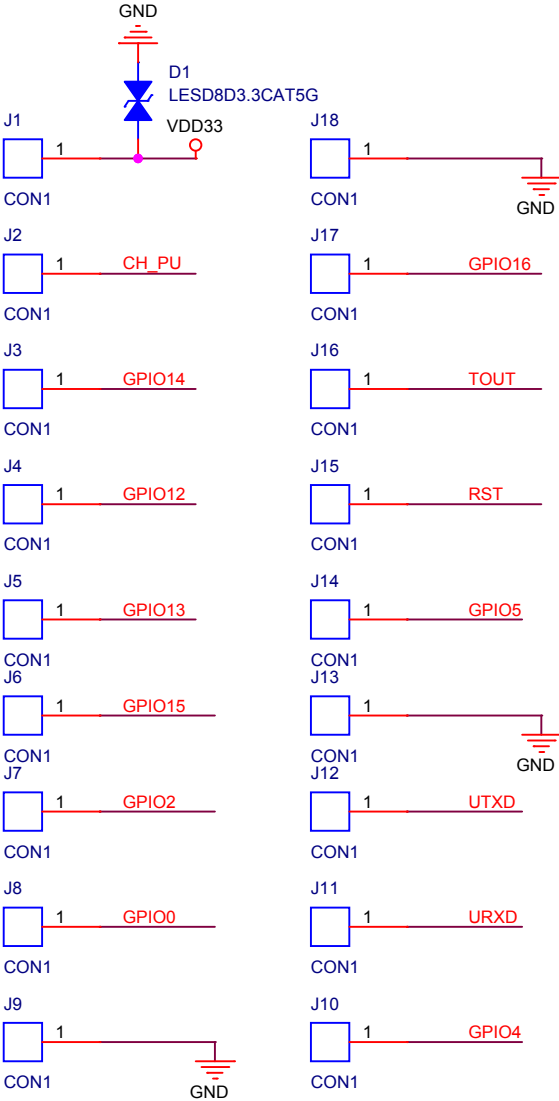The values of C1 and C2 vary with
the selection of the crystal.

The value of R4 varies with the actual
PCB board.

The values of C4, L1 and C5
vary with the actual PCB board.

D1
LESD8D3.3CAT5G

J1 CON1
J2 CON1 CH_PU
J3 CON1 GPIO14
J4 CON1 GPIO12
J5 CON1 GPIO13
J6 CON1 GPIO15
J7 CON1 GPIO2
J8 CON1 GPIO0
J9 CON1

J18 CON1 GND
J17 CON1 GPIO16
J16 CON1 TOUT
J15 CON1 RST
J14 CON1 GPIO5
J13 CON1 GND
J12 CON1 UTXD
J11 CON1 URXD
J10 CON1 GPIO4

VDD33
C6 1uF
C8 1uF(NC)
R1 12K±1%
R4 0R±1%

C1 6.8pF
U1
XIN XOUT
GND GND
26MHz±10ppm
C2 6.8pF

VDD33
C10 10uF(NC)
C9 10uF
C3 0.1uF
L2 4.3nH
C7 22pF

UTXDA R2 499R±1% RST
UTXD
URXD
C11 5.6pF(NC) C12 5.6pF(NC)

ANT1
WIFI_ANT L1 TBD
C4 TBD C5 TBD

U2 ESP8266EX
1 VDDA
2 LNA
3 VDD3P3
4 VDD3P3
5 VDD_RTC
6 TOUT
7 CHIP_EN
8 XPD_DCDC

33 GND
32 EXT_RSTB
31 RES12K
30 VDDA
29 VDDD
28 XTAL_IN
27 XTAL_OUT
26 U0TXD
25 U0RXD

24 GPIO5
23 SD_DATA_1
22 SD_DATA_0
21 SD_CLK
20 SD_CMD
19 SD_DATA_3
18 SD_DATA_2
17 VDDPST

GPIO5
SD_D1
SD_D0
SD_CLK
R3 200R SD_CMD
SD_D3
SD_D2

9 MTMS
10 MTDI
11 VDDPST
12 MTCK
13 MTDO
14 GPIO2
15 GPIO0
16 GPIO4

GPIO14
GPIO12
GPIO13
GPIO15
GPIO2
GPIO0
GPIO4

TOUT
CH_PU
GPIO16

VDD33

U3 FLASH
1 /CS   VCC 8
6 CLK   DI 5
7 /HOLD   DO 2
4 GND   /WP 3

SD_CMD
SD_CLK
SD_D2

SD_D1
SD_D0
SD_D3

VDD33