

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 | 16-bit address bus | | |
| | I/O request | /IORQ | B5 | A5 | A1 | | | |
| | Write strobe | /WR | B6 | A6 | A2 | | | |
| | Read strobe | /RD | B7 | A7 | A3 | 16-bit address bus | | |
| | −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 | | | |
| | 8-bit data bus | D0 | B12 | A12 | A8 | 8-bit data bus | | |
| | | 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 | | | |
| JC-64 (Enhanced) | +5 V DC power | +5V | B20 | A20 | GND | Ground | JC-64 (Enhanced) | |
| | +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 | 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 | 24-bit address bus | | |
| | 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) | (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 | /BHE | Byte high enable | JC-120 (eXtended) | |
| | | D9 | B52 | A52 | (RES) | (Reserved) | | |
| | | D10 | B53 | A53 | (NC) | (Unassigned) | | |
| | | 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 | | | |