

U1
ESP32-WROOM-32UE

Pin	Signal	Notes
1	GND1	
2	3V3	
3	EN	
4	SENSOR_VP	
5	SENSOR_VN	
6	IO34	
7	IO35	
8	IO32	
9	IO33	
10	IO25	
11	IO26	
12	IO27	
13	IO12	
14	IO14	
39	P_GND	
38	GND3	
37	U0RTS	For Flash/debug
36	U0TXD	
35	U0RXD	
34	U0CTS	
33	NC	
32	IO19	
31	IO18	
30	IO5	
29	IO17	
28	IO16	
27	IO4	
26	IO0	
25	IO2	
44	GND2	
43	IO13	
42	IO12	
41	IO11	
40	IO10	
39	IO9	
38	IO8	
37	IO7	
36	IO6	
35	IO5	
34	IO4	
33	IO3	
32	IO2	
31	IO1	
30	IO0	
29	IO1	
28	IO2	
27	IO3	
26	IO4	
25	IO5	
24	IO6	
23	IO7	
22	IO8	
21	IO9	
20	IO10	
19	IO11	
18	IO12	
17	IO13	
16	IO14	
15	IO15	

SOC: ESP32-D0WD-V3

CS0
U2CTS
U2RTS

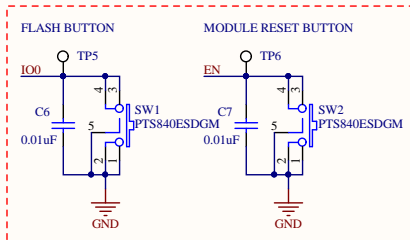
1. ESP32-WROOM-32: PCB Antenna, -40C +85C.
2. ESP32-WROOM-32UE (recomm): Ipex antenna connector, -40C +85C.
3. ESP32-WROOM-32E (recomm): PCB Antenna, -40C +85C

The diagram shows the following connections for the TTL-232R-3V3 module:

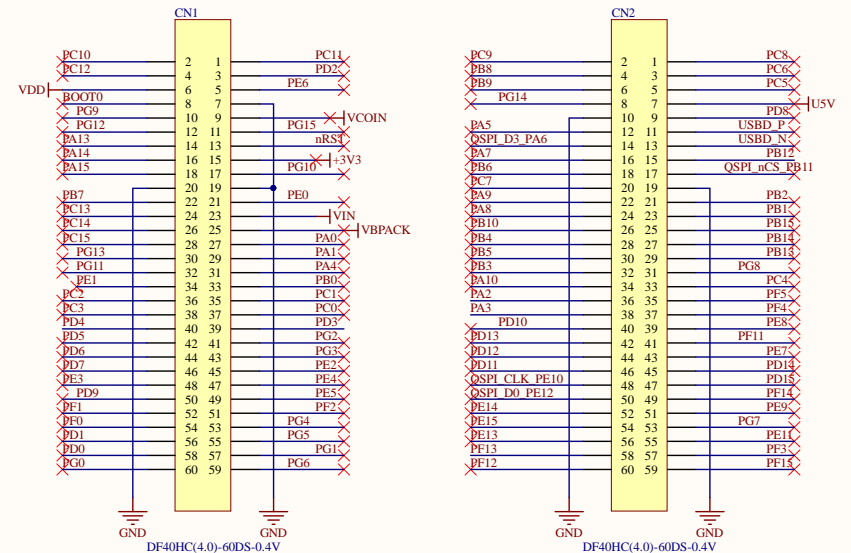
- U0RXD** (blue wire) → **R8** (blue resistor) → **OR** (blue wire) → **Pin 2 (CTS#)**
- U0TXD** (blue wire) → **R9** (blue resistor) → **OR** (blue wire) → **Pin 4 (TXD <=> o/p)**
- DTR** (red wire) → **Pin 1 (GND)**
- RTS** (blue wire) → **Pin 5 (RTS#)**
- VSERIAL** (red wire) → **Pin 3 (VCC)**
- Pin 6 (RXD <=> i/p)** is connected to ground.

For ESP32 F/W flashing & debugging

NOTE: connector (CN5) will NOT be mounted (default)



Bottom Side MATING Connectors (4mm stacking Height)



1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---