

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					Reserved for Flash	Reserved for Flash	Reserved for Flash														
0x0007 FFFF																						
0x0008 0000		UC3F_B (512 Kbytes)	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 C83F																						
0x002F C840	CMF_B Control	Reserved	UC3F_B Control	Reserved	UC3F_B Control																	
0x002F C87F																						
0x002F C880	Reserved	Reserved	Reserved	Reserved	Reserved																	
0x002F FFFF																						
0x0030 0000	DPTRAM Control	Reserved	Reserved	DPTRAM Control	DPTRAM_AB Control																	
0x0030 003F																						
0x0030 0040	Reserved			Reserved	Reserved	DPTRAM_C Control																
0x0030 007F																						
0x0030 0080							Reserved	Reserved	Reserved	DLCMD2 Control												
0x0030 008F																						
0x0030 0090											Reserved	Reserved	Reserved	Reserved								
0x0030 0FFF																						
0x0030 1000															Reserved	Reserved	Reserved	DPTRAM_C (4 Kbytes) [VDDSRAM3]				
0x0030 1FFF																						
0x0030 2000																			Reserved	Reserved	Reserved	DPTRAM_AB (6 Kbytes) [VDDSRAM3]
0x0030 37FF																						
0x0030 3800																						
0x0030 3FFF																						
0x0030 4000	Reserved			Reserved	Reserved	Reserved																
0x0030 43FF																						
0x0030 4400							Reserved	Reserved	Reserved	Reserved												
0x0030 47FF																						
0x0030 4800											Reserved	Reserved	Reserved	Reserved								
0x0030 4BFF																						
0x0030 4C00		Reserved	Reserved												Reserved	Reserved						
0x0030 4FFF																						
0x0030 5000																	Reserved	Reserved	Reserved	Reserved		
0x0030 53FF																						
0x0030 5400																					Reserved	Reserved
0x0030 57FF																						
0x0030 5800	Reserved			Reserved	Reserved	Reserved																
0x0030 5BFF																						
0x0030 5C00							Reserved	Reserved	Reserved	Reserved												
0x0030 5C7F																						
0x0030 5FFF											Reserved	Reserved	Reserved	Reserved								
0x0030 6000																						
0x0030 6FFF		Reserved	Reserved												Reserved	Reserved						
0x0030 7000																						
0x0030 73FF																	Reserved	Reserved	Reserved	Reserved		
0x0030 7400																						
0x0030 77FF																					Reserved	Reserved
0x0030 7800																						
0x0030 7BFF	Reserved			Reserved	Reserved	Reserved																
0x0030 7C00																						
0x0030 7F7F							Reserved	Reserved	Reserved	Reserved												
0x0030 7F80																						
0x0030 7FFF											Reserved	Reserved	Reserved	Reserved								
0x0030 8000																						
0x0037 FFFF		Reserved for IMB	Reserved for IMB												Reserved for IMB	Reserved for IMB						
0x0038 0000																						
0x0038 003F																	Reserved for L-bus Control	Reserved for L-bus Control	Reserved for L-bus Control	Reserved for L-bus Control		
0x0038 0040																						
0x0038 007F																					Reserved for L-bus Control	Reserved for L-bus Control
0x0038 0080																						
0x0038 3FFF	Reserved for L-bus Memory			Reserved for L-bus Memory	Reserved for L-bus Memory	Reserved for L-bus Memory																
0x0038 4000																						
0x003F 6FFF							Reserved for L-bus Memory	Reserved for L-bus Memory	Reserved for L-bus Memory	Reserved for L-bus Memory												
0x003F 7000																						
0x003F 7FFF											Reserved for L-bus Memory	Reserved for L-bus Memory	Reserved for L-bus Memory	Reserved for L-bus Memory								
0x003F 8000																						
0x003F 97FF		Reserved for L-bus Memory	Reserved for L-bus Memory												Reserved for L-bus Memory	Reserved for L-bus Memory						
0x003F 9800																						
0x003F BFFF																	Reserved for L-bus Memory	Reserved for L-bus Memory	Reserved for L-bus Memory	Reserved for L-bus Memory		
0x003F C000																						
0x003F EFFF																					Reserved for L-bus Memory	Reserved for L-bus Memory
0x003F F000																						
0x003F FFFF	Reserved for L-bus Memory			Reserved for L-bus Memory	Reserved for L-bus Memory	Reserved for L-bus Memory																
0x003F FFFF																						

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