



Motorola MPC5xx Memory Maps

Address*	MPC555	MPC533/MPC534	MPC535/MPC536	MPC561/MPC562 MPC563/MPC564	MPC565/MPC566
0x0000 0000	CMF_A (256 Kbytes)	UC3F (512 Kbytes)	UC3F_A (512 Kbytes)	UC3F (512 Kbytes) MPC563/MPC564 only	UC3F_A (512 Kbytes)
0x0003 FFFF					
0x0004 0000	CMF_B (192 Kbytes)	Reserved for Flash	Reserved for Flash	Reserved for Flash	Reserved for Flash
0x0006 FFFF					
0x0007 0000	Reserved for Flash	BBC DECRAM (2 Kbytes)	DECRAM (4 Kbytes) [VDDSRAM3]	DECRAM (2 Kbytes) [IRAMSTBY]	DECRAM (4 Kbytes) [VDDSRAM3]
0x0007 FFFF					
0x0008 0000					
0x000F FFFF					
0x0010 0000					
0x002F 7FFF					
0x002F 8000					
0x002F 87FF					
0x002F 8800					
0x002F 8FFF					
0x002F 9000	BBC Decompression Control	BBC Decompression Control	BBC Decompression Control	BBC Decompression Control	
0x002F 9FFF					
0x002F A000	USIU Control	USIU Control	USIU Control	USIU Control	USIU Control
0x002F BFFF					
0x002F C000	CMF_A Control	UC3F Control	UC3F_A Control	UC3F Control MPC563/MPC564 only	UC3F_A Control
0x002F C7FF					
0x002F C800	CMF_B Control	Reserved	UC3F_B Control	Reserved	UC3F_B Control
0x002F C83F					
0x002F C840	Reserved	Reserved	Reserved	Reserved	Reserved
0x002F C87F					
0x002F C880	DPTRAM Control	Reserved	Reserved	DPTRAM Control	DPTRAM_AB Control
0x002F FFFF					
0x0030 0000	Reserved	Reserved	Reserved	Reserved	Reserved
0x0030 003F					
0x0030 0040					
0x0030 007F					
0x0030 0080					
0x0030 008F					
0x0030 0090					
0x0030 0FFF					
0x0030 1000					
0x0030 1FFF					
0x0030 2000	DPTRAM (6 Kbytes) [VDDSRAM]	Reserved	Reserved	DPTRAM (8 Kbytes) [IRAMSTBY]	DPTRAM_AB (6 Kbytes) [VDDSRAM3]
0x0030 37FF					
0x0030 3800	TPU3_A (1 Kbytes)	Reserved	Reserved	TPU3_A (1 Kbytes)	TPU3_A (1 Kbytes)
0x0030 3FFF					
0x0030 4000	TPU3_B (1 Kbytes)	Reserved	Reserved	TPU3_B (1 Kbytes)	TPU3_B (1 Kbytes)
0x0030 43FF					
0x0030 4400	QADC64_A (1 Kbytes)	QADC64E (1 Kbytes)	QADC64E (1 Kbytes)	QADC64E_A (1 Kbytes)	QADC64E_A (1 Kbytes)
0x0030 47FF					
0x0030 4800	QADC64_B (1 Kbytes)	Reserved	Reserved	QADC64E_B (1 Kbytes)	QADC64E_B (1 Kbytes)
0x0030 4BFF					
0x0030 4C00	QSMCM (1 Kbytes)	QSMCM (1 Kbytes)	QSMCM_A (1 Kbytes)	QSMCM (1 Kbytes)	QSMCM_A (1 Kbytes)
0x0030 4FFF					
0x0030 5000	Reserved	Reserved	Reserved	Reserved	Reserved
0x0030 53FF					
0x0030 5400					
0x0030 57FF					
0x0030 5800					
0x0030 5BFF					
0x0030 5C00					
0x0030 5C7F					
0x0030 5FFF					
0x0030 6000					
0x0030 6FFF					
0x0030 7000	MIOS1 (4 Kbytes)	MIOS14 (4 Kbytes)	MIOS14 (4 Kbytes)	MIOS14 (4 Kbytes)	MIOS14 (4 Kbytes)
0x0030 73FF					
0x0030 7400	TouCAN_A (1 Kbytes)	Reserved	Reserved	TouCAN_A (1 Kbytes)	TouCAN_A (1 Kbytes)
0x0030 77FF					
0x0030 7800	TouCAN_B (1 Kbytes)	Reserved	Reserved	TouCAN_B (1 Kbytes)	TouCAN_B (1 Kbytes)
0x0030 7BFF					
0x0030 7C00	Reserved	Reserved	Reserved	TouCAN_C (1 Kbytes)	TouCAN_C (1 Kbytes)
0x0030 7FFF					
0x0030 8000	UIMB Control	UIMB Control	UIMB Control	UIMB Control	UIMB Control
0x0030 87FF					
0x0030 8800	Reserved for IMB	Reserved for IMB	Reserved for IMB	Reserved for IMB	Reserved for IMB
0x0030 8FFF					
0x0037 FFFF	SRAM_A/B Control	CALRAM/READI Control	CALRAM_A/READI Control	CALRAM/READI Control	CALRAM_A/READI Control
0x0038 0000					
0x0038 003F	Reserved	Reserved	CALRAM_B Control	Reserved	CALRAM_B Control
0x0038 0040					
0x0038 007F	Reserved for L-bus Control	Reserved for L-bus Control	Reserved for L-bus Control	Reserved for L-bus Control	Reserved for L-bus Control
0x0038 0080					
0x0038 008F	Reserved for L-bus Memory	Reserved for L-bus Memory	Reserved for L-bus Memory	Reserved for L-bus Memory	Reserved for L-bus Memory
0x0038 3FFF					
0x0038 4000					
0x003F 6FFF					
0x003F 7000					
0x003F 7FFF					
0x003F 8000					
0x003F 97FF					
0x003F 9800					
0x003F BFFF					
0x003F C000	SRAM_A (10 Kbytes) [VDDSRAM]	CALRAM (28 Kbytes) [IRAMSTBY]	CALRAM_A (28 Kbytes) [VDDSRAM1]	CALRAM (28 Kbytes) [IRAMSTBY]	CALRAM_A (28 Kbytes) [VDDSRAM1]
0x003F C7FF					
0x003F C800	SRAM_B (16 Kbytes) [VDDSRAM]	CALRAM (4 Kbytes) [IRAMSTBY]	CALRAM_A (4 Kbytes) [VDDSRAM1/Overlay]	CALRAM (4 Kbytes) [IRAMSTBY]	CALRAM_A (4 Kbytes) [VDDSRAM1/Overlay]
0x003F EFFF					
0x003F F000	Reserved	Reserved	Reserved	Reserved	Reserved
0x003F FFFF					

* = Addresses are shown with the Internal Memory Space set to 0x0 (IMMR[ISB]=0b000).