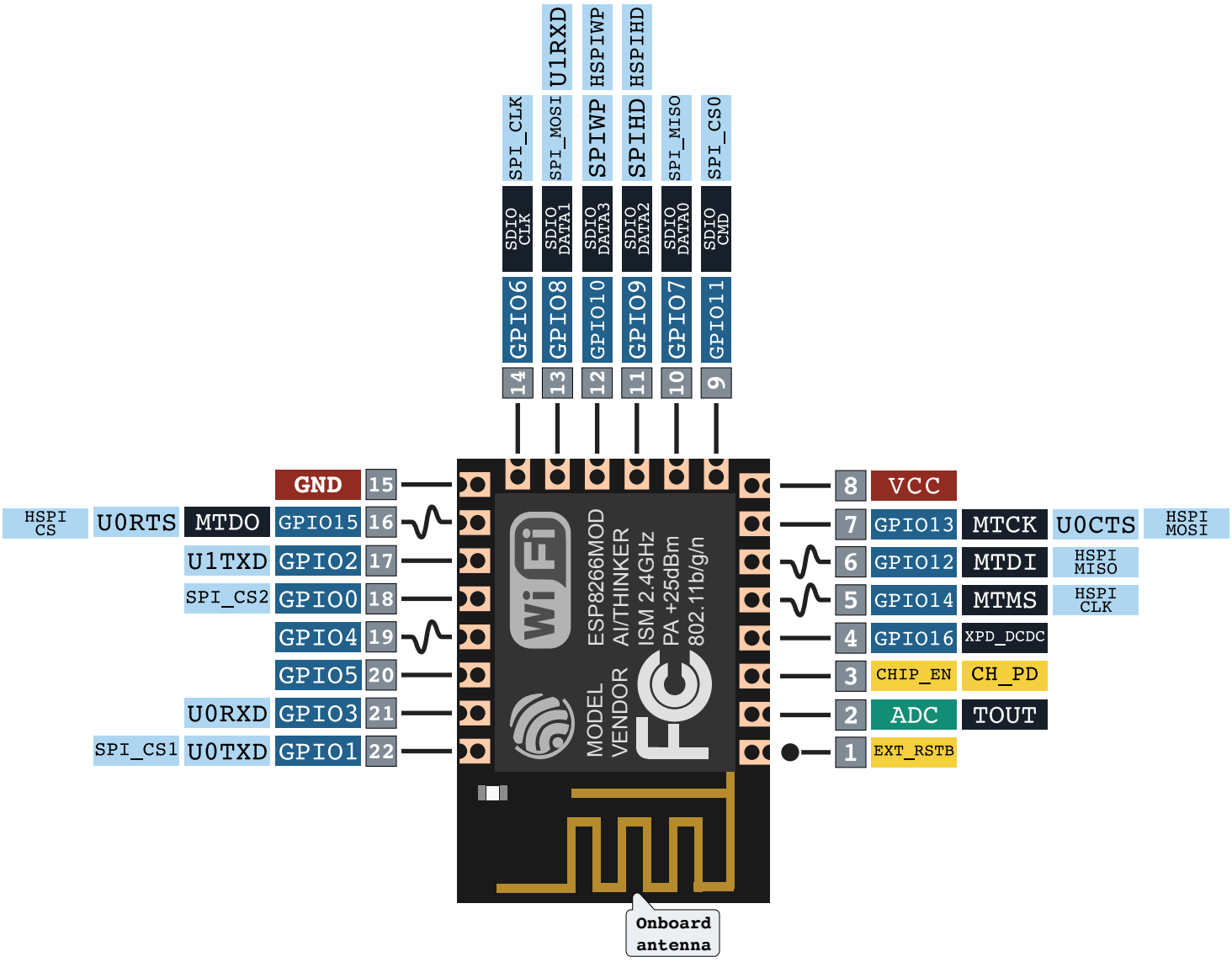
ESP-12E
PINOUT

NOTES:

- Typ. pin current 6mA (Max. 12mA)
- For sleep mode, connect GPIO16 and EXT_RSTB. On wakeup, GPIO16 will output LOW for system reset.
- On boot/reset/wakeup, keep GPIO15 LOW and GPIO2 HIGH.



POWER	SP. FUNCTION(S)
I/O	COMM. INTERFACE
ADC	PIN NUMBER
CONTROL	PWM
N/C	

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ESP-12E
REFERENCE

Module Pin	IC Pin	Name	Useful notes (cf. datasheet for details)
1	32	EXT_RSTB	Active low external reset signal
2	6	TOUT	ADC pin; can be used to monitor VDD3P3
3	7	CHIP_EN	Active high enable pin (Low: small current)
4	8	XPD_DCDC	Deep-Sleep Wakeup
5	9	MTMS	IR Remote Tx
6	10	MTDI	–
7	12	MTCK	–
9	20	SDIO_CMD	Connect to SD_CMD (Series R: 200Ω)
10	22	SDIO_DATA_0	Connect to SD_D0 (Series R: 200Ω)
11	18	SDIO_DATA_2	Connect to SD_D2 (Series R: 200Ω)
12	19	SDIO_DATA_3	Connect to SD_D3 (Series R: 200Ω)
13	23	SDIO_DATA_1	Connect to SD_D1 (Series R: 200Ω)
14	21	SDIO_CLK	Connect to SD_CLK (Series R: 200Ω)
16	13	MTDO	–
17	14	GPIO2	UART1 Tx
18	15	GPIO0	–
19	16	GPIO4	–
20	24	GPIO5	IR Remote Rx
21	25	U0RXD	UART0 Rx (flash programming)
22	26	U0TXD	UART0 Tx (flash programming)

Full datasheet: https://acrobotic.com/datasheets/esp8266

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