Project Carbon — JC Series Bus

Series	Description	Pin (B)	B	A	Pin (A)	Description	Series
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	
		D0	B12	A12	A8		
		D1	B13	A13	A9		
		D2	B14	A14	A10		
		D3	B15	A15	A11		
	8-bit data bus	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		
		/DREQ0	B37	A37	/IRQ0		
	Direct memory access	/DACK0	B38	A38	/IRQ1	Interrupt requests	
		/DREQ1	B39	A39	/IRQ2		
		/DACK1	B40	A40	/IRQ3		
JC-100 (Ultimate)		/DREQ2	B41	A41	/IRQ4		JC-100 (Ultimate)
	Direct memory access	/DACK2	B42	A42	/IRQ5	Interrupt requests	
		/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)		D8	B51	A51	/BHE	Byte high enable	JC-120 (eXtended)
		D9	B52	A52	(RES)	(Reserved)	
		D10	B53	A53	(NC)	(Unassigned)	
	16-bit data bus	D11	B54	A54	(NC)	(Unassigned)	
		D12	B55	A55	(NC)	(Unassigned)	
		D13	B56	A56	(NC)	(Unassigned)	
		D14	B57	A57	(NC)	(Unassigned)	
		D15	B58	A58	(NC)	(Unassigned)	
	+3.3 V DC power	+3.3V	B59	A59	GND	Ground	
	+5 V DC power	+5V	B60	A60	GND	Ground	