

RC-ONE Memory Map

8K SECTION			1K SECTION			DETAILS			Comparison			BLOCK SIZE	
	START	END		START	END		START	END	KIM-1	RC-ONE	RC-ONE 65K		
8K7	\$E000	\$FFF		\$FC00	\$FFFF	6530-002			(mirror)	(mirror)	28C64 EEPROM	1 024	
				\$F800	\$F9FF	6530-003						1 024	
				\$F400	\$F7FF							1 024	
				\$F000	\$F3FF							1 024	
				\$EC00	\$EFFF							1 024	
				\$E800	\$EBFF							1 024	
				\$E400	\$E7FF							1 024	
				\$E000	\$E3FF							1 024	
8K6	\$C000	\$DFFF									8 192		
8K5	\$A000	\$BFFF								(free)	8 192		
8K4	\$8000	\$9FFF									8 192		
8K3	\$6000	\$7FFF									8 192		
8K2	\$4000	\$5FFF								62256 Static RAM (optional)	8 192		
8K1	\$2000	\$3FFF									8 192		
8K0	\$0000	\$1FF	K7	\$1C00	\$1FFF	6530-002			6530-002 ROM	28C64 EEPROM	28C64 EEPROM (mirror)	1 024	
			K6	\$1800	\$1BFF	6530-003			6530-003 ROM			1 024	
			K5	\$1400	\$17FF	I/O2	\$17C0	\$17FF	6530-002 RAM	6532-002 RAM	6532-002 RAM	64	
							\$1780	\$17BF	6530-003 RAM			64	
						I/O3	\$1740	\$177F	6530-002 Register	6532-002 Register	6532-002 Register	64	
							\$1700	\$173F	6530-003 Register	(free)	6532-003 Register	64	
						(free)	\$1600	\$16FF	(free)	(free)	(free)	256	
							\$1500	\$15FF				256	
							\$1400	\$14FF				256	
			K4	\$1000	\$13FF				(free)	(free)	62256 Static RAM (optional)	1 024	
			K3	\$0C00	\$0FFF							1 024	
			K2	\$0800	\$0BFF							1 024	
			K1	\$0400	\$07FF							1 024	
			K0	\$0000	\$03FF	(free)	\$0200	\$03FF	1K RAM	62256 Static RAM			
						(stack)	\$0100	\$01FF					
						(reserved)	\$00EF	\$00FF					
						(page 0)	\$0000	\$00EE		62256 Static RAM			
												65 536	

RC-ONE Expansions

EXPANSIONS	4K SECTION				0.5K SECTION		0.25K SECTION		DETAILS			BLOCK SIZE	
		START	END		START	END	START	END		START	END		
(system)	4K0											4 096	
ExRAM	4K2		\$2000	\$2FFF						\$2000	\$2FFF	4 096	
	4K4		\$4000	\$4FFF								4 096	
	4K6		\$6000	\$6FFF								4 096	
	4K8		\$8000	\$8FFF								4 096	
	4KA		\$A000	\$AFFF								4 096	
Game Board			(A12=LO)	\$C000	\$CFFF	\$C000	\$C1FF			VIA #1			512
		\$C200				\$C3FF							512
		\$C400				\$C5FF							512
		\$C600				\$C7FF							512
TMS9918 (Video Display Controller)	4KC	\$C800				\$C9FF	\$C800	\$C8FF	\$C800	\$C801	256		
						\$C900	\$C9FF				256		
						\$CA00	\$CBFF	\$CA00	\$CAFF			256	
						\$CB00	\$CBFF				256		
Game Board						\$CC00	\$CDFF			VIA #3			512
Compact Flash						\$CE00	\$CFFF				\$CE00	\$CE0F	512
(system)	4KE											4 096	
(system)	4K1											4 096	
ExRAM	4K3		\$3000	\$3FFF						\$3000	\$3FFF	4 096	
	4K5		\$5000	\$5FFF								4 096	
	4K7		\$7000	\$7FFF								4 096	
	4K9		\$9000	\$9FFF								4 096	
	4KB		\$B000	\$BFFF								4 096	
Project Platform (PP 6502)					\$D000	\$D1FF			6522	\$D000	\$D00F	512	
Real Time Clock	4KD	(A12=HI)	\$D000	\$DFFF	\$D200	\$D3FF					512		
Sound Interface					\$D400	\$D5FF			SID #1	\$D400	\$D41C	512	
Serial (ACIA)					\$D600	\$D7FF				\$D600	\$D603	512	
					\$D800	\$D9FF						512	
					\$DA00	\$DBFF						512	
					\$DC00	\$DDFF						512	
Sound Interface					\$DE00	\$DFFF			SID #2	\$DE00	\$DE1C	512	
(system)					4KF								
												65 536	

Most expansions can be moved between 4K or 8K base addresses, default address specified in order to keep things organized. Multiple cards of the same type can be used within the same system by placing them on separate base addresses (as long as they don't use dedicated backplane pins).