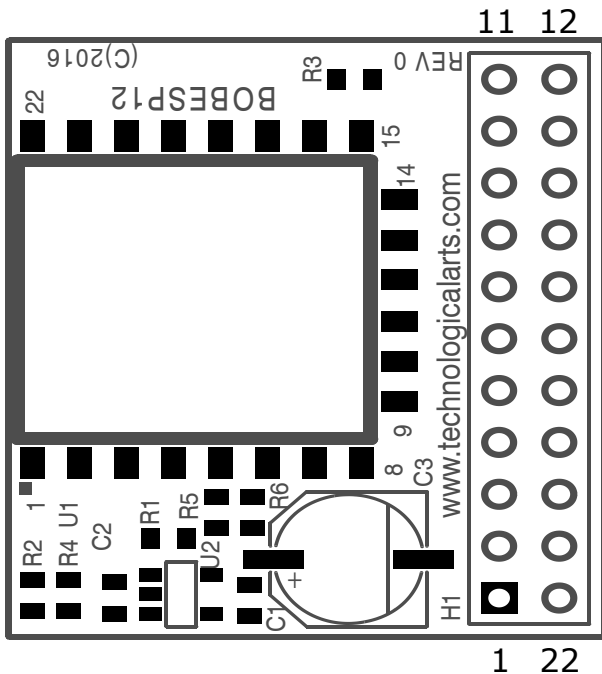


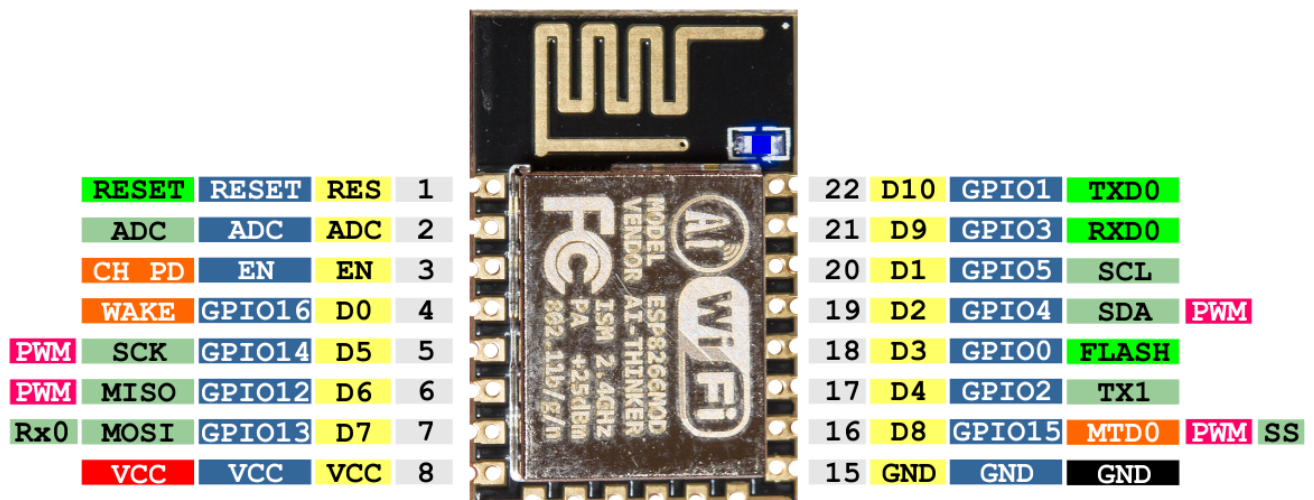
BOBESP12 Header Pinout*



Pin#	Name	Pin#	Name
11(15)	GND	12(19)	GPIO4
10(5)	GPIO14	13(16)	GPIO15
9(4)	GPIO16	14(3)	CH_PD
8(2)	ADC	15(20)	GPIO5
7(7)	GPIO13	16(17)	GPIO2
6(1)	RESET	17(18)	GPIO0
5(6)	GPIO12	18(9)	CS0
4(21)	RXD	19(10)	MISO
3(22)	TXD	20(13)	MOSI
2(8)	VCC	21(14)	SCLK
1(11)	GPIO9	22(12)	GPIO10

***Note: BOBESP12 pin numbering is different than ESP-12! ESP-12 pin numbers are shown in brackets ().**

ESP-12F Alternate Functions Map:



Legend:

ESP-12F Pin Number
NodeMCU Pin
GPIO port Pin
Used for Programming
Used for Bootloader
Special Function Arduino ESP-LIB
Internal Function