Project Carbon — JC Series Bus

	Description	Pin	B	A	Pin	Description	
JC-40 (Standard)	*+5 V DC power*	**+5V**	B1	A1	**GND**	*Ground*	JC-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**		
	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**	*16-bit address bus*	
	8-bit data bus	**D0**	B12	A12	**A8**		
		D1	B13	A13	**A9**		
		D2	B14	A14	**A10**		
		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*	
JC-64 (Enhanced)	*+12 V DC power*	**+12V**	B21	A21	**GND**	*Ground*	JC-64 (Enhanced)
	+3.3 V DC power	**+3.3V**	B22	A22	**GND**	*Ground*	
	Secondary serial transmit	**TX2**	B23	A23	**A16**		
	Secondary serial receive	**RX2**	B24	A24	**A17**		
	Non-maskable interrupt	**/NMI**	B25	A25	**A18**		
	CPU wait request	**/WAIT**	B26	A26	**A19**	*24-bit address bus*	
	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*	
JC-80 (Advanced)	*Trap breakpoint*	**/TRAP**	B33	A33	**GND**	*Ground*	JC-80 (Advanced)
	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**		
JC-100 (Ultimate)	*Direct memory access*	**/DREQ2**	B41	A41	**/IRQ4**	*Interrupt requests*	JC-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*	
JC-120 (eXtended)	*16-bit data bus*	**D8**	B51	A51	**A24**	*32-bit address bus*	JC-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*	