

ESP32S WiFi/BLE

PINOUT

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CC BY-NC-ND



				3.3v	
				EN	
Input only	RTC GPIO00	SensVP	ADC1_0	GPIO36	5
Input only	RTC GPIO03	SensVN	ADC1_3	GPIO39	8
Input only	RTC GPIO04		ADC1_6	GPIO34	10
Input only	RTC GPIO05		ADC1_7	GPIO35	11
RTC GPIO09	Xtal32P	Touch9	ADC1_4	GPIO32	12
RTC GPIO08	Xtal32N	Touch8	ADC1_5	GPIO33	13
DAC 1	RTC GPIO06		ADC2_8	GPIO25	14
DAC 2	RTC GPIO07		ADC2_9	GPIO26	15
RTC GPIO17	Touch7		ADC2_7	GPIO27	16
RTC GPIO16	Touch6	HSPI_CLK	ADC2_6	GPIO14	17
RTC GPIO15	Touch5	HSPI_Q	ADC2_5	GPIO12	18
			GND		
RTC GPIO14	Touch4	HSPI_ID	ADC2_4	GPIO13	20
Flash D2	SD Data2	HSPI_Data2	RXD 1	GPIO09	28
Flash D3	SD Data3	HSPI_Data3	TXD 1	GPIO10	29
Flash CMD	SD CMD	HSPI_CMD	RTS 1	GPIO11	30
			5v		



				GND	
36	GPIO23	V_SPI_D	MOSI		
39	GPIO22	V_SPI_WP	SCL	RTS 0	
41	GPIO1	TXD 0	CLK3		
40	GPIO3	RXD 0	CLK2		
42	GPIO21	VSPI_HD	SDA		
			GND		
38	GPIO19	V_SPI_Q	MISO	CTS 0	
35	GPIO18	V_SPI_CLK	SCK		
34	GPIO5	V_SPI_CS0	SS		
27	GPIO17	TXD 2			
25	GPIO16	RXD 2			
24	GPIO4	ADC2_0	HSPI_HD	Touch0	RTC GPIO10
23	GPIO0	ADC2_1	CLK1	Touch1	RTC GPIO11
22	GPIO2	ADC2_2	HSPI_WP0	Touch2	RTC GPIO12
21	GPIO15	ADC2_3	HSPI_CS0	Touch3	RTC GPIO13
33	GPIO8	CTS 2	HSPI_Data1	SD Data1	Flash D1
32	GPIO7	RTS 2	HSPI_Data0	SD Data0	Flash D0
31	GPIO6	CTS 1	HSPI_CLK	SD CLK	Flash SCK