ESP32-S3-WROOM-2 Pinout Diagram

Left side (top to bottom):

		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_CPIO18	GPIO18
TOUCH8	ADC1_CH7	RTC_GPIO8	GPIO8
USB_D-	ADC2_CH8	RTC_GPIO19	GPIO19
USB_D+	ADC2_CH9	RTC_GPIO20	GPIO20

Right side (top to bottom):

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		

ESPRESSIF

ESP32-S3-WROOM-2

github.com/atomic14/esp32-s3-pinouts

乐鑫信息科技（上海）
股份有限公司

Bottom pins (left to right):

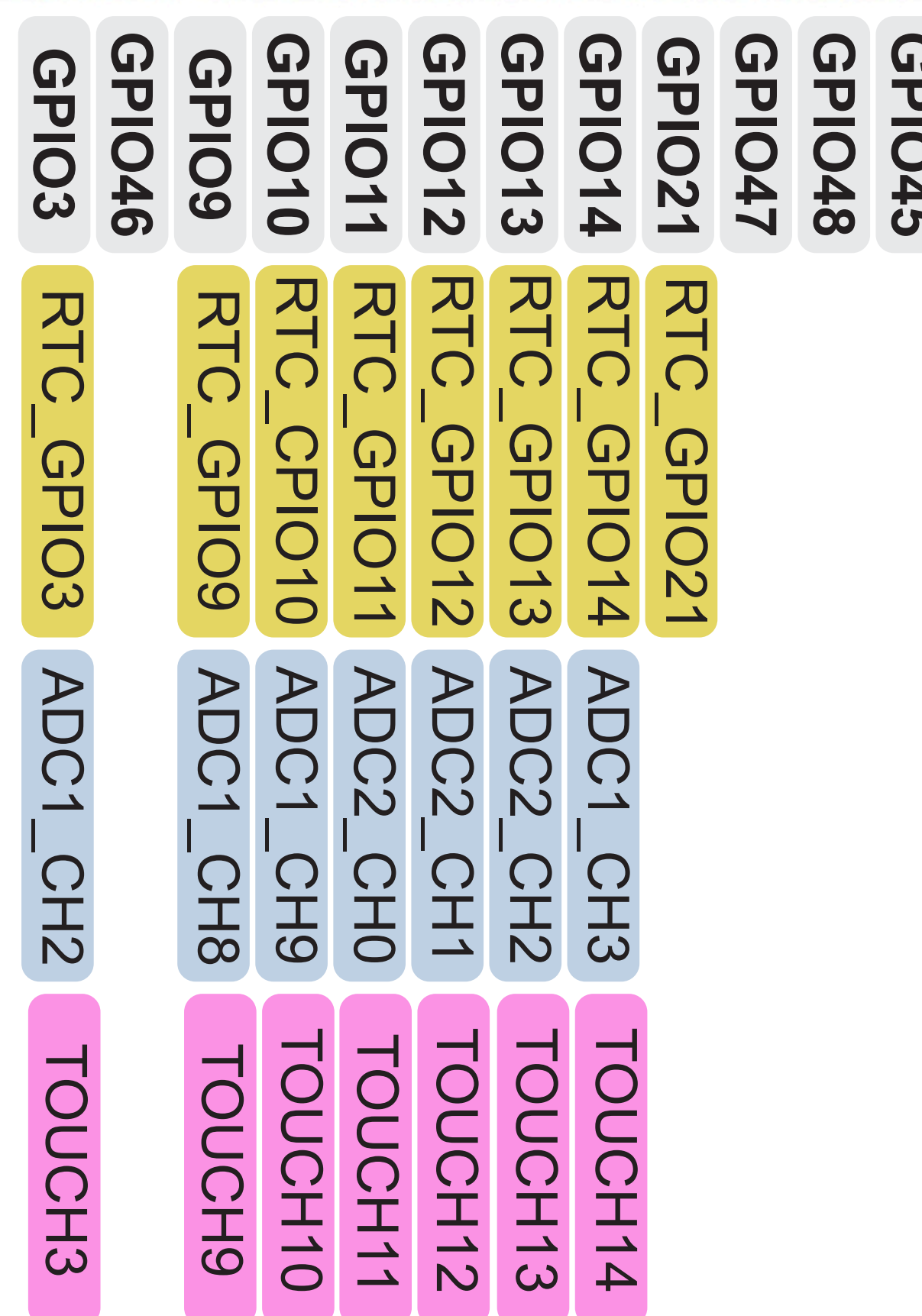| GPIO	RTC	ADC	TOUCH
GPIO3	RTC_GPIO3	ADC1_CH2	TOUCH3
GPIO46			
GPIO9	RTC_GPIO9	ADC1_CH8	TOUCH9
GPIO10	RTC_CPIO10	ADC1_CH9	TOUCH10
GPIO11	RTC_GPIO11	ADC2_CH0	TOUCH11
GPIO12	RTC_GPIO12	ADC2_CH1	TOUCH12
GPIO13	RTC_GPIO13	ADC2_CH2	TOUCH13
GPIO14	RTC_GPIO14	ADC1_CH3	TOUCH14
GPIO21	RTC_GPIO21		
GPIO47			
GPIO48			
GPIO45			

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Strapping Pins

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

For Modules with Octal PSRAM (8MB)
Do Not Use
GPIO35
GPIO36
GPIO37