

**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									
0x000F FFFF									
0x0010 0000									
0x002F 7FFF									
0x002F 8000									
0x002F 87FF									
0x002F 8800									
0x002F 8FFF									
0x002F 9000									
0x002F 9FFF									
0x002F A000	BBC Decompression Control	BBC Decompression Control	BBC Decompression Control	BBC Decompression Control	BBC Decompression Control				
0x002F BFFF	USIU Control	USIU Control	USIU Control	USIU Control	USIU Control				
0x002F C000									
0x002F C7FF	CMF_A Control	UC3F Control	UC3F_A Control	UC3F Control MPC563/MPC564 only	UC3F_A Control				
0x002F C83F									
0x002F C840	CMF_B Control	Reserved	UC3F_B Control	Reserved	UC3F_B Control				
0x002F C87F									
0x002F C880	Reserved	Reserved	Reserved	Reserved	Reserved				
0x002F CFFF									
0x0030 0000	DPTRAM Control	Reserved	Reserved	DPTRAM Control	DPTRAM_AB Control				
0x0030 003F									
0x0030 0040	Reserved	Reserved	Reserved	Reserved	DPTRAM_C Control				
0x0030 007F									
0x0030 0080					DLCMD2 Control				
0x0030 008F									
0x0030 0090					Reserved				
0x0030 0FFF									
0x0030 1000					DPTRAM_C (4 Kbytes) [VDDSRAM3]				
0x0030 1FFF									
0x0030 2000					DPTRAM (6 Kbytes) [VDDSRAM]	DPTRAM (8 Kbytes) [IRAMSTBY]	DPTRAM_AB (6 Kbytes) [VDDSRAM3]		
0x0030 37FF									
0x0030 3800	Reserved	Reserved	Reserved						
0x0030 3FFF									
0x0030 4000	TPU3_A (1 Kbytes)	Reserved	Reserved	TPU3_A (1 Kbytes)	TPU3_A (1 Kbytes)				
0x0030 43FF									
0x0030 4400	TPU3_B (1 Kbytes)	Reserved	Reserved	TPU3_B (1 Kbytes)	TPU3_B (1 Kbytes)				
0x0030 47FF									
0x0030 4800	QADC64_A (1 Kbytes)	QADC64E (1 Kbytes)	QADC64E (1 Kbytes)	QADC64E_A (1 Kbytes)	QADC64E_A (1 Kbytes)				
0x0030 4BFF									
0x0030 4C00	QADC64_B (1 Kbytes)	Reserved	Reserved	QADC64E_B (1 Kbytes)	QADC64E_B (1 Kbytes)				
0x0030 4FFF									
0x0030 5000	QSMCM (1 Kbytes)	QSMCM (1 Kbytes)	QSMCM_A (1 Kbytes)	QSMCM (1 Kbytes)	QSMCM_A (1 Kbytes)				
0x0030 53FF									
0x0030 5400	Reserved	Reserved	Reserved	Reserved	QSMCM_B (1 Kbytes)				
0x0030 57FF									
0x0030 5800					Reserved				
0x0030 5BFF									
0x0030 5C00					PPM (960 bytes)	Reserved	PPM (960 bytes)	TPU3_C (1 Kbytes)	
0x0030 5C7F									
0x0030 5FFF					Reserved	Reserved	Reserved		
0x0030 6000									
0x0030 6FFF					MIOS1 (4 Kbytes)	MIOS14 (4 Kbytes)	MIOS14 (4 Kbytes)	MIOS14 (4 Kbytes)	MIOS14 (4 Kbytes)
0x0030 7000									
0x0030 73FF	TouCAN_A (1 Kbytes)	Reserved	Reserved	TouCAN_A (1 Kbytes)	TouCAN_A (1 Kbytes)				
0x0030 7400									
0x0030 77FF	TouCAN_B (1 Kbytes)	TouCAN_B (1 Kbytes)	TouCAN_B (1 Kbytes)	TouCAN_B (1 Kbytes)	TouCAN_B (1 Kbytes)				
0x0030 7800									
0x0030 7BFF	Reserved	Reserved	Reserved	TouCAN_C (1 Kbytes)	TouCAN_C (1 Kbytes)				
0x0030 7C00									
0x0030 7F7F	Reserved	Reserved	Reserved	Reserved	Reserved				
0x0030 7F80									
0x0030 7FFF	UIMB Control	UIMB Control	UIMB Control	UIMB Control	UIMB Control				
0x0030 8000									
0x0037 FFFF	Reserved for IMB	Reserved for IMB	Reserved for IMB	Reserved for IMB	Reserved for IMB				
0x0038 0000									
0x0038 003F	SRAM_A/B Control	CALRAM/READI Control	CALRAM_A/READI Control	CALRAM/READI Control	CALRAM_A/READI Control				
0x0038 0040									
0x0038 007F	Reserved	Reserved	CALRAM_B Control	Reserved	CALRAM_B Control				
0x0038 0080									
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					CALRAM_B (4 Kbytes) [VDDSRAM2/Overlay]	CALRAM_B (4 Kbytes) [VDDSRAM2/Overlay]			
0x003F 7FFF									
0x003F 8000					SRAM_A (10 Kbytes) [VDDSRAM]	CALRAM (28 Kbytes) [IRAMSTBY]	CALRAM_A (28 Kbytes) [VDDSRAM1]	CALRAM (28 Kbytes) [IRAMSTBY]	CALRAM_A (28 Kbytes) [VDDSRAM1]
0x003F 97FF									
0x003F 9800					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 BFFF									
0x003F C000					Reserved	Reserved	Reserved	Reserved	Reserved
0x003F EFFF									
0x003F F000	Reserved	Reserved	Reserved	Reserved	Reserved				
0x003F FFFF									

**For More Information On This Product,  
Go to: [www.freescale.com](http://www.freescale.com)**

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