



I-bus

D-bus

Note:



ESP32-S3 Memory map

I-bus	D-bus	Note:
	0x6000_0000	UART0
Peripherals	0x6000_2000	SPI1
	0x6000_3000	SPI0
	0x6000_4000	GPIO
	0x6000_4F00	GPIO_SD
	0x6000_5000	FE2
	0x6000_6000	FE
	0x6000_7000	EFUSE
	0x6000_8000	RTCCNTL
	0x6000_8400	RTCIO
	0x6000_8800	SENS
	0x6000_8C00	RTC_I2C
	0x6000_9000	IO_MUX
	0x6000_B000	HINF
	0x6000_C000	UHCI1
	0x6000_F000	I2S
	0x6001_0000	UART1
	0x6001_1000	BT
	0x6001_3000	I2C_EXT
	0x6001_4000	UHCI0
	0x6001_5000	SLCHOST
	0x6001_6000	RMT
	0x6001_7000	PCNT
	0x6001_8000	SLC
	0x6001_9000	LEDC
	0x6001_CC00	NRX
	0x6001_D000	BB
	0x6001_E000	PWM0
	0x6001_F000	TIMERGROUP0
	0x6002_0000	TIMERGROUP1
	0x6002_1000	RTC_SLOWMEM
	0x6002_3000	SYSTIMER
	0x6002_4000	SPI2
	0x6002_5000	SPI3
	0x6002_6000	SYSCON (APB_CTRL)
	0x6002_7000	I2C1_EXT
	0x6002_8000	SDMMC
	0x6002_A000	PERI_BACKUP
	0x6002_B000	TWAI
	0x6002_C000	PWM1
	0x6002_D000	I2S1
	0x6002_E000	UART2
	0x6003_8000	USB_SERIAL_JTAG
	0x6003_9000	USB_WRAP (USB ext.control regs)
	0x6003_A000	AES
	0x6003_B000	SHA
	0x6003_C000	RSA
	0x6003_D000	DIGITAL_SIGNATURE
	0x6003_E000	HMAC
	0x6003_F000	GDMA
	0x6004_0000	APB_SARADC
0x6004_1000	LCD_CAM	
0x6008_0000	USB_CORE	
0x600C_0000	SYSTEM	
0x600C_1000	SENSITIVE	
0x600C_2000	INTERRUPT	
0x600C_4000	EXTMEM	
0x600C_E000	ASSIST_DEBUG	
0x600D_0000	WCL	
	0x600D_0FFF	

	Blocks	#bits	Notes:
eFUSE	0	640	SYSTEM
	1	288	MAC; SPI_PAD; WAFER; PKG; SYS_DATA0
	2	352	UNIQUE_ID; SYS_DATA1
	3	352	USR_DATA
	4	352	KEY0_DATA
	5	352	KEY1_DATA
	6	352	KEY2_DATA
	7	352	KEY3_DATA
	8	352	KEY4_DATA
	9	352	KEY5_DATA
	10	352	SYS_DATA2