

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)									
0x0006 FFFF										
0x0007 0000	Reserved for Flash									
0x0007 FFFF										
0x0008 0000		Reserved for Flash	Reserved for Flash	UC3F_B (512 Kbytes)						
0x000F FFFF										
0x0010 0000		Reserved for Flash	Reserved for Flash	Reserved for Flash						
0x002F 7FFF										
0x002F 8000		BBC DECRAM (2 Kbytes)	DECRAM (4 Kbytes) [VDDSRAM3]	DECRAM (2 Kbytes) [IRAMSTBY]	DECRAM (4 Kbytes) [VDDSRAM3]					
0x002F 87FF										
0x002F 8800		Reserved	Reserved	Reserved	Reserved					
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						
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				
0x002F C87F										
0x002F C880	DPTRAM Control	Reserved	Reserved	DPTRAM Control	DPTRAM_AB Control					
0x002F C8BF										
0x002F C900				Reserved	Reserved	Reserved	DPTRAM_C Control			
0x002F C93F										
0x002F C940										
0x002F C97F										
0x002F C980							Reserved	Reserved	Reserved	Reserved
0x002F C9BF										
0x002F CA00				DPTRAM (6 Kbytes) [VDDSRAM]	DPTRAM (8 Kbytes) [IRAMSTBY]	DPTRAM (8 Kbytes) [IRAMSTBY]	DPTRAM_AB (6 Kbytes) [VDDSRAM3]			
0x002F CABF										
0x002F CB00	Reserved	Reserved	Reserved	Reserved						
0x002F CB3F										
0x002F CB40	TPU3_A (1 Kbytes)	TPU3_A (1 Kbytes)	TPU3_A (1 Kbytes)	TPU3_A (1 Kbytes)						
0x002F CB7F										
0x002F CB80	TPU3_B (1 Kbytes)	TPU3_B (1 Kbytes)	TPU3_B (1 Kbytes)	TPU3_B (1 Kbytes)						
0x002F CBBF										
0x002F CBFF	QADC64_A (1 Kbytes)	QADC64E (1 Kbytes)	QADC64E (1 Kbytes)	QADC64E_A (1 Kbytes)	QADC64E_A (1 Kbytes)					
0x002F CC00										
0x002F CC3F	QADC64_B (1 Kbytes)	Reserved	Reserved	QADC64E_B (1 Kbytes)	QADC64E_B (1 Kbytes)					
0x002F CC7F										
0x002F CC80	QSMCM (1 Kbytes)	QSMCM (1 Kbytes)	QSMCM_A (1 Kbytes)	QSMCM (1 Kbytes)	QSMCM_A (1 Kbytes)					
0x002F CCBF										
0x002F CCF0	Reserved	Reserved	Reserved	Reserved	QSMCM_B (1 Kbytes)					
0x002F CCF7F										
0x002F CCFF					PPM (960 bytes)	Reserved	PPM (960 bytes)	TPU3_C (1 Kbytes)		
0x002F CD00										
0x002F CD3F		Reserved	Reserved	Reserved	Reserved					
0x002F CD7F										
0x002F CD80	MIOS1 (4 Kbytes)	MIOS14 (4 Kbytes)	MIOS14 (4 Kbytes)	MIOS14 (4 Kbytes)	MIOS14 (4 Kbytes)					
0x002F CDBF										
0x002F CE00	TouCAN_A (1 Kbytes)	Reserved	Reserved	TouCAN_A (1 Kbytes)	TouCAN_A (1 Kbytes)					
0x002F CE3F										
0x002F CE40	TouCAN_B (1 Kbytes)	TouCAN_B (1 Kbytes)	TouCAN_B (1 Kbytes)	TouCAN_B (1 Kbytes)	TouCAN_B (1 Kbytes)					
0x002F CE7F										
0x002F CE80	Reserved	Reserved	Reserved	TouCAN_C (1 Kbytes)	TouCAN_C (1 Kbytes)					
0x002F CEBF										
0x002F CF00		Reserved	Reserved	Reserved	Reserved					
0x002F CF7F										
0x002F CF80	UIMB Control	UIMB Control	UIMB Control	UIMB Control	UIMB Control					
0x002F CFFF										
0x0030 0000	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		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 87FF										
0x003F 8800	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 8FFF										

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

Mouser Electronics

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