Project Carbon — JC-Series Bus

Description	Pin	B	A	Pin	*Description*
+5 V DC power	**+5V**	B1	A1	**GND**	*Ground*
Machine cycle 1 indicator	**/M1**	B2	A2	**/RESET**	*Primary reset*
Interrupt request	**/INT**	B3	A3	**CLK**	*Primary clock*
Memory request	**/MREQ**	B4	A4	**A0**	
Write strobe	**/WR**	B5	A5	**A1**	
Read strobe	**/RD**	B6	A6	**A2**	
I/O request	**/IORQ**	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*
+12 V DC power	**+12V**	B21	A21	**GND**	*Ground*
+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*
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**	
	/DREQ0	B37	A37	**/IRQ0**	
Direct memory access	**/DACK0**	B38	A38	**/IRQ1**	*Interrupt requests*
	/DREQ1	B39	A39	**/IRQ2**	
	/DACK1	B40	A40	**/IRQ3**	
	/DREQ2	B41	A41	**/IRQ4**	
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)*
+5 V DC power	**+5V**	B47	A47	**GND**	*Ground*
+12 V DC power	**+12V**	B48	A48	**GND**	*Ground*
Program store enable	**/PSEN**	B49	A49	**/FIRQ**	*Fast interrupt request*
Valid memory address	**VMA**	B50	A50	**(RES)**	*(Reserved)*

JC-40 (Standard)	JC-64 (Enhanced)	JC-80 (Advanced)	JC-100 (Ultimate)