

ETX Connector Details

Connector X1

Pin Number	Signal	Signal Level	Pin Number	Signal	Signal Level
1	GND		2	GND	
3	PCICLK3	3.3 v	4	PCICLK4	3.3 v
5	GND		6	GND	
7	PCICLK1	3.3 v	8	PCICLK2	3.3 v
9	REQ3#	3.3 v	10	GNT3#	3.3 v
11	GNT2#	3.3 v	12	3V	3.3 v
13	REQ2#	3.3 v	14	GNT1#	3.3 v
15	REQ1#	3.3 v	16	3V	3.3 v
17	GNT0#	3.3 v	18	NC	
19	VCC	5 v	20	VCC	5 v
21	SERIRQ	3.3 v	22	REQ0#	3.3 v
23	AD0	3.3 v	24	3V	3.3 v
25	AD1	3.3 v	26	AD2	3.3 v
27	AD4	3.3 v	28	AD3	3.3 v
29	AD6	3.3 v	30	AD5	3.3 v
31	CBE0#	3.3 v	32	AD7	3.3 v
33	AD8	3.3 v	34	AD9	3.3 v
35	GND		36	GND	
37	AD10	3.3 v	38	AUXAL	Audio
39	AD11	3.3 v	40	MIC	Audio
41	AD12	3.3 v	42	AUXAR	Audio
43	AD13	3.3 v	44	ASVCC	5 v Audio
45	AD14	3.3 v	46	SNDL	Audio
47	AD15	3.3 v	48	ASGND	
49	CBE1#	3.3 v	50	SNDR	Audio
51	VCC	5 v	52	VCC	5 v
53	PAR	3.3 v	54	SERR#	3.3 v
55	PERR#	3.3 v	56	NC	
57	PME#	3.3 v	58	USB2#	3.3 v
59	LOCK#	3.3 v	60	DEVSEL#	3.3 v
61	TRDY#	3.3 v	62	USB3#	3.3 v
63	IRDY#	3.3 v	64	STOP#	3.3 v
65	FRAME#	3.3 v	66	USB2	3.3 v
67	GND		68	GND	
69	AD16	3.3 v	70	CBE#2	3.3 v
71	AD17	3.3 v	72	USB3	3.3 v
73	AD19	3.3 v	74	AD18	3.3 v
75	AD20	3.3 v	76	USB0#	3.3 v
77	AD22	3.3 v	78	AD21	3.3 v
79	AD23	3.3 v	80	USB1#	3.3 v
81	AD24	3.3 v	82	CBE3#	3.3 v
83	VCC	5 v	84	VCC	5 v
85	AD25	3.3 v	86	AD26	3.3 v
87	AD28	3.3 v	88	USB0	3.3 v
89	AD27	3.3 v	90	AD29	3.3 v
91	AD30	3.3 v	92	USB1	3.3 v
93	PCIRST#	3.3 v	94	AD31	3.3 v
95	INTC#	3.3 v	96	INTD#	3.3 v
97	INTA#	3.3 v	98	INTB#	3.3 v
99	GND		100	GND	

Note: All PCI signals should be 5 volt tolerant if used with third party boards.

Connector X2

Pin Number	Signal	Signal Level	Pin Number	Signal	Signal Level
1	GND		2	GND	
3	SD14	5 v	4	SD15	5 v
5	SD13	5 v	6	MASTER#	5 v
7	SD12	5 v	8	DREQ7	5 v
9	SD11	5 v	10	DACK7#	5 v
11	SD10	5 v	12	DREQ6	5 v
13	SD9	5 v	14	DACK6#	5 v
15	SD8	5 v	16	DREQ5	5 v
17	MEMW#	5 v	18	DACK5#	5 v
19	MEMR#	5 v	20	DREQ0	5 v
21	LA17	5 v	22	DACK0#	5 v
23	LA18	5 v	24	IRQ14	5 v
25	LA19	5 v	26	IRQ15	5 v
27	LA20	5 v	28	IRQ12	5 v
29	LA21	5 v	30	IRQ11	5 v
31	LA22	5 v	32	IRQ10	5 v
33	LA23	5 v	34	IOCS16#	5 v
35	GND		36	GND	
37	SBHE#	5 v	38	MEMCS16#	5 v
39	SA0	5 v	40	OSC	5 v
41	SA1	5 v	42	BALE	5 v
43	SA2	5 v	44	TC	5 v
45	SA3	5 v	46	DACK2#	5 v
47	SA4	5 v	48	IRQ3	5 v
49	SA5	5 v	50	IRQ4	5 v
51	VCC	5 v	52	VCC	5 v
53	SA6	5 v	54	IRQ5	5 v
55	SA7	5 v	56	IRQ6	5 v
57	SA8	5 v	58	IRQ7	5 v
59	SA9	5 v	60	SYSCLK	5 v
61	SA10	5 v	62	REFRESH#	5 v
63	SA11	5 v	64	DREQ1	5 v
65	SA12	5 v	66	DACK1#	5 v
67	GND		68	GND	
69	SA13	5 v	70	DREQ3	5 v
71	SA14	5 v	72	DACK3#	5 v
73	SA15	5 v	74	IOR#	5 v
75	SA16	5 v	76	IOW#	5 v
77	SA18	5 v	78	SA17	5 v
79	SA19	5 v	80	SMEMR#	5 v
81	IOCHRDY	5 v	82	AEN	5 v
83	VCC	5 v	84	VCC	5 v
85	SD0	5 v	86	SMEMW#	5 v
87	SD2	5 v	88	SD1	5 v
89	SD3	5 v	90	OWS#	5 v
91	DREQ2	5 v	92	SD4	5 v
93	SD5	5 v	94	IRQ9	5 v
95	SD6	5 v	96	SD7	5 v
97	IOCHCK#	5 v	98	RSTDRV	5 v
99	GND		100	GND	

Connector X3

Pin Number	Signal	Signal Level	Pin Number	Signal	Signal Level
1	GND		2	GND	
3	RED	Video	4	BLUE	Video
5	HSYNC	3.3 v	6	GREEN	Video
7	VSYNC	3.3 v	8	DDCK	3.3 v
9	DETECT#		10	DDDA	3.3 v
11	2 ND LVDSCLK#/B4	2.5 v / 3.3 v	12	2 nd LVDS3/SHFCLK	2.5 v / 3.3 v
13	2 ND LVDSCLK/B5	2.5 v / 3.3 v	14	2 nd LVDS3#/EN	2.5 v / 3.3 v
15	GND		16	GND	
17	2 ND LVDS 1/B1	2.5 v / 3.3 v	18	2 ND LVDS2/B3	2.5 v / 3.3 v
19	2 ND LVDS1#/B0	2.5 v / 3.3 v	20	2 ND LVDS2#/B2	2.5 v / 3.3 v
21	GND		22	GND	
23	1 ST LVDS3/G2	2.5 v / 3.3 v	24	2 ND LVDS0/G5	2.5 v / 3.3 v
25	1 ST LVDS3#/G3	2.5 v / 3.3 v	26	2 ND LVDS0#/G4	2.5 v / 3.3 v
27	GND		28	GND	
29	1 ST LVDS2#/R4	2.5 v / 3.3 v	30	1 ST LVDSCLK/G1	2.5 v / 3.3 v
31	1 ST LVDS2/R5	2.5 v / 3.3 v	32	1 ST LVDSCLK#/G0	2.5 v / 3.3 v
33	GND		34	GND	
35	1 ST LVDS0/R1	2.5 v / 3.3 v	36	1 ST LVDS1/R3	2.5 v / 3.3 v
37	1 ST LVDS0#/R0	2.5 v / 3.3 v	38	1 ST LVDS1#/R2	2.5 v / 3.3 v
39	VCC	5 v	40	VCC	5 v
41	I2CDAT	3.3 v	42	LTGIO/FLM	2.5 v / 3.3 v
43	I2CCLK	3.3 v	44	BLON#	3.3 v
45	BIASON/LP	2.5 v / 3.3 v	46	DIGON	3.3 v
47	NC		48	NC	
49	NC		50	NC	
51	LPT/FLPY#	3.3 v	52	NC	
53	VCC		54	GND	
55	STB#/RSVD	3.3 v	56	AFD#/DENSEL	3.3 v
57	RSVD	3.3 v	58	PD7/RSVD	3.3 v
59	IRRX	3.3 v	60	ERR#/HDSEL#	3.3 v
61	IRTX	3.3 v	62	PD6/RSVD	3.3 v
63	RXD2	3.3 v	64	INIT#/DIR#	3.3 v
65	GND		66	GND	
67	RTS2#	3.3 v	68	PD5/RSVD	3.3 v
69	DTR2#	3.3 v	70	SLIN#/STEP#	3.3 v
71	DCD2#	3.3 v	72	PD4/DSKCHG#	3.3 v
73	DSR2#	3.3 v	74	PD3/RDATA#	3.3 v
75	CTS2#	3.3 v	76	PD2/WP#	3.3 v
77	TXD2	3.3 v	78	PD1/TRK0#	3.3 v
79	RI2#	3.3 v	80	PD0/INDEX#	3.3 v
81	VCC	5 v	82	VCC	5 v
83	RXD1	3.3 v	84	ACK#/DRV	3.3 v
85	RTS1#	3.3 v	86	BUSY#/MOT	3.3 v
87	DTR1#	3.3 v	88	PE/WDATA#	3.3 v
89	DCD1#	3.3 v	90	SLCT#/WGATE#	3.3 v
91	DSR1#	3.3 v	92	MSCLK	3.3 v
93	CTS1#	3.3 v	94	MSDAT	3.3 v
95	TXD1	3.3 v	96	KBCLK	3.3 v
97	RI1#	3.3 v	98	KBDAT	3.3 v
99	GND		100	GND	

NOTE: These signals are the definition for the LCD build version of the ETX CN700

NOTE: These signals are the definition when signal LPT/FLPY# (Pin51 of X3) is pulled low at power on.

Connector X4

Pin Number	Signal	Signal Level	Pin Number	Signal	Signal Level
1	GND		2	GND	
3	5VSB	5 v	4	PWRGDIN	3.3 v or 5 v
5	PSON	5 v	6	SPEAKER	5 v
7	PWRBTN#	3.3 v	8	BATT	Battery
9	KBINH	3.3 v / 5 v	10	ACTLED/LILED	3.3 v
11	RSMRST#	OD	12	LILED/3V3VSUS	3.3 v
13	RSVD		14	SPEEDLED	3.3 v
15	RSVD		16	I2CLK	3.3 v
17	VCC	5 v	18	VCC	5 v
19	OVCR#	5 v	20	RSVD	
21	EXTSMI#	3.3 v	22	I2DAT	3.3 v
23	SMBCLK	3.3 v	24	SMBDATA	3.3 v
25	SIDE_CS3#	3.3 v	26	SMBALERT#	3.3 v
27	SIDE_CS1#	3.3 v	28	DASP_S	3.3 v
29	SIDE_A2	3.3 v	30	PIDE_CS3#	3.3 v
31	SIDE_A0	3.3 v	32	PIDE_CS1#	3.3 v
33	GND		34	GND	
35	PDIAG_S	3.3 v	36	PIDE_A2	3.3 v
37	SIDE_A1	3.3 v	38	PIDE_A0	3.3 v
39	SIDE_IRQ	3.3 v	40	PIDE_A1	3.3 v
41	BATLOW#	3.3 v	42	SIDE_33/66#	3.3 v
43	SIDE_AK#	3.3 v	44	PIDE_IRQ	3.3 v
45	SIDE_RDY	3.3 v	46	PIDE_AK#	3.3 v
47	SIDE_IOR#	3.3 v	48	PIDE_RDY	3.3 v
49	VCC		50	VCC	
51	SIDE_IOW#	3.3 v	52	PIDE_IOR#	3.3 v
53	SIDE_DRQ	3.3 v	54	PIDE_IOW#	3.3 v
55	SIDE_D15	3.3 v	56	PIDE_DRQ	3.3 v
57	SIDE_D0	3.3 v	58	PIDE_D15	3.3 v
59	SIDE_D14	3.3 v	60	PIDE_D0	3.3 v
61	SIDE_D1	3.3 v	62	PIDE_D14	3.3 v
63	SIDE_D13	3.3 v	64	PIDE_D1	3.3 v
65	GND		66	GND	
67	SIDE_D2	3.3 v	68	PIDE_D13	3.3 v
69	SIDE_D12	3.3 v	70	PIDE_D2	3.3 v
71	SIDE_D3	3.3 v	72	PIDE_D12	3.3 v
73	SIDE_D11	3.3 v	74	PIDE_D3	3.3 v
75	SIDE_D4	3.3 v	76	PIDE_D11	3.3 v
77	SIDE_D10	3.3 v	78	PIDE_D4	3.3 v
79	SIDE_D5	3.3 v	80	PIDE_D10	3.3 v
81	VCC	5 v	82	VCC	5 v
83	SIDE_D9	3.3 v	84	PIDE_D5	3.3 v
85	SIDE_D6	3.3 v	86	PIDE_D9	3.3 v
87	SIDE_D8	3.3 v	88	PIDE_D6	3.3 v
89	RING#	3.3 v	90	PIDE_33/66#	3.3 v
91	RXD#	3.3 v	92	PIDE_D8	3.3 v
93	RXD	3.3 v	94	SIDE_D7	3.3 v
95	TXD#	3.3 v	96	PIDE_D7	3.3 v
97	TXD	3.3 v	98	HDRST#	3.3 v
99	GND		100	GND	