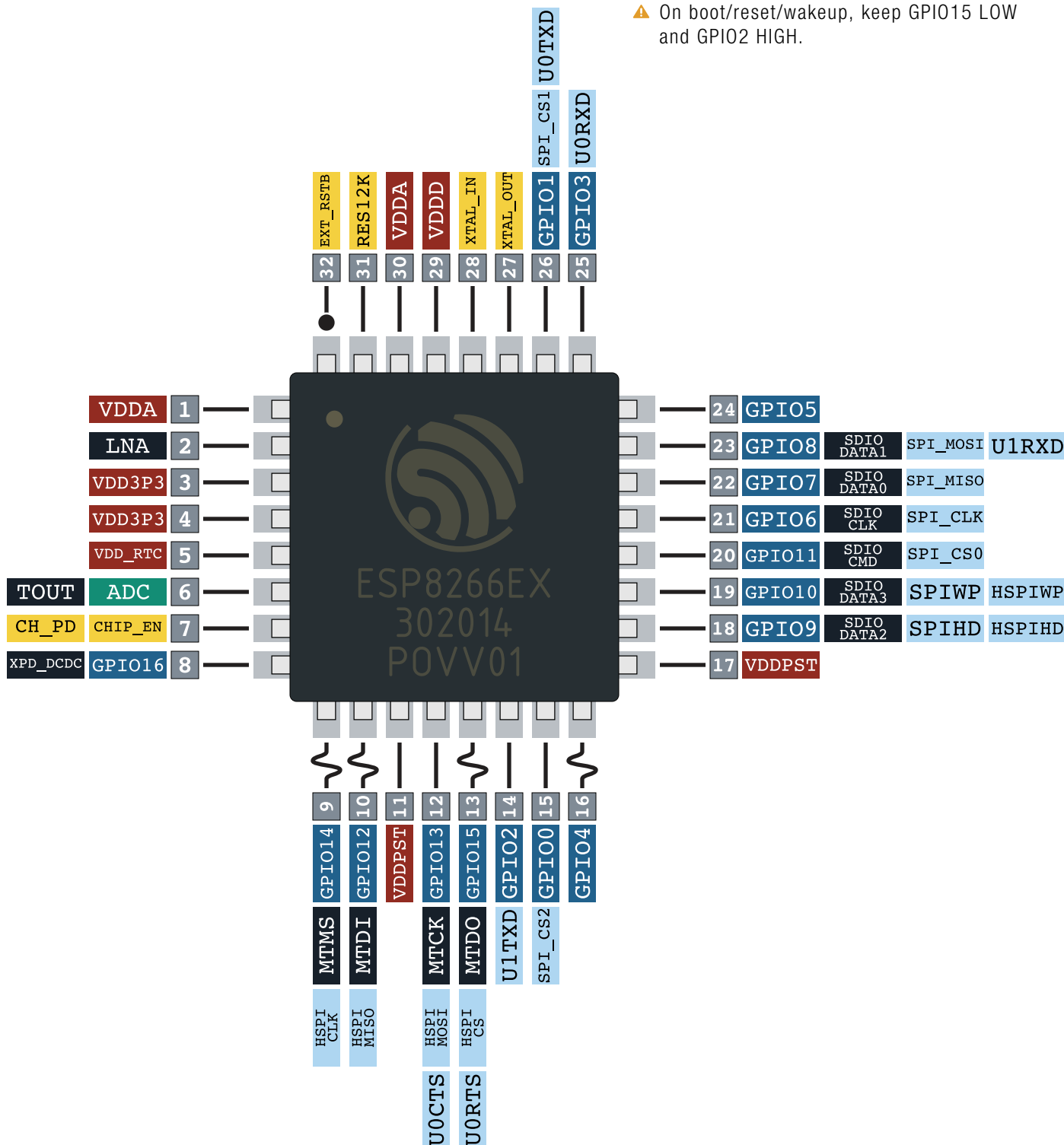


ESP8266

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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REFERENCE

Pin	Name	Useful notes (cf. datasheet for details)
1	VDDA	Analog Power 3.0 ~3.6V
2	LNA	RF Antenna Interface
3	VDD3P3	Amplifier Power 3.0~3.6V
4	VDD3P3	Amplifier Power 3.0~3.6V
5	VDD_RTC	NC (1.1V)
6	TOUT	ADC pin; can be used to monitor VDD3P3
7	CHIP_EN	Active high enable pin (Low: small current)
8	XPD_DCDC	Deep-Sleep Wakeup
9	MTMS	IR Remote Tx
10	MTDI	–
11	VDDPST	Digital/IO Power Supply (1.8V~3.3V)
12	MTCK	–
13	MTDO	–
14	GPIO2	UART1 Tx
15	GPIO0	–
16	GPIO4	–
17	VDDPST	Digital/IO Power Supply (1.8V~3.3V)
18	SDIO_DATA_2	Connect to SD_D2 (Series R: 200Ω)
19	SDIO_DATA_3	Connect to SD_D3 (Series R: 200Ω)
20	SDIO_CMD	Connect to SD_CMD (Series R: 200Ω)
21	SDIO_CLK	Connect to SD_CLK (Series R: 200Ω)
22	SDIO_DATA_0	Connect to SD_D0 (Series R: 200Ω)
23	SDIO_DATA_1	Connect to SD_D1 (Series R: 200Ω)
24	GPIO5	IR Remote Rx
25	U0RXD	UART0 Rx (flash programming)
26	U0TXD	UART0 Tx (flash programming)
27	XTAL_OUT	Connect to crystal oscillator output
28	XTAL_IN	Connect to crystal oscillator input
29	VDDD	Analog Power 3.0V~3.6V
30	VDDA	Analog Power 3.0V~3.6V
31	RES12K	Serial connection w 12 kΩ resistor and ground
32	EXT_RSTB	Active low external reset signal
33	GND PAD	Pad is connected to ground

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