

**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	UC3F_B (512 Kbytes)	Reserved for Flash	UC3F_B (512 Kbytes)				
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		Reserved	Reserved	Reserved	Reserved				
0x000F FFFF									
0x0010 0000		BBC Decompression Control	BBC Decompression Control	BBC Decompression Control	BBC Decompression Control				
0x002F 7FFF									
0x002F 8000		USIU Control	USIU Control	USIU Control	USIU Control				
0x002F 87FF									
0x002F 8800		CMF_A Control	UC3F Control	UC3F_A Control	UC3F Control MPC563/MPC564 only	UC3F_A Control			
0x002F 8FFF									
0x002F 9000		CMF_B Control	Reserved	UC3F_B Control	Reserved	UC3F_B Control			
0x002F 9FFF									
0x002F A000	Reserved	Reserved	Reserved	Reserved	Reserved				
0x002F BFFF									
0x002F C000	DPTRAM Control	Reserved	Reserved	DPTRAM Control	DPTRAM_AB Control				
0x002F C7FF									
0x002F C800	Reserved	Reserved	Reserved	Reserved	DPTRAM_C Control				
0x002F C83F									
0x002F C840					DLCMD2 Control				
0x002F C87F									
0x002F C880					Reserved				
0x002F CFFF									
0x0030 0000					DPTRAM (6 Kbytes) [VDDSRAM]	Reserved	Reserved	DPTRAM (8 Kbytes) [IRAMSTBY]	DPTRAM_AB (6 Kbytes) [VDDSRAM3]
0x0030 003F									
0x0030 0040					Reserved	Reserved	Reserved	Reserved	Reserved
0x0030 007F									
0x0030 0080					TPU3_A (1 Kbytes)	Reserved	Reserved	TPU3_A (1 Kbytes)	TPU3_A (1 Kbytes)
0x0030 008F									
0x0030 0090	TPU3_B (1 Kbytes)	Reserved	Reserved	TPU3_B (1 Kbytes)	TPU3_B (1 Kbytes)				
0x0030 009F									
0x0030 0100	QADC64_A (1 Kbytes)	QADC64E (1 Kbytes)	QADC64E (1 Kbytes)	QADC64E_A (1 Kbytes)	QADC64E_A (1 Kbytes)				
0x0030 01FF									
0x0030 2000	QADC64_B (1 Kbytes)	Reserved	Reserved	QADC64E_B (1 Kbytes)	QADC64E_B (1 Kbytes)				
0x0030 37FF									
0x0030 3800	QSMCM (1 Kbytes)	QSMCM (1 Kbytes)	QSMCM_A (1 Kbytes)	QSMCM (1 Kbytes)	QSMCM_A (1 Kbytes)				
0x0030 3FFF									
0x0030 4000	Reserved	Reserved	Reserved	Reserved	QSMCM_B (1 Kbytes)				
0x0030 43FF									
0x0030 4400	PPM (960 bytes)	Reserved	Reserved	PPM (960 bytes)	TPU3_C (1 Kbytes)				
0x0030 47FF									
0x0030 4800	Reserved	Reserved	Reserved	Reserved	Reserved				
0x0030 4BFF									
0x0030 4C00	MIOS1 (4 Kbytes)	MIOS14 (4 Kbytes)	MIOS14 (4 Kbytes)	MIOS14 (4 Kbytes)	MIOS14 (4 Kbytes)				
0x0030 4FFF									
0x0030 5000	TouCAN_A (1 Kbytes)	Reserved	Reserved	TouCAN_A (1 Kbytes)	TouCAN_A (1 Kbytes)				
0x0030 53FF									
0x0030 5400	TouCAN_B (1 Kbytes)	TouCAN_B (1 Kbytes)	TouCAN_B (1 Kbytes)	TouCAN_B (1 Kbytes)	TouCAN_B (1 Kbytes)				
0x0030 57FF									
0x0030 5800	Reserved	Reserved	Reserved	TouCAN_C (1 Kbytes)	TouCAN_C (1 Kbytes)				
0x0030 5BFF									
0x0030 5C00	Reserved	Reserved	Reserved	Reserved	Reserved				
0x0030 5C7F									
0x0030 5FFF	UIMB Control	UIMB Control	UIMB Control	UIMB Control	UIMB Control				
0x0030 6000									
0x0030 6FFF	Reserved for IMB	Reserved for IMB	Reserved for IMB	Reserved for IMB	Reserved for IMB				
0x0037 FFFF									
0x0038 0000	SRAM_A/B Control	CALRAM/READI Control	CALRAM_A/READI Control	CALRAM/READI Control	CALRAM_A/READI Control				
0x0038 003F									
0x0038 0040	Reserved	Reserved	CALRAM_B Control	Reserved	CALRAM_B Control				
0x0038 007F									
0x0038 0080	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 3FFF									
0x0038 4000	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				
0x003F 6FFF									
0x003F 7000	SRAM_A (10 Kbytes) [VDDSRAM]	CALRAM (28 Kbytes) [IRAMSTBY]	CALRAM_A (28 Kbytes) [VDDSRAM1]	CALRAM (28 Kbytes) [IRAMSTBY]	CALRAM_A (28 Kbytes) [VDDSRAM1]				
0x003F 7FFF									
0x003F 8000	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 97FF									
0x003F 9800	Reserved	Reserved	Reserved	Reserved	Reserved				
0x003F BFFF									
0x003F C000	Reserved	Reserved	Reserved	Reserved	Reserved				
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).