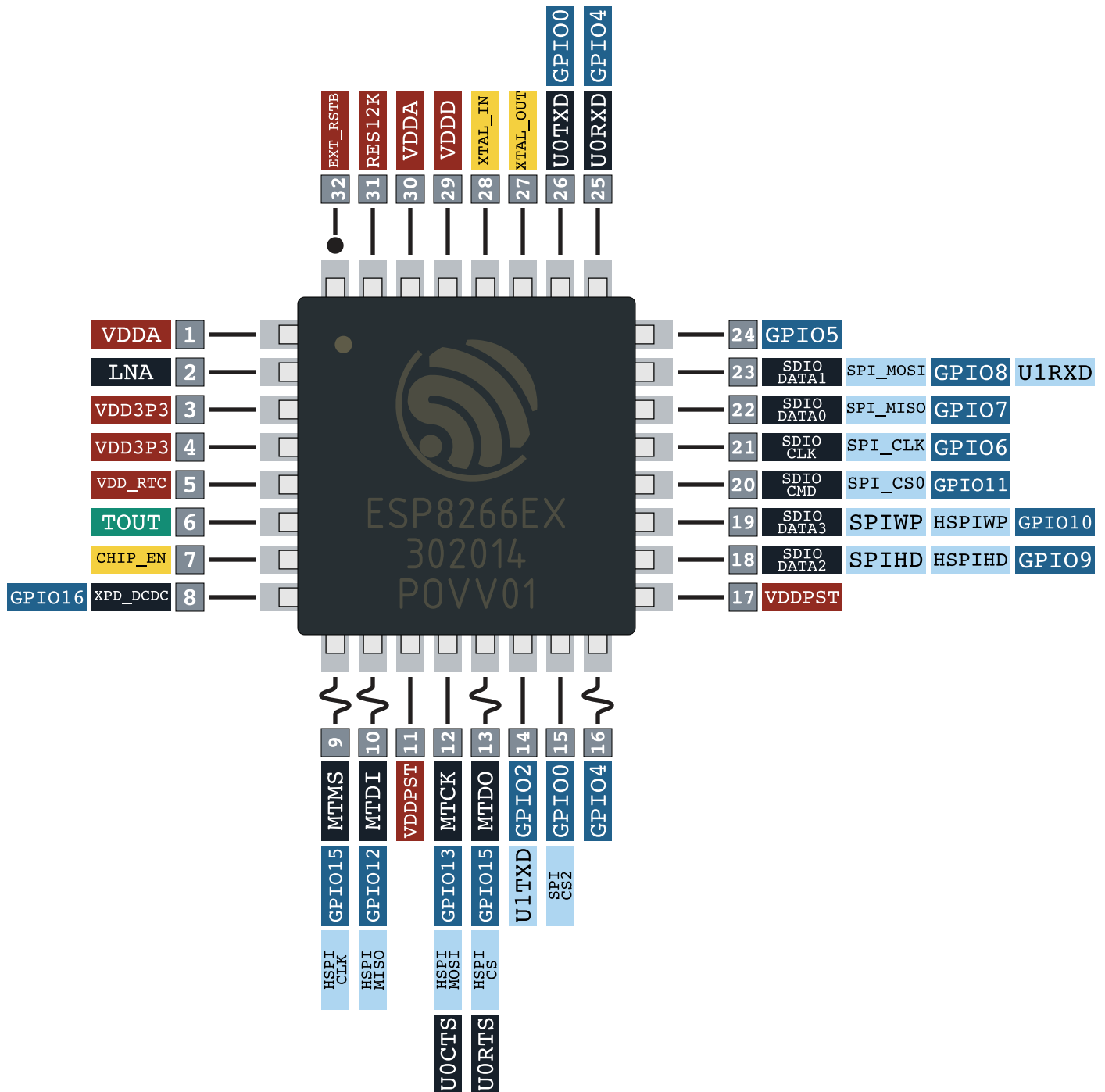


# ESP8266

## PINOUT

NOTES:

⚠ Typ. pin current 6mA (Max. 12mA)



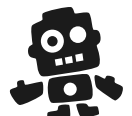
<span style="background-color: #800000; color: white; padding: 2px;"> </span> POWER	<span style="background-color: #000000; color: white; padding: 2px;"> </span> SP. FUNCTION(S)
<span style="background-color: #000080; color: white; padding: 2px;"> </span> I/O	<span style="background-color: #ADD8E6; color: black; padding: 2px;"> </span> COMM. INTERFACE
<span style="background-color: #008000; color: white; padding: 2px;"> </span> ADC	<span style="background-color: #D3D3D3; color: black; padding: 2px;"> </span> PIN NUMBER
<span style="background-color: #FFD700; color: black; padding: 2px;"> </span> CONTROL	PWM
<span style="background-color: #FFFFFF; color: black; padding: 2px;"> </span> N/C	

# ESP8266

## PINOUT

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	
9	MTMS	IR Remote Tx
10	MTDI	
11	VDDPST	Digital/IO Power Supply (1.8V~3.3V)
12	MTCK	
13	MTDO	
14	GPIO2	UART 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	UART Rx during flash programming
26	U0TXD	UART Tx during 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>



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