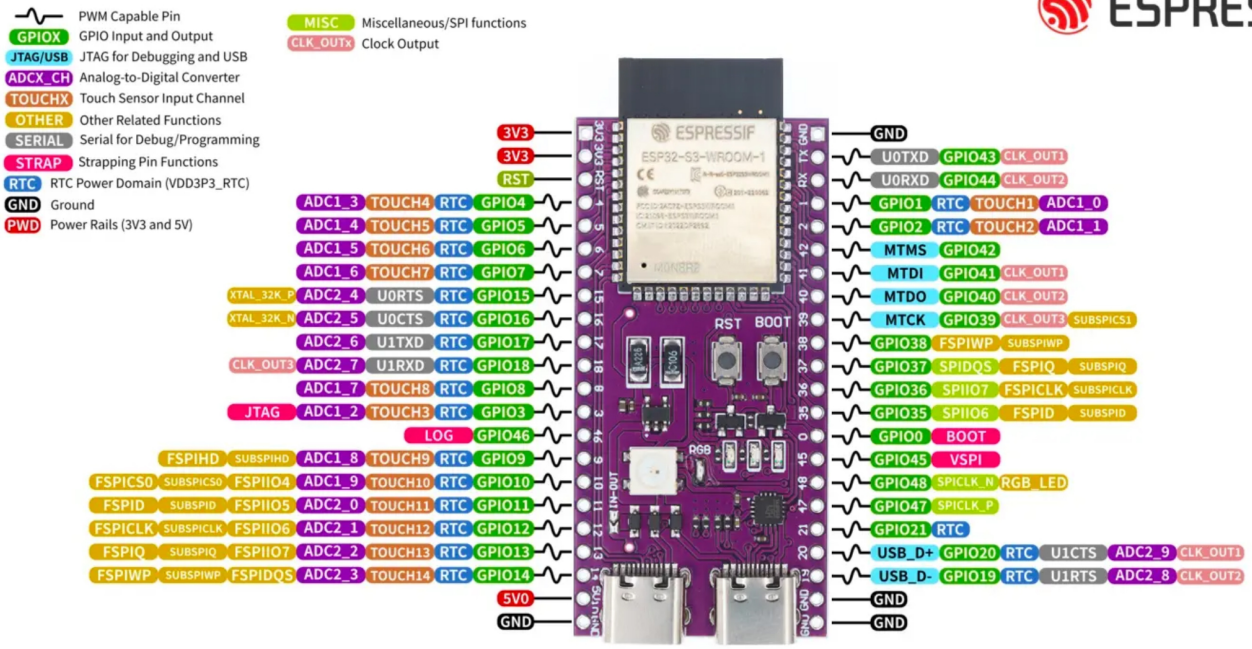

HF
Pb
2210
GND TX RX 1 2 42 41 40 39 38 37 36 35 0 45 48 47 21 20
RST 3V3 3V3 4 5 6 7 15 16 17 18 8 3 46 9 10 11 12 13
5V GND GND
COM
USB
USB-OTG


GND
10
1
0
GND
R
GND
3
2
3V3
3V3
GND
C106
A22S
RGB
PWR
BOOT
RST
GND
RX
TX
GND
GND
4
5
6
7
GND
8
9
GND
15
18
25.40mm
29.21mm
39.37mm
1.27mm
2.54mm
44.66mm



View more

pinout


PWM Capable Pin
GPIOX GPIO Input and Output
JTAG/USB JTAG for Debugging and USB
ADCX_CH Analog-to-Digital Converter
TOUCHX Touch Sensor Input Channel
OTHER Other Related Functions
SERIAL Serial for Debug/Programming
STRAP Strapping Pin Functions
RTC RTC Power Domain (VDD3P3_RTC)
GND Ground
PWD Power Rails (3V3 and 5V)
MISC Miscellaneous/SPI functions
CLK_OUTx Clock Output
ESPRESSIF
ESP32-S3-WROOM-1
RST
BOOT
RGB
3V3
3V3
RST
ADC1_3 TOUCH4 RTC GPIO4
ADC1_4 TOUCH5 RTC GPIO5
ADC1_5 TOUCH6 RTC GPIO6
ADC1_6 TOUCH7 RTC GPIO7
XTAL_32K_P ADC2_4 U0RTS RTC GPIO15
XTAL_32K_N ADC2_5 U0CTS RTC GPIO16
ADC2_6 U1TXD RTC GPIO17
CLK_OUT3 ADC2_7 U1RXD RTC GPIO18
ADC1_7 TOUCH8 RTC GPIO8
JTAG ADC1_2 TOUCH3 RTC GPIO3
LOG GPIO46
FSPIHD SUBSPIHD ADC1_8 TOUCH9 RTC GPIO9
FSPICS0 SUBSPICS0 FSPIIO4 ADC1_9 TOUCH10 RTC GPIO10
FSPID SUBSPID FSPIIO5 ADC2_0 TOUCH11 RTC GPIO11
FSPICLK SUBSPICLK FSPIIO6 ADC2_1 TOUCH12 RTC GPIO12
FSPIQ SUBSPIQ FSPIIO7 ADC2_2 TOUCH13 RTC GPIO13
FSPIWP SUBSPIWP FSPIDQS ADC2_3 TOUCH14 RTC GPIO14
5V0
GND
GND
U0TXD GPIO43 CLK_OUT1
U0RXD GPIO44 CLK_OUT2
GPIO1 RTC TOUCH1 ADC1_0
GPIO2 RTC TOUCH2 ADC1_1
MTMS GPIO42
MTDI GPIO41 CLK_OUT1
MTDO GPIO40 CLK_OUT2
MTCK GPIO39 CLK_OUT3 SUBSPICS1
GPIO38 FSPIWP SUBSPIWP
GPIO37 SPIDQS FSPIQ SUBSPIQ
GPIO36 SPIIO7 FSPICLK SUBSPICLK
GPIO35 SPIIO6 FSPID SUBSPID
GPIO0 BOOT
GPIO45 VSPI
GPIO48 SPICLK_N RGB_LED
GPIO47 SPICLK_P
GPIO21 RTC
USB_D+ GPIO20 RTC U1CTS ADC2_9 CLK_OUT1
USB_D- GPIO19 RTC U1RTS ADC2_8 CLK_OUT2
GND
GND