



EN: This Datasheet/Document is presented by the manufacturer.

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ESP32 DEVKIT V1 PINOUT

POWER

GND

Serial Pin

Analog Pin

Control

Physical Pin

Port Pin

Touch Pin

DAC Pin

Chip-enable signal,Active High.

EN

pin15

ADC PA

RTC_GPIO0

ADC1_CH0

SENSOR_VP

GPI036

pin14

ADC PA

RTC_GPIO3

ADC1_CH3

SENSOR_VN

GPI039

pin13

RTC_GPIO4

ADC1_CH6

VDET1

GPI034

pin12

RTC_GPIO5

ADC1_CH7

VDET2

GPI035

pin11

XTAL_32kHz

Touch9

RTC_GPIO9

ADC1_CH4

GPI032

pin10

XTAL_32kHz

Touch8

RTC_GPIO8

ADC1_CH5

GPI033

pin9

DAC_1

RTC_GPIO6

ADC2_CH8

EMAC_RXD0

GPI025

pin8

DAC_2

RTC_GPIO7

ADC2_CH9

EMAC_RXD1

GPI026

pin7

Touch7

RTC_GPIO17

ADC2_CH7

EMAC_RX_DV

GPI027

pin6

HS2_CLK

SD_CLK

HSPI_CLK

MTMS

Touch6

RTC_GPIO16

ADC2_CH6

EMAC_TXD2

GPI014

pin5

HS2_DATA2

SD_DATA2

HSPI_MISO

MTDI

Touch5

RTC_GPIO15

ADC2_CH5

EMAC_TXD3

GPI012

pin4

HS2_DATA3

SD_DATA3

HSPI_MOSI

MTCK

Touch4

RTC_GPIO14

ADC2_CH4

EMAC_RX_ER

GPI013

pin3

GND

pin2

VIN

pin1

ESP-WROOM-32

CE 1313

211-161007

FCC ID:2AC7Z-ESPWROOM32

pin15

GPI023

SPI_MOSI

HS1_STROBE

pin14

GPI022

EMAC_TXD1

U0RTS

I2C_SCL

pin13

GPI01

EMAC_RXD2

U0TXD

CLK OUT3

pin12

GPI03

U0RXD

CLK OUT2

pin11

GPI021

EMAC_TX_EN

I2C_SDA

pin10

GPI019

EMAC_TXD0

U0CTS

SPI_MISO

pin9

GPI018

SPI_CLK

HS1_DATA7

pin8

GPI05

EMAC_RX_CLK

SPI_CS0

HS1_DATA6

pin7

GPI017

EMAC_CLKOUT180

U2_TXD

HS1_DATA5

pin6

GPI016

EMAC_CLKOUT

U2_RXD

HS1_DATA4

pin5

GPI04

EMAC_TX_ER

ADC2_CH0

RTCI010

Touch0

HSPIHD

SD_DATA1

HS2_DATA1

pin4

GPI02

ADC2_CH2

RTCI012

Touch2

HSPIWP

pin3

GPI015

EMAC_RXD3

ADC2_CH3

RTCI013

Touch3

MTDO

HSPI_CS0

SD_CMD

HS2_CMD

pin2

GND

pin1

VDD 3V3