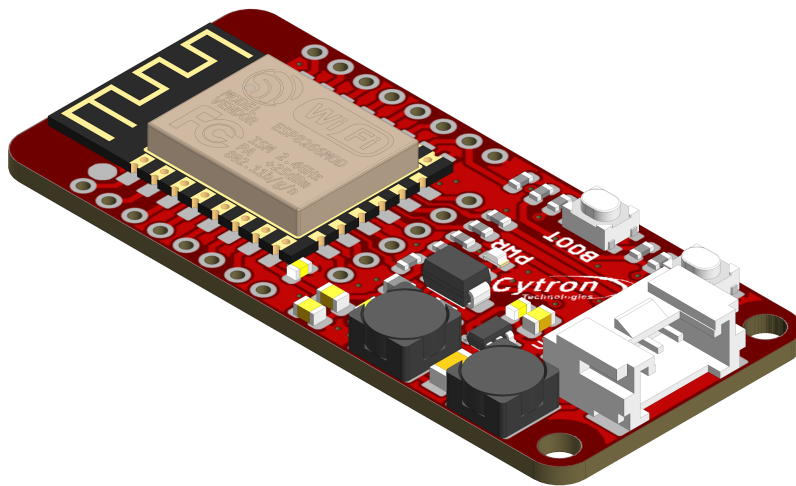




GROVE WIFI 8266



Datasheet

Rev 1.0
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1. BOARD LAYOUT & FUNCTION

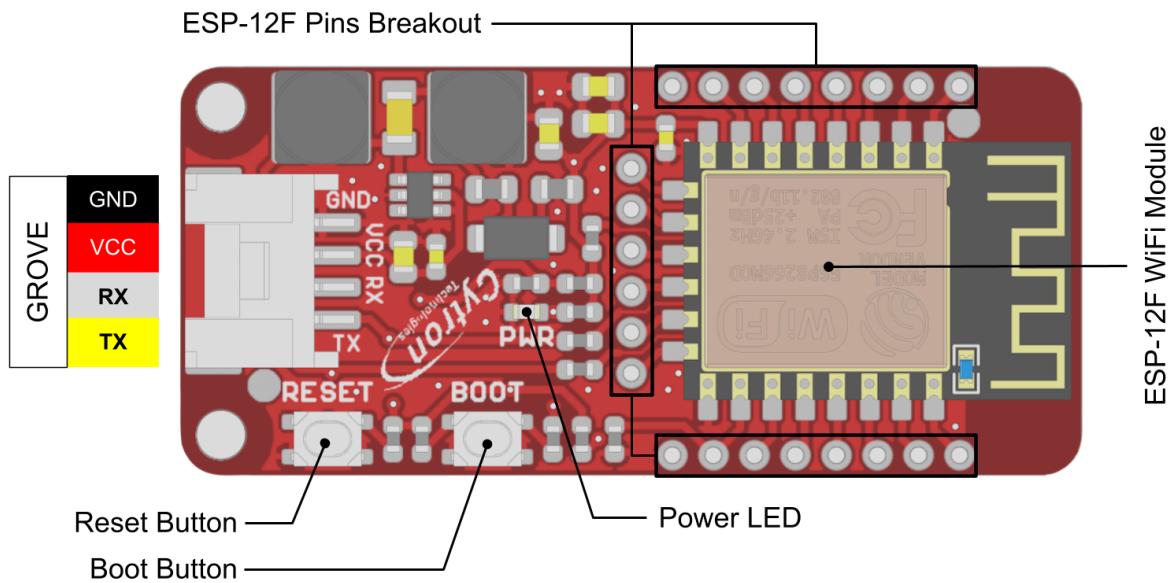


Figure 1: GRV-WIFI-8266 Board Functions

Function	Description
Grove Port	Connect to the host controller. • GND : Ground • VCC : Positive Supply (3V - 6V) • RX : Serial Rx pin for ESP8266. Connect to host's Tx. • TX : Serial Tx pin for ESP8266. Connect to host's Rx.
Reset Button	Press to reset the ESP8266.
Boot Button	Press and hold this button while resetting the ESP8266 will enter the bootloader mode. Used to update the firmware or program the ESP8266.
Power LED	Turn on when powered up.
ESP-12F Pins Breakout	Breakout of the pins for ESP-12F module. Refer to the bottom of the PCB for pinout.
ESP-12F WiFi Module	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

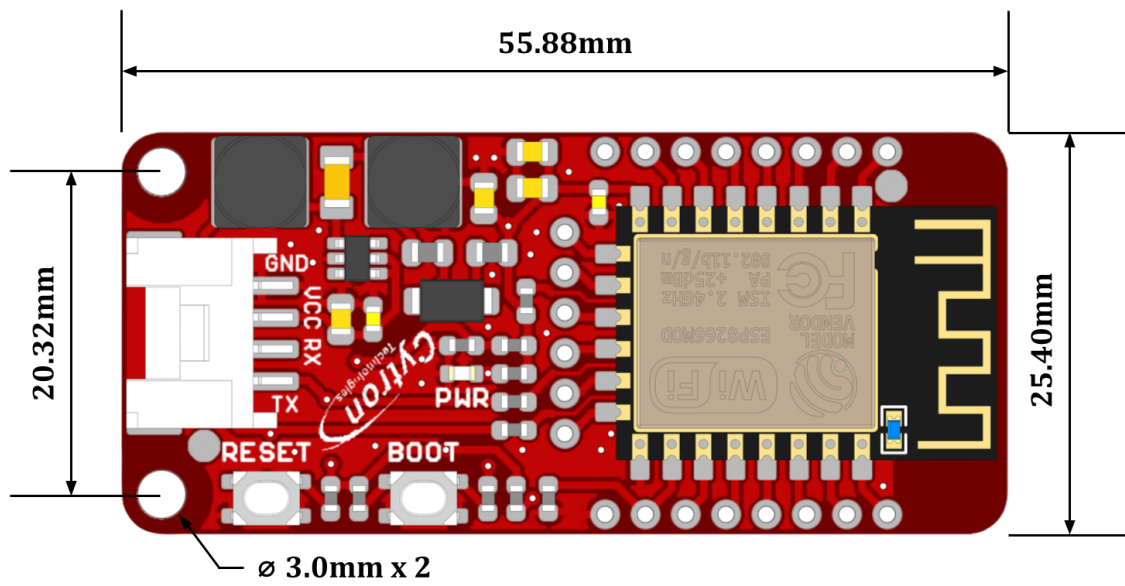


Figure 2: GRV-WIFI-8266 Dimension

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