

# Project Carbon — RC Series Bus — v0.99

	Description	Pin	B	A	Pin	Description		
RC-40 (Standard)	+5 V DC power	+5V	B1	A1	GND	Ground	RC-40 (Standard)	
	Machine cycle 1 indicator	/M1	B2	A2	/RESET	Primary reset		
	Interrupt request	/INT	B3	A3	CLK	Primary clock		
	Memory request	/MREQ	B4	A4	A0	16-bit address bus		
	I/O request	/IORQ	B5	A5	A1			
	Write strobe	/WR	B6	A6	A2			
	Read strobe	/RD	B7	A7	A3			
	−12 V DC power	−12V	B8	A8	A4			
	Serial transmit	TX	B9	A9	A5			
	Serial receive	RX	B10	A10	A6			
	+12 V DC power	+12V	B11	A11	A7			
		D0	B12	A12	A8			
		D1	B13	A13	A9			
		D2	B14	A14	A10			
	8-bit data bus		D3	B15	A15			A11
			D4	B16	A16			A12
			D5	B17	A17			A13
			D6	B18	A18			A14
			D7	B19	A19			A15
		+5 V DC power	+5V	B20	A20	GND		Ground
RC-64 (Enhanced)	+12 V DC power	+12V	B21	A21	GND	Ground	RC-64 (Enhanced)	
	+3.3 V DC power	+3.3V	B22	A22	GND	Ground		
	Secondary serial transmit	TX2	B23	A23	A16	24-bit address bus		
	Secondary serial receive	RX2	B24	A24	A17			
	Non-maskable interrupt	/NMI	B25	A25	A18			
	CPU wait request	/WAIT	B26	A26	A19			
	CPU halt indicator	/HALT	B27	A27	A20			
	Bus request	/BUSREQ	B28	A28	A21			
	Bus acknowledge	/BUSACK	B29	A29	A22			
	Secondary clock	CLK2	B30	A30	A23			
	Secondary reset	/RESET2	B31	A31	/RFSH	Refresh cycle indicator		
		+5 V DC power	+5V	B32	A32	GND		Ground
	RC-80 (Advanced)	Trap breakpoint	/TRAP	B33	A33	GND		Ground
Address latch enable		ALE	B34	A34	GND	Ground		
Zilog direct memory access		/BAI	B35	A35	IEI	Zilog interrupt requests		
		/BAO	B36	A36	IEO			
Direct memory access		/DREQ0	B37	A37	/IRQ0	Interrupt requests		
		/DACK0	B38	A38	/IRQ1			
		/DREQ1	B39	A39	/IRQ2			
		/DACK1	B40	A40	/IRQ3			
RC-100 (Ultimate)	Direct memory access	/DREQ2	B41	A41	/IRQ4	Interrupt requests	RC-100 (Ultimate)	
		/DACK2	B42	A42	/IRQ5			
		/DREQ3	B43	A43	/IRQ6			
		/DACK3	B44	A44	/IRQ7			
	(Unassigned)	(NC)	B45	A45	(NC)	(Unassigned)		
	(Unassigned)	(NC)	B46	A46	(NC)	(Unassigned)		
	Bus lock	/LOCK	B47	A47	VMA	Valid memory address		
	Program store enable	/PSEN	B48	A48	/FIRQ	Fast interrupt request		
		+12 V DC power	+12V	B49	A49	GND		Ground
		+5 V DC power	+5V	B50	A50	GND		Ground
RC-120 (eXtended)	16-bit data bus	D8	B51	A51	A24	32-bit address bus	RC-120 (eXtended)	
		D9	B52	A52	A25			
		D10	B53	A53	A26			
		D11	B54	A54	A27			
		D12	B55	A55	A28			
		D13	B56	A56	A29			
		D14	B57	A57	A30			
		D15	B58	A58	A31			
		+3.3 V DC power	+3.3V	B59	A59	GND		Ground
		+5 V DC power	+5V	B60	A60	GND		Ground