

←stm32f40xxx→

←memory-map→

0xffff ffff	512-mbyte block 7 internal peripherals
0xe000 0000	512-mbyte block 6
0xbfff ffff	not used
0xc000 0000	512-mbyte block 5
0xbfff ffff	fsmc registers
0xa000 0000	512-mbyte block 4
0x9fff ffff	fsmc banks 3&4
0x8000 0000	512-mbyte block 3
0x7fff ffff	fsmc banks 1&2
0x6000 0000	512-mbyte block 2
0x5fff ffff	peripherals
0x4000 0000	512-mbyte block 1
0x3fff ffff	sram
0x2000 0000	512-mbyte block 0
0x1fff ffff	code
0x0000 0000	

fsmc peripherals

RESERVED	0x2002 0000 - 0x3fff ffff
sram (16 kb aliased by bit-banding)	0x2001 c000 - 0x2001 ffff
sram (112 kb aliased by bit-banding)	0x2000 0000 - 0x2001 bfff
RESERVED	0x1fff c008 - 0x1fff ffff
option bytes	0x1fff c000 - 0x1fff c007
RESERVED	0x1fff 7a10 - 0x1fff 7fff
system memory + otp	0x1fff 0000 - 0x1fff 7a0f
RESERVED	0x1001 0000 - 0x1ffe ffff
ccm data ram (e4 kb data sram)	0x1000 0000 - 0x1000 ffff
RESERVED	0x0810 0000 - 0x0fff ffff
flash	0x0800 0000 - 0x080f ffff
RESERVED	0x0010 0000 - 0x07ff ffff
aliased to flash. system memory or sram depending on the boot pins	0x0000 0000 - 0x000f ffff

RESERVED	0xe010 0000 - 0xffff ffff
cortex-m4 internal peripherals	0xe000 0000 - 0xe00f ffff
RESERVED	0xa000 1000 - 0xbfff ffff
ahb3	0xa000 0fff
RESERVED	0x6000 0000
	0x5006 0c00 - 0x5fff ffff
	0x5006 0bfff
ahb2	
RESERVED	0x5000 0000
	0x4008 0000 - 0x4fff ffff
	0x4007 ffff
ahb1	
	0x4002 0000
RESERVED	0x4001 5800 - 0x4001 ffff
	0x4001 57ff
apb2 high speed	
RESERVED	0x4001 0000
	0x4000 7800 - 0x4000 ffff
	0x4000 77ff
apb1 low speed	
	0x4000 0000

