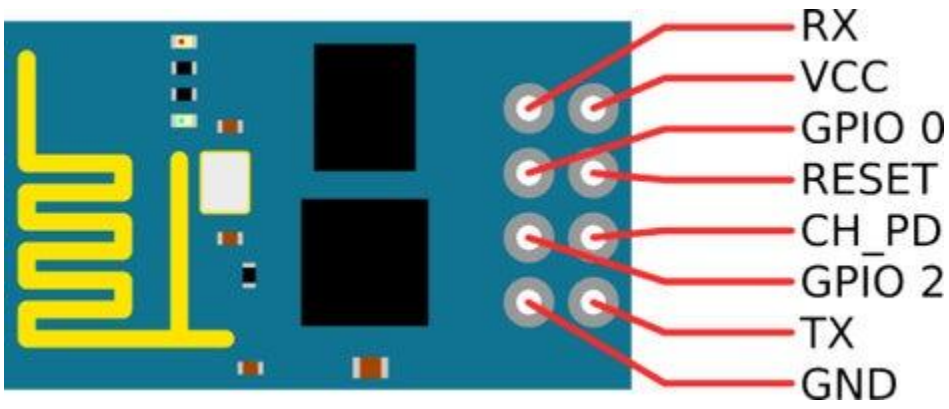
Research on ESP8266 Wifi Module

Do Not Confuse with ESP 32

Schematic Diagram



CH_PD should Be **High at all times.**
VCC should be Connected TO 3.33 V SUPPLY **AND NOT 5 V SUPPLY IT WILL FRY THE CHIP !**
GND should be connected to Ground.
RST will **reset the Board on Low voltage**, Hence **Keep on High.**
GPIO 0 and GPIO 2 are General Purpose Input and Output Pins Should be left disconnected.

For Testing ESP8266
TX to TX
RX to RX

For other purposes
TX to RX
RX to TX

Initialisation

- Start Arduino and open the Preferences window.
- Enter `https://arduino.esp8266.com/stable/package_esp8266com_index.json` into *Additional Board Manager URLs* field. You can add multiple URLs, separating them with commas.
- Open Boards Manager from Tools > Board menu and find *esp8266* platform.
- Select the version you need from a drop-down box.
- Click the install button.
- Don't forget to select your ESP8266 board from the Tools > Board menu after installation.
- Write a Blank sketch while connected to Arduino to ESP8266.

—-x—-x—-x—-x—-x—-x—-x—-

- The ESP8266 is a Microcontroller in its own right and should be able to perform Microcontroller stuff.
- Baud Rate : 115200 Bps
- Use AT Instruction Set
-