

XS95 Pins (J2)	Power/ GND	DIP Switch	Push-buttons	LEDs	VGA Interface	PS/2 Interface	RAMs	Stereo Codec	8051 Uc	PC Parallel Port	Oscillator	Function
1				LSB0			A4					Left LED segment; RAM address line
2				LSB1			A7					Left LED segment; RAM address line
3				LSB2			A5					Left LED segment; RAM address line
4												Uncommitted XS95 I/O pin
5		DIPSW4							SDOUT P1.3			DIP switch; codec serial data output; uC I/O
6		DIPSW1					LCEB		P1.0			DIP switch; left RAM chip-enable, uC I/O port
7		DIPSW2					RCEB		P1.1			DIP switch; right RAM chip-enable, uC I/O port
9											CLK	XS Board oscillator
10			RESETB						XTAL1			Pushbutton; uC clock
11		DIPSW3							MCLK P1.2			DIP switch; codec master clock; uC I/O port
12												Uncommitted XS95 I/O pin
13									PSENB			uC program store-enable
14				S5	RED1							XS Board LED segment; VGA color signal
15				S6	HSYNCB							XS Board LED segment; VGA horiz. sync.
17				S3	GREEN1							XS Board LED segment; VGA color signal
18				S4	RED0							XS Board LED segment; VGA color signal
19				S2	GREEN0							XS Board LED segment; VGA color signal
20									ALEB			uC address-latch-enable
21				S0	BLUE0							XS Board LED segment; VGA color signal
23				S1	BLUE1							XS Board LED segment; VGA color signal
25												Uncommitted XS95 I/O pin
26						KB_CLK			P3.4 (T0)			PS/2 keyboard clock; uC I/O port
28												JTAG TDI; DIN
29												JTAG TMS
30												JTAG TCK; CCLK
31									P3.0 (RXD)			uC I/O port
32									P3.7 (RD_)			uC I/O port
33									P3.5 (T1)			uC I/O port
34				RDPB					P2.7			Right LED decimal-point; RAM address line; uC I/O port
35				DB8			D7		P0.7			LED; RAM data line; uC muxed address/data line
36				DB7			D6		P0.6			LED; RAM data line; uC muxed address/data line
37				DB6			D5		P0.5			LED; RAM data line; uC muxed address/data line
39				DB5			D4		P0.4			LED; RAM data line; uC muxed address/data line
40				DB4			D3		P0.3			LED; RAM data line; uC muxed address/data line
41				DB3			D2		P0.2			LED; RAM data line; uC muxed address/data line
43				DB2			D1		P0.1			LED; RAM data line; uC muxed address/data line
44				DB1			D0		P0.0			LED; RAM data line; uC muxed address/data line
45									RST			uC reset
46								CCLK		PC_D0		Codec control line; PC parallel port data output
47								CDIN		PC_D1		Codec control line; PC parallel port data output
48								CSB		PC_D2		Codec control line; PC parallel port data output
49	GND											Power supply ground
50										PC_D3		PC parallel port data output
51										PC_D4		PC parallel port data output
52										PC_D5		PC parallel port data output
53				RSB4			A12		P2.4			Right LED segment; RAM address line; uC I/O port
54				RSB2			A10		P2.2			Right LED segment; RAM address line; uC I/O port
55				RSB3			A11		P2.3			Right LED segment; RAM address line; uC I/O port
56				RSB1			A9		P2.1			Right LED segment; RAM address line; uC I/O port
57				RSB5			A13		P2.5			Right LED segment; RAM address line; uC I/O port
58				RSB0			A8		P2.0			Right LED segment; RAM address line; uC I/O port
59												JTAG TDO; DOUT
61				RSB6			A14		P2.6			Right LED segment; RAM address line; uC I/O port
62							OEB					RAM output-enable
63							WEB		P3.6 (WR_)			RAM write-enable; uC I/O port
65							CEB					XS Board RAM chip-enable
66		DIPSW7						LRCK	P1.6	PC_S5		DIP switch; codec left-right channel select; uC I/O port; PC parallel port status input
68									P3.3 (INT1_)			uC I/O port
69									P3.2 (INT0_)			uC I/O port
70						KB_DATA			P3.1 (TXB_)	S6		DIP switch; PS/2 keyboard serial data; uC I/O port; PC parallel port status input
71		DIPSW8						SDIN	P1.5	PC_S3		DIP switch; codec serial input data; uC I/O port; PC parallel port status input
72		DIPSW5						SCLK	P1.4	PC_S4		DIP switch; codec serial clock; uC I/O port; PC parallel port status input
74												Uncommitted XS95 I/O pin
75				LSB3			A0					Left LED segment; RAM address line
76												Uncommitted XS95 I/O pin
77												Uncommitted XS95 I/O pin
78	+5V											+5V power source
79				LSB4			A1					Left LED segment; RAM address line
80										PC_D7		PC parallel port data output
81										PC_D6		PC parallel port data output
82				LSB5			A2					Left LED segment; RAM address line
83				LSB6			A6					Left LED segment; RAM address line
84				LDPB			A3					Left LED decimal-point; RAM address line
24,67			SPAREBDP		VSYNCB				P1.7			Pushbutton; XS Board LED decimal-point; VGA horiz. sync.; uC I/O port

