

			GND	⦿
			3V3	⦿
			EN	⦿
TOUCH4	ADC1_CH3	RTC_GPIO4	GPIO4	⦿
TOUCH5	ADC1_CH4	RTC_GPIO5	GPIO5	⦿
TOUCH6	ADC1_CH5	RTC_GPIO6	GPIO6	⦿
TOUCH7	ADC1_CH6	RTC_GPIO7	GPIO7	⦿
	ADC2_CH4	RTC_GPIO15	GPIO15	⦿
	ADC2_CH5	RTC_GPIO16	GPIO16	⦿
U1_TXD	ADC2_CH6	RTC_GPIO17	GPIO17	⦿
U1_RXD	ADC2_CH7	RTC_GPIO18	GPIO18	⦿
TOUCH8	ADC1_CH7	RTC_GPIO8	GPIO8	⦿
USB_D-	ADC2_CH8	RTC_GPIO19	GPIO19	⦿
USB_D+	ADC2_CH9	RTC_GPIO20	GPIO20	⦿



⦿	GND			
⦿	GPIO1	RTC_GPIO1	ADC1_CH0	TOUCH1
⦿	GPIO2	RTC_GPIO2	ADC1_CH1	TOUCH2
⦿	GPIO43	U0_TXD		
⦿	GPIO44	U0_RXD		
⦿	GPIO42	MTMS		
⦿	GPIO41	MTDI		
⦿	GPIO40	MTD0		
⦿	GPIO39	MTCK		
⦿	GPIO38			
⦿	GPIO37			
⦿	GPIO36			
⦿	GPIO35			
⦿	GPIO0	RTC_GPIO0		

- ⦿ Do Not Use
- ⦿ Have default behaviours
- ⦿ 60us glitch on boot
- ⦿ Use with caution (Octal PSRAM)
- ✓ No issues

Strapping Pins

GPIO0 - Pull-up
GPIO3 - Floating
GPIO45 - Pull-down
GPIO46 - Pull-down

Hold GPIO0 LOW to enter download mode

⦿	GPIO3	RTC_GPIO3	ADC1_CH2	TOUCH3
⦿	GPIO46			
⦿	GPIO9	RTC_GPIO9	ADC1_CH8	TOUCH9
⦿	GPIO10	RTC_GPIO10	ADC1_CH9	TOUCH10
⦿	GPIO11	RTC_GPIO11	ADC2_CH0	TOUCH11
⦿	GPIO12	RTC_GPIO12	ADC2_CH1	TOUCH12
⦿	GPIO13	RTC_GPIO13	ADC2_CH2	TOUCH13
⦿	GPIO14	RTC_GPIO14	ADC1_CH3	TOUCH14
⦿	GPIO21	RTC_GPIO21		
⦿	GPIO47			
⦿	GPIO48			
⦿	GPIO45			

github.com/atomic14/esp32-s3-pinouts

For Modules with Octal PSRAM (8MB)

Do Not Use
GPIO35
GPIO36
GPIO37

Max default current per pin 20mA,
configurable to 40mA

Cumulative IO output current: 1500mA