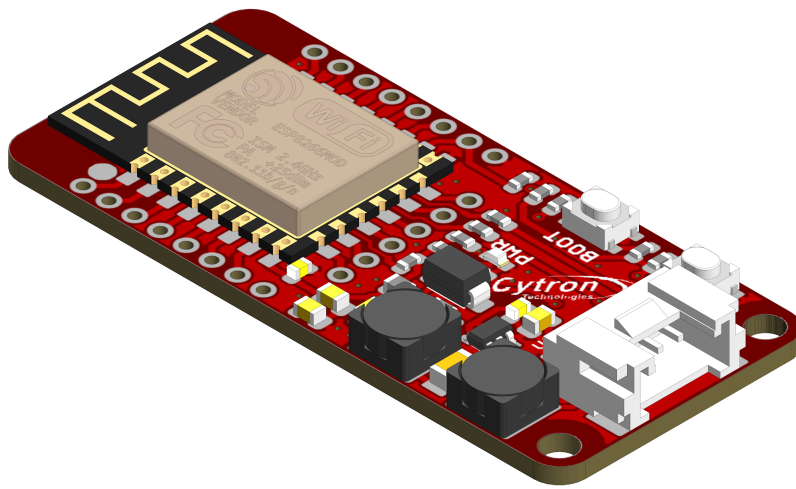




## GROVE WIFI 8266



### Datasheet

Rev 1.0  
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## 1. BOARD LAYOUT & FUNCTION

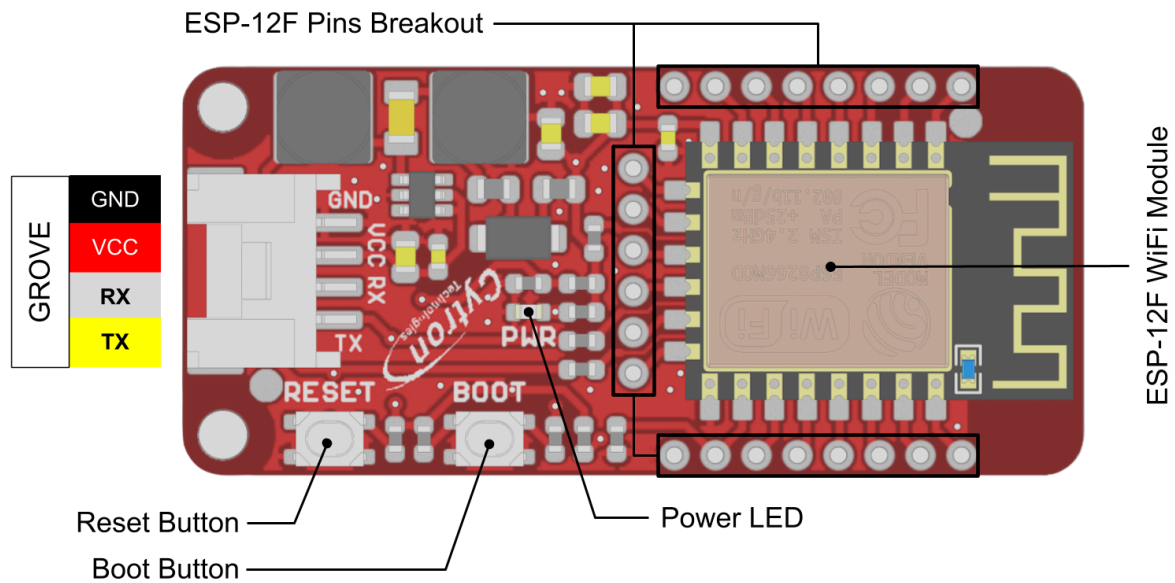


Figure 1: GRV-WIFI-8266 Board Functions

Function	Description
<b>Grove Port</b>	Connect to the host controller. <ul style="list-style-type: none"> <li>• GND : Ground</li> <li>• VCC : Positive Supply (3V - 6V)</li> <li>• RX : Serial Rx pin for ESP8266. Connect to host's Tx.</li> <li>• TX : Serial Tx pin for ESP8266. Connect to host's Rx.</li> </ul>
<b>Reset Button</b>	Press to reset the ESP8266.
<b>Boot Button</b>	Press and hold this button while resetting the ESP8266 will enter the bootloader mode. Used to update the firmware or program the ESP8266.
<b>Power LED</b>	Turn on when powered up.
<b>ESP-12F Pins Breakout</b>	Breakout of the pins for ESP-12F module. Refer to the bottom of the PCB for pinout.
<b>ESP-12F WiFi Module</b>	Ai-Thinker ESP-12F WiFi module. Powered by the ESP8266.

Table 1: GRV-WIFI-8266 Board Functions

## 2. SPECIFICATIONS

No	Parameters		Min	Max	Unit
1	Power Input Voltage (VCC)		3.0	6.0	V
2	Digital Input Voltage (Rx & GPIOs)	Low Level	-0.3	0.8	V
		High Level	2.5	3.6	V
3	Digital Output Voltage (Tx & GPIOs)	Low Level	0	0.4	V
		High Level	2.6	3.3	V
4	Operating Temperature		-20	85	°C

*Table 2: GRV-WIFI-8266 Specifications*

### 3. DIMENSION

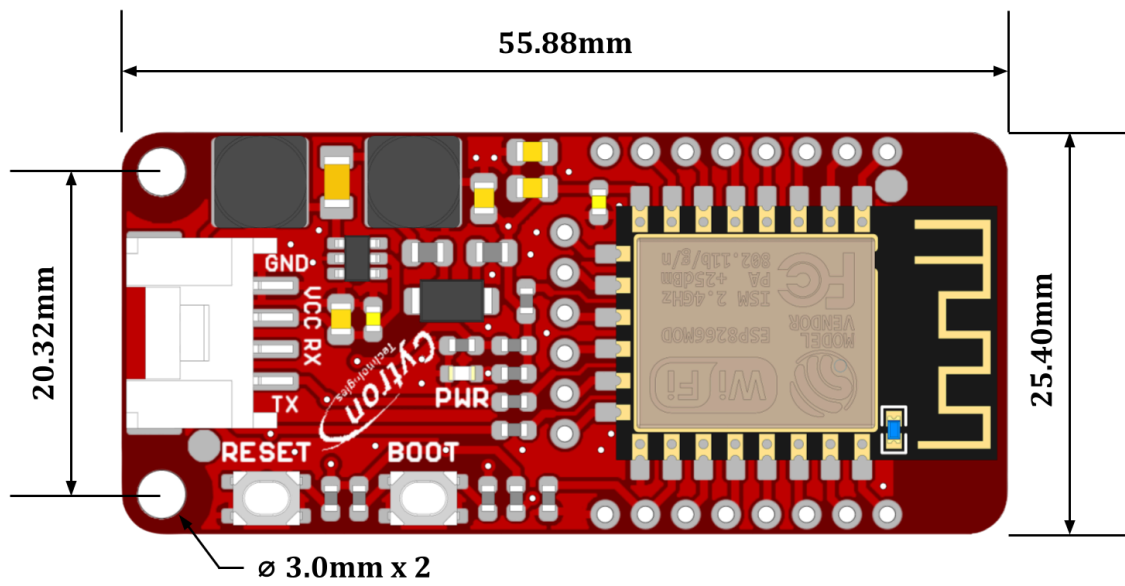


Figure 2: GRV-WIFI-8266 Dimension

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