

SRAM

Instance: SRAM
Component: SRAM
Base address: 0x20000000

General Purpose RAM

TOP:SRAM Register Summary

Register Name	Type	Register Width (Bits)	Register Reset	Address Offset	Physical Address
BANK0__0-BANK0__1023	RW	32	0XXXXX XXXX	0x0000 0000 - 0x0000 0FFC	0x2000 0000 - 0x2000 0FFC
BANK1__0-BANK1__1535	RW	32	0XXXXX XXXX	0x0000 1000 - 0x0000 27FC	0x2000 1000 - 0x2000 27FC
BANK2__0-BANK2__1535	RW	32	0XXXXX XXXX	0x0000 2800 - 0x0000 3FFC	0x2000 2800 - 0x2000 3FFC
BANK3__0-BANK3__1023	RW	32	0XXXXX XXXX	0x0000 4000 - 0x0000 4FFC	0x2000 4000 - 0x2000 4FFC

TOP:SRAM Register Descriptions

TOP:SRAM:BANK0__0-BANK0__1023

Address 0x0000 0000 - 0x0000 0FFC
Offset

Physical 0x2000 0000 - 0x2000 0FFC Instance 0x2000 0000 - 0x2000 0FFC
Address

Description 4k SRAM

Type RW

Bits	Field Name	Description	Type	Reset
31:0	DATA	SRAM data	RW	0XXXXX XXXX

TOP:SRAM:BANK1__0-BANK1__1535

Address 0x0000 1000 - 0x0000 27FC
Offset

Physical Address

0x2000 1000 - 0x2000 27FC

Instance

0x2000 1000 - 0x2000 27FC

Description

6k SRAM

Type

RW

Bits	Field Name	Description	Type	Reset
31:0	DATA	SRAM data	RW	0xFFFF XXXX

TOP:SRAM:BANK2__0-BANK2__1535

Address Offset

0x0000 2800 - 0x0000 3FFC

Physical Address

0x2000 2800 - 0x2000 3FFC

Instance

0x2000 2800 - 0x2000 3FFC

Description

6k SRAM

Type

RW

Bits	Field Name	Description	Type	Reset
31:0	DATA	SRAM data	RW	0xFFFF XXXX

TOP:SRAM:BANK3__0-BANK3__1023

Address Offset

0x0000 4000 - 0x0000 4FFC

Physical Address

0x2000 4000 - 0x2000 4FFC

Instance

0x2000 4000 - 0x2000 4FFC

Description

4k SRAM

Type

RW

Bits	Field Name	Description	Type	Reset
31:0	DATA	SRAM data	RW	0xFFFF XXXX