ESP-12F

Boot ModeGPIO 0GPIO 2GPIO 15UART (Flashing)lowhighlowFlash Boot (Run program)highhighlow

Operating Voltage 2.5V-3.6V IO MAX output current is 12mA Power consumption 20 μ A to 170mA depending status (deep-sleep to emitting) Power off 0.5 μ A RTC clock is still running in deep-sleep mode 4MB of SPI flash

Arduino Pins

ESP8266EX Pin name & function 1

ESP8266EX IO

ESP8266EX General SPI *

ESP8266EX HSPI

ESP8266EX I2C software ** assignement pins only

ESP8266EX UARTO 74880bds default

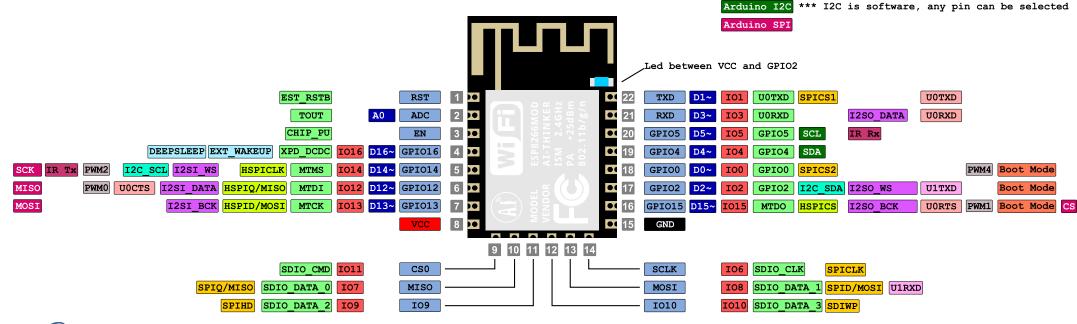
ESP8266EX UART1

ESP8266EX PWM

ESP8266EX IR

ESP8266EX Power functions

ESP-12F pin numbers





* SPI interface is used for SPI flash program memory overlap mode can be used to use both SPI and HSPI on same IO lines read chapter 5 in ESP8266 Technical reference