Hardware Block:

40MHz
XTAL

OUT IN

VDD33

ESP32-D0WD-V3

Antenna

RF Matching

EN

GPIOs

VDD_SDIO
SPICS0
FLASH_CLK
SPIQ
SPID
SPIHD
SPIWP
SRAM_CLK
SPICS1

FLASH   PSRAM

The values of C1 and C2 vary with
the selection of the crystal.

The value of R2 varies with the actual
PCB board.

The values of C15, L4 and C14
vary with the actual PCB board.

NC: No component.

Flash and PSRAM

PCB ANTENNA

Pin.1 GND	Pin.38 GND
Pin.2 3V3	Pin.37 IO23
Pin.3 EN	Pin.36 IO22
Pin.4 SENSOR_VP	Pin.35 TXD0
Pin.5 SENSOR_VN	Pin.34 RXD0
Pin.6 IO34	Pin.33 IO21
Pin.7 IO35	Pin.32 NC
Pin.8 IO32	Pin.31 IO19
Pin.9 IO33	Pin.30 IO18
Pin.10 IO25	Pin.29 IO5
Pin.11 IO26	Pin.28 NC
Pin.12 IO27	Pin.27 NC
Pin.13 IO14	Pin.26 IO4
Pin.14 IO12	Pin.25 IO0
Pin.15 GND	Pin.24 IO2
Pin.16 IO13	Pin.23 IO15
Pin.17 NC	Pin.22 NC
Pin.18 NC	Pin.21 NC
Pin.19 NC	Pin.20 NC

EPAD

Espressi