

PBE-1000

ETX Evaluation Board

Quick Installation Guide

Version 2.2

Form Factor <i>ETX Evaluation Board</i>	Video <i>LVDS/ CRT connectors</i>	Audio <i>Phone jack for Line-in/ Line-out, MIC-in</i>
I/O <i>PCI/ ISA/ USB/ IDE/ COM/ LPT/ FDD/ CF II</i>	Ethernet <i>RJ-45 LAN Connector</i>	

◆ Technical Support

If you have any technical difficulties, please consult the user's manual first at:
<ftp://ftp.arbor.com.tw/pub/manual>

Please do not hesitate to call or e-mail our customer service when you still can not find out the answer.

<http://www.arbor.com.tw>

E-mail: info@arbor.com.tw

Declaration of Conformity

FCC Class A

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

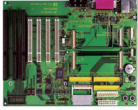


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404110001220P

Packing List

Before you begin installing your single board, please make sure that the following materials have been shipped:



1 x PBE-1000 ETX evaluation board



1 x Quick Installation Guide

Ordering Information

PBE-1000	ATX form factor ETX evaluation board with POST, secondary I/O, audio and flash disk socket
Cable Kit	CBK-05-1000-00

Specification

Form Factor	ETX evaluation board in ATX form factor
I/O Controller	WINBOND W83977
Audio	Phone Jack for Line-in/ Line-out, Mic-in
IDE Interface	2 x IDE port connector
Serial Port	4 x Serial port connector
Parallel Port/ Floppy	1 x Parallel port connector 2 x Floppy connector (FDD1 by onboard Super I/O, LPTFDD1 share with LPT1)
Keyboard / Mouse	Standard PS/2 Keyboard and Mouse connector
Universal Serial Bus	4 x USB port connector
LCD	LVDS connector
VGA	CRT connector
DIO	8-bit Digital Input / 8-bit Digital Output
IrDA	1 x IrDA connector
Expansion Interface	3 x ISA slot, 1 x CF II (share with IDE interface), 4 x PCI slot
Operation Temp.	0°C - 60°C (32°F ~ 140°F)
Power Connector	ATX and AT
Dimension (L x W)	305 x 210 mm (12.0" x 8.3")

Jumpers/ Connectors Quick Reference

Jumpers

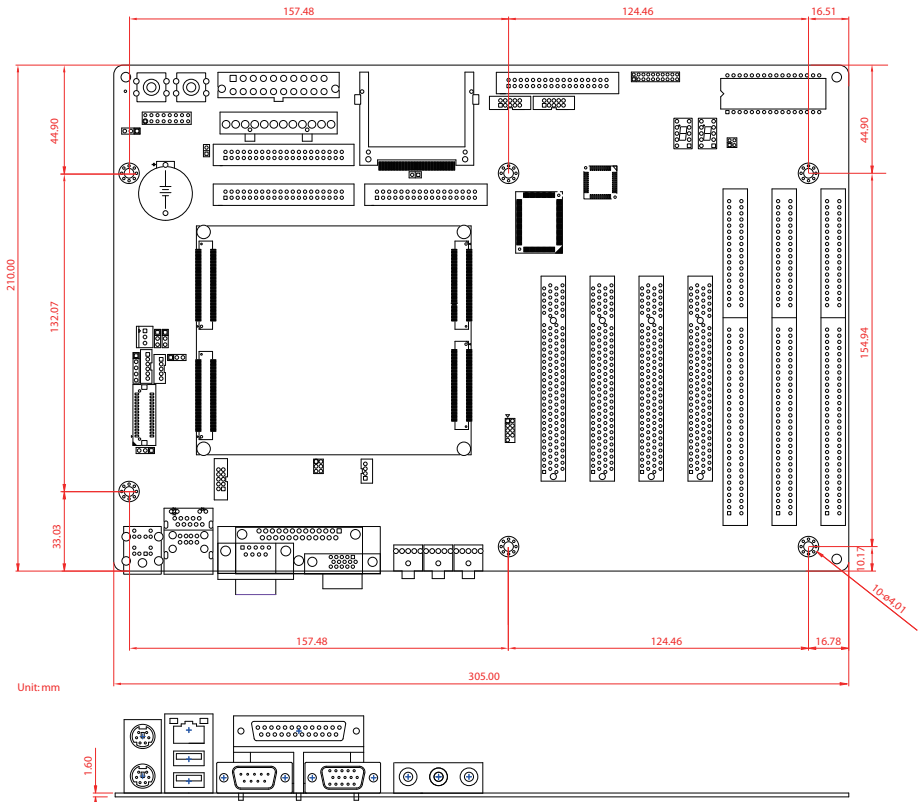
Label	Function
JVLCD1	LCD Voltage Select
JRS1	COM2 RS-232/422/485 Select
JWDT1	Watchdog Timer Mode Select
JBLON1	LCD Panel Backlight Select
JBAT1	Clear CMOS
JDIAG1	IDE 100 or 33 mode Select
JCFD1	CF IDE1 mode Select (Master or Slave)
JDOC1	DOC Base Address Select

Connectors

Label	Function
KBM1	PS/2 Keyboard and Mouse Connector
COM1, 2, 3, 4	RS-232 Serial Port Connector
VGA1	VGA Connector
LPT1	Parallel Port Connector
AUDIO	Audio Connector
CON1	RS-422/485 Output Connector
USB2	USB2~3 Connector
USB1LAN1	USB0~1 Connector RJ-45 Connector
LVDS1	Dual Channel LVDS Connector
SIR1	IrDA Connector
TV1	TV-Out Connector
INV1	LCD Inverter Connector
SYSF1	CPU Fan Power Connector
I2C1	I2C Connector

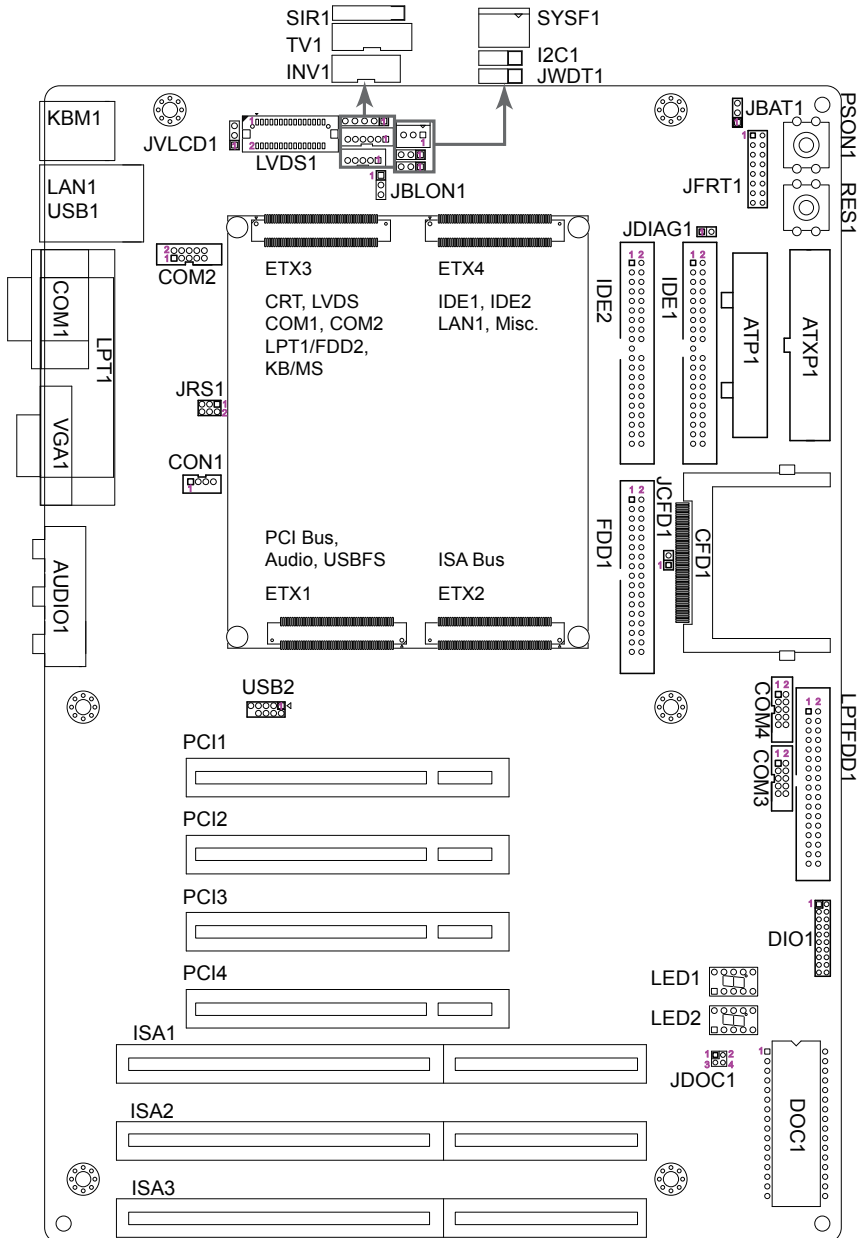
JFRT1	Front Panel Connector
PERSON1	Power Switch
RES1	Reset Switch
IDE1	Primary IDE Connector
IDE2	Secondary IDE Connector
ATP1	AT Power Connector
ATXP1	ATX Power Connector
FDD1, LPTFDD1	Floppy Disk Drive Connector
PCI1~4	PCI Bus Slot
ISA1~3	ISA Bus Slot
CFD1	Compact Flash II Socket
DOC1	Disk On Chip Socket
DIO1	Digital I/O Connector
LED1, LED2	Port 80 POST codes for debug
ETX1~4	ETX Bus Connector

Board Dimension



Unit:mm

Jumpers & Connectors





Jumpers

JVLCD1: LCD Panel Voltage Select

The voltage of LCD panel could be selected by JVLCD1 in +5V or +3.3V.




Connector type: 2.54mm pitch 1x3 pin header.

Pin	Voltage	
1-2	+5V	
2-3	+3.3V (Default)	

JRS1: COM2 RS-232/422/485 Select



Connector type: 2.00mm pitch 2x3 pin header.

Mode	RS-232 (Default)	RS-422	RS-485
1-2	Short	Open	Open
3-4	Open	Short	Open
5-6	Open	Open	Short



JWDT1: WDT Mode Setup

Connector type: 2.54mm pitch 1x3 pin header.

Pin	Mode	
1-2	RST_SW (Default)	
2-3	NMI	



JBLON1: LCD Panel Backlight Select

Connector type: 2.54mm pitch 1x3 pin header.

Pin	Mode	
1-2	Backlight on Hi Active	
2-3	Backlight on Low Active (Default)	



JBAT1: CMOS Setup

Connector type: 2.54mm pitch 1x3 pin header.

Pin	Mode	
1-2	Keep CMOS (Default)	
2-3	Clear CMOS	



JDIAG1: IDE 100/ 33 Mode Select

Connector type: 2.54mm pitch 1x2 pin header.

Pin	Setup	Mode	
1-2	Open	Ultra DMA 33	
1-2	Short (Default)	Ultra DMA 100	

JCFD1: CF IDE1 mode Select (master or Slave)

Connector type: 2.54mm pitch 1x2 pin header.

Pin	Mode	
Short	Master (Default)	
Open	Slave	

JDOC1: DOC Base Address Select

Connector type: 2.00mm pitch 2x2 pin header.

Based Address	3-4	1-2	
D800	Short	Open	
D000 (Default)	Open	Short	
Disabled	Open	Open	

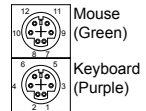
Connectors

KBM1: PS/2 Keyboard & Mouse

Standard PS/2 Keyboard & Mouse connector

Connector type: double stack 6-pin mini DIN.

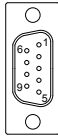
Pin	Description
1	KB Data
2	N/C
3	GND
4	+5V
5	KB Clock
6	N/C
7	MS Data
8	N/C
9	GND
10	+5V
11	MS Clock
12	N/C



COM1: RS-232 Connector

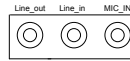
Connector type: D-Sub 9-pin male.

Pin	Desc.	Pin	Desc.
1	DCD#	6	DSR#
2	RXD	7	RTS#
3	TXD	8	CTS#
4	DTR#	9	RI#
5	GND		



AUDIO1: Audio Connector

The AUDIO1 is composed of Line in, Line out and Microphone jacks.

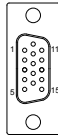


Pink: MIC
Blue: Line-In
Green: Line-Out

VGA1: CRT Connector

Connector type: D-Sub 15-pin female.

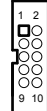
Pin	Desc.	Pin	Desc.
1	RED	9	N/C
2	GREEN	10	GND
3	BLUE	11	N/C
4	N/C	12	D-DATA
5	GND	13	H-SYNC
6	GND	14	V-SYNC
7	GND	15	D-DCLK
8	GND		



COM2~4: RS-232 Connectors

Connector type: 2.00m pitch 2x5 box header.

Pin	Desc.	Pin	Desc.
1	DCD#	2	RXD
3	TXD	4	DTR#
5	GND	6	DSR#
7	RTS#	8	CTS#
9	RI#	10	N/C



CON1: RS-422/485 Output Connector

Connector type: 2.00m pitch 1x4 box wafer connector.

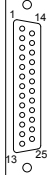
Pin	RS-422	RS-485
1	TX+	DATA+
2	TX-	DATA-
3	RX+	N/C
4	RX-	N/C



LPT1: Parallel Port

Connector type: D-Sub 25-pin female.
SPP/EPP/ECP mode, shared with LPTFDD1.

Pin	Desc.	Pin	Desc.
1	STROBE	14	AFD
2	PTD0	15	ERROR
3	PTD1	16	INIT
4	PTD2	17	SLIN
5	PTD3	18	GND
6	PTD4	19	GND
7	PTD5	20	GND
8	PTD6	21	GND
9	PTD7	22	GND
10	ACK	23	GND
11	BUSY	24	GND
12	PE	25	GND
13	SELECT		



USB2: USB Connector

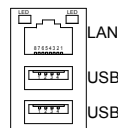
Connector type: 2.00m pitch 2x5 pin header.

Pin	Desc.	Pin	Desc.
1	+5V	2	+5V
3	USBD-	4	USBD-
5	USBD+	6	USBD+
7	GND	8	GND
9	GND	10	N/C (Key)



LAN1, USB1: 1 x RJ-45 + 2 x USB

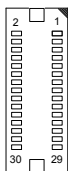
Connector type: RJ-45 + double stack USB type A connector.



LVDS1: LVDS LCD Connector

Connector type: DF-13-30DP-1.25V connector.

Pin	Desc.	Pin	Desc.
2	VDD	1	VDD
4	TX2CLK+	3	TX1CLK+
6	TX2CLK-	5	TX1CLK-
8	GND	7	GND
10	TX2D0+	9	TX1D0+
12	TX2D0-	11	TX1D0-
14	GND	13	GND
16	TX2D1+	15	TX1D1+
18	TX2D1-	17	TX1D1-
20	GND	19	GND
22	TX2D2+	21	TX1D2+
24	TX2D2-	23	TX1D2-
26	GND	25	GND
28	TX2D3+	27	TX1D3+
30	TX2D3-	29	TX1D3-



INV1: LCD Inverter Connector

Connector type: 2.00m pitch 1x5 box wafer connector.

Pin	Description
1	+12V
2	GND
3	Backlight on/off
4	Brightness control
5	GND



SYSF1: Fan Power Connector

SYSF1 is a 3-pin header for the CPU fan. The fan must be a +12V fan.

Pin	Description
1	GND
2	+12V
3	FAN_CTL



I2C1: I2C Connector

Connector type: 2.54m pitch 1x3 pin header.

Pin	Description
1	I2C_Clock
2	I2C_DATA
3	GND



SIR1: Infrared Connector

Connector type: 2.54mm pitch 1x5 pin header.

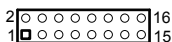
Pin	Description
1	+5V
2	N/C
3	IRRX
4	GND
5	IRTX



JFRT1: Switches and Indicators

It provides connectors for system indicators that provides light indication of the computer activities and switches to change the computer status.

Connector type: 2.54m pitch 2x8 pin header.



Pin	Description	Pin	Description
1	Power LED+	2	PWRBTN-
3	GND	4	PWRBTN+
5	GND	6	RESET+
7	HDD LED+	8	RESET-
9	HDD LED-	10	SPEAKER+
11	SMB_CLK	12	SPEAKER+
13	SMB_DATA	14	SPEAKER-
15	GND	16	SPEAKER-

TV1: TV OUT Connector

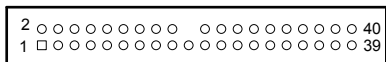
Connector type: 2.00m pitch 1x6 box wafer connector.

Pin	Description
1	TV_COMP
2	GND
3	TV_Y
4	GND
5	TV_C
6	GND



IDE1/ IDE2: 40-pin IDE Connector

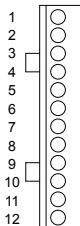
Connector type: 2.54mm pitch 2x20 box header.



Pin	Description	Pin	Description
1	IDE RESET	2	GND
3	DATA7	4	DATA8
5	DATA6	6	DATA9
7	DATA5	8	DATA10
9	DATA4	10	DATA11
11	DATA3	12	DATA12
13	DATA2	14	DATA13
15	DATA1	16	DATA14
17	DATA0	18	DATA15
19	GND	20	N/C (Key)
21	REQ	22	GND
23	IO WRITE	24	GND
25	IO READ	26	GND
27	IO READY	28	IDESEL
29	DACK	30	GND
31	IRQ14	32	N/C
33	ADDR1	34	ATA66 DETECT
35	ADDR0	36	ADDR2
37	CS0#	38	CS1# (HD SELECT1#)
39	IDEACTP	40	GND

ATP1: AT Power Connector

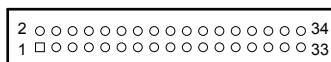
Pin	Description
1	Power good
2	+5V
3	+12V
4	-12V
5	GND
6	GND
7	GND
8	GND
9	-5V
10	+5V
11	+5V
12	+5V



FDD1/ LPTFDD1: FDD Connector

Floppy connector, LPTFDD1 shared with LPT1.

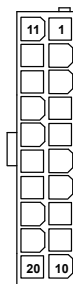
Connector type: 2.54mm pitch 2x17 box header.



Pin	Description	Pin	Description
1	GND	2	DRVDENO
3	GND	4	N/C
5	GND	6	DRVDEN1
7	GND	8	INDEX#
9	GND	10	MOA#
11	GND	12	DSB#
13	GND	14	DSA#
15	GND	16	MOB#
17	GND	18	DIR#
19	GND	20	STEP#
21	GND	22	WDATA#
23	GND	24	WGATE#
25	GND	26	TRACK0#
27	GND	28	WP#
29	GND	30	RDATA#
31	GND	32	HEAD#
33	GND	34	DSKCHG#

ATXP1: ATX Power

Pin Desc.	Pin	Desc.
11 +3.3V	1	+3.3V
12 -12V	2	+3.3V
13 GND	3	GND
14 PS-ON	4	+5V
15 GND	5	GND
16 GND	6	+5V
17 GND	7	GND
18 -5V	8	PW-OK
19 +5V	9	+5VSB
20 +5V	10	+12V



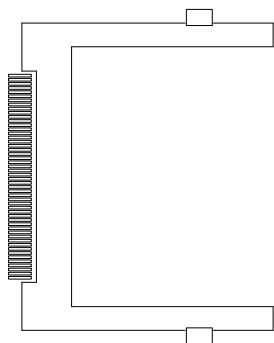
PCI1, PCI2, PCI3, PCI4: 32 bits PCI Slot

Pin	Description	Pin	Description
B1	-12V	A1	TRST
B2	TCK	A2	+12V
B3	GND	A3	TMS
B4	TDO	A4	TDI
B5	+5V	A5	+5V
B6	+5V	A6	INTA#
B7	INTB#	A7	INTC#
B8	INTD#	A8	+5V
B9	PRSTN1	A9	RSVD
B10	RSVD	A10	+5V
B11	PRSTN2	A11	RSVD
B12	GND	A12	GND
B13	GND	A13	GND
B14	RSVD	A14	3.3V_AUX
B15	GND	A15	RST#
B16	CLK	A16	+5V
B17	GND	A17	GNT#
B18	REQ#	A18	GND
B19	+5V	A19	PME#
B20	AD31	A20	AD30
B21	AD29	A21	+3.3V
B22	GND	A22	AD28
B23	AD27	A23	AD26
B24	AD25	A24	GND
B25	+3.3V	A25	AD24
B26	C/BE3#	A26	IDSEL
B27	AD23	A27	+3.3V
B28	GND	A28	AD22
B29	AD21	A29	AD20
B30	AD19	A30	GND
B31	+3.3V	A31	AD18
B32	AD17	A32	AD46
B33	C/BE2#	A33	+3.3V
B34	GND	A34	FRAME#
B35	IRDY#	A35	GND
B36	+3.3V	A36	TRDY#
B37	DEVSEL#	A37	GND
B38	GND	A38	STOP#
B39	LOCK#	A39	+3.3V
B40	PERR#	A40	SDONE
B41	+3.3V	A41	SBO#
B42	SERR#	A42	GND
B43	+3.3V	A43	PAR
B44	C/BE1#	A44	AD15
B45	AD14	A45	+3.3V
B46	GND	A46	AD13
B47	AD12	A47	AD11
B48	AD10	A48	GND
B49	GND	A49	AD9
B52	AD6	A52	C/BE0#
B53	AD7	A53	+3.3V
B54	+3.3V	A54	AD6
B55	AD5	A55	AD4
B56	AD3	A56	GND
B57	GND	A57	AD2
B58	AD1	A58	AD0
B59	+5V	A59	+5V
B60	ACK64#	A60	REQ64#
B61	+5V	A61	+5V
B62	+5V	A62	+5V

ISA1, ISA2, ISA3: ISA Slot

Pin	Description	Pin	Description
B1	GND	A1	IOCHK#
B2	RESDRV	A2	SD7
B3	+5V	A3	SD6
B4	IRQ9	A4	SD5
B5	-5V	A5	SD4
B6	DREQ2	A6	SD3
B7	-12V	A7	SD2
B8	0WS#	A8	SD1
B9	+12V	A9	SD0
B10	GND	A10	IOCHRDY
B11	SMEMW#	A11	AEN
B12	SMEMR#	A12	SA19
B13	IOW#	A13	SA18
B14	IOR#	A14	SA17
B15	DACK3#	A15	SA16
B16	DREQ3	A16	SA15
B17	DACK1#	A17	SA14
B18	DREQ1	A18	SA13
B19	REFSH#	A19	SA12
B20	SYSCLK	A20	SA11
B21	IRQ7	A21	SA10
B22	IRQ6	A22	SA9
B23	IRQ5	A23	SA8
B24	IRQ4	A24	SA7
B25	IRQ3	A25	SA6
B26	DACK2#	A26	SA5
B27	TC	A27	SA4
B28	ALE	A28	SA3
B29	+5V	A29	SA2
B30	OSC	A30	SA1
B31	GND	A31	SA0
D1	MEMCS16#	C1	BHE#
D2	IOCS16#	C2	LA23
D3	IRQ10	C3	LA22
D4	IRQ11	C4	LA21
D5	IRQ12	C5	LA20
D6	IRQ15	C6	LA19
D7	IRQ14	C7	LA18
D8	DACK0#	C8	LA17
D9	DREQ0	C9	MEMR#
D10	DACK5#	C10	MEMW#
D11	DREQ5	C11	SD8
D12	DACK6#	C12	SD9
D13	DREQ6	C13	SD10
D14	DACK7#	C14	SD11
D15	DREQ7	C15	SD12
D16	+5V	C16	SD13
D17	MASTER#	C17	SD14
D18	GND	C18	SD15

CFD1: Compact Flash II Socket

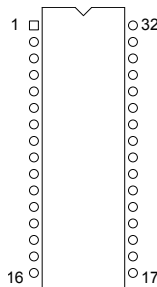


Pin	Description	Pin	Description
1	PDD3	26	GND
2	PDD4	27	PDD11
3	PDD5	28	PDD12
4	PDD6	29	PDD13
5	PDD7	30	PDD14
6	PDCS1#	31	PDD15
7	GND	32	PDCS3#
8	GND	33	GND
9	GND	34	PDIOR#
10	GND	35	PDIOW#
11	GND	36	+5V
12	GND	37	PIDEIRQ
13	+5V	38	+5V
14	GND	39	CSEL#
15	GND	40	N/C
16	GND	41	IDERST#
17	GND	42	PIORDY
18	PDA2	43	PDDREQ
19	PDA1	44	PDDACK#
20	PDA0	45	HD_LED1#
21	PDD0	46	PDIAG#
22	PD1	47	PDD8
23	PD2	48	PDD9
24	N/C	49	PDD10
25	GND	50	GND

DOC1: Disk On Chip Socket

Socket type: 2.54mm pitch 32-pin DIP 15.24mm socket.

Pin	Desc.	Pin	Desc.
1	VP	32	+5V
2	A16	31	WE#
3	A15	30	+5V
4	A12	29	A14
5	A7	28	A13
6	A6	27	A8
7	A5	26	A9
8	A4	25	A11
9	A3	24	OE#
10	A2	23	A10
11	A1	22	CE#
12	A0	21	D7
13	D0	20	D6
14	D1	19	D5
15	D2	18	D4
16	GND	17	D3



DIO1: Digital I/O Connector

DIO1 supports 8-bit In/ 8-bit Out.
 Connector type: 2.00mm pitch 2x10 pin header
 Output Port I/O Based Address: 208h
 Input Port I/O Based Address: 200h

Pin	Description	Pin	Description
1	DO0	2	DO1
3	DO2	4	DO3
5	DO4	6	DO5
7	DO6	8	DO7
9	GND	10	GND
11	DI0	12	DI1
13	DI2	14	DI3
15	DI4	16	DI5
17	DI6	18	DI7
19	+5V	20	+12V



ETX1 Connector

A1	GND	GND10	A2
A3	PCICLK3	PCICLK4	A4
A5	GND	GND11	A6
A7	PCICLK1	PCICLK2	A8
A9	REQ#3	GNT#3	A10
A11	GNT#2	+3.3V	A12
A13	REQ#2	GNT#1	A14
A15	REQ#1	+3.3V	A16
A17	GNT#0	N.C	A18
A19	+5V	+5V	A20
A21	SERIRQ	REQ#0	A22
A23	AD0	+3.3V	A24
A25	AD1	AD2	A26
A27	AD4	AD3	A28
A29	AD6	AD5	A30
A31	CBE#0	AD7	A32
A33	AD8	AD9	A34
A35	GND7	GND	A36
A37	AD10	AUXAL	A38
A39	AD11	MIC	A40
A41	AD12	AUXAR	A42
A43	AD13	ASVCC	A44
A45	AD14	SNDL	A46
A47	AD15	ASGND	A48
A49	CBE#1	SNDR	A50
A51	+5V	+5V	A52
A53	PAR	SERR#	A54
A55	PERR#	N.C2	A56
A57	PME#	USB2-	A58
A59	LOCK#	DEVSEL#	A60
A61	TRDY#	USB3-	A62
A63	IRDY#	STOP#	A64
A65	FRAME#	USB2+	A66
A67	GND	GND	A68
A69	AD16	CBE#2	A70
A71	AD17	USB3+	A72
A73	AD19	AD18	A74
A75	AD20	USB0-	A76
A77	AD22	AD21	A78
A79	AD23	USB1-	A80
A81	AD24	CBE#3	A82
A83	+5V	+5V	A84
A85	AD25	AD26	A86
A87	AD28	USB0+	A88
A89	AD27	AD29	A90
A91	AD30	USB1+	A92
A93	PCIRST#	AD31	A94
A95	INTR#C	INTR#D	A96
A97	INTR#A	INTR#B	A98
A99	GND	GND	A100

ETX2 Connector

B1	GND	GND	B2
B3	SD14	SD15	B4
B5	SD13	MASTER#	B6
B7	SD12	DREQ7	B8
B9	SD11	DACK#7	B10
B11	SD10	DREQ6	B12
B13	SD9	DACK#6	B14
B15	SD8	DREQ5	B16
B17	MEMW#	DACK#5	B18
B19	MEMR#	DREQ0	B20
B21	LA17	DACK#5	B22
B23	LA18	IRQ14	B24
B25	LA19	IRQ15	B26
B27	LA20	IRQ12	B28
B29	LA21	IRQ11	B30
B31	LA22	IRQ10	B32
B33	LA23	IO16#	B34
B35	GND	GND	B36
B37	SBMR#	M16#	B38
B39	SA0	OSC	B40
B41	SA1	BALE	B42
B43	SA2	TC	B44
B45	SA3	DACK#2	B46
B47	SA4	IRQ3	B48
B49	SA5	IRQ4	B50
B51	+5V	+5V	B52
B53	SA6	IRQ5	B54
B55	SA7	IRQ6	B56
B57	SA8	IRQ7	B58
B59	SA9	SYSCLK	B60
B61	SA10	REFCH#	B62
B63	SA11	DREQ1	B64
B65	SA12	DACK#1	B66
B67	GND	GND	B68
B69	SA13	DREQ3	B70
B71	SA14	DACK#3	B72
B73	SA15	IOR#	B74
B75	SA16	IOW#	B76
B77	SA18	SA17	B78
B79	SA19	SMEMR#	B80
B81	IOCHRDY	AEN	B82
B83	+5V	+5V	B84
B85	SD0	SMEMW#	B86
B87	SD2	SD1	B88
B89	SD3	NOWS#	B90
B91	DREQ2	SD4	B92
B93	SD5	IRQ9	B94
B95	SD9	SD7	B96
B97	IOCHK#	RSTDRV	B98
B99	GND	GND	B100

ETX3 Connector

C1	GND	GND	C2
C3	R	B	C4
C5	HSY	G	C6
C7	VSY	DDCK	C8
C9	DETECT#	DDDA	C10
C11	LCD16/B4	LCD18/SHFCLK	C12
C13	LCD17/B5	LCD19/EN	C14
C15	GND	GND	C16
C17	LCD13/B1	LCD15/B3	C18
C19	LCD12/B0	LCD14/B2	C20
C21	GND	GND	C22
C23	LCD8/G2	LCD11/G5	C24
C25	LCD9/G3	LCD10/G4	C26
C27	GND	GND	C28
C29	LCD4/R4	LCD7/G1	C30
C31	LCD5/R5	LCD6/G0	C32
C33	GND	GND	C34
C35	LCD1/R1	LCD3/R3	C36
C37	LCD0/R0	LCD2/R2	C38
C39	+5V	+5V	C40
C41	JILL_DAT	LTGIO0/VSYN	C42
C43	JILL_CLK	BLON#	C44
C45	BIASON/HSYN	DIGON	C46
C47	COMP	Y	C48
C49	SYNC	C	C50
C51	LPT/FLPY#	N.C	C52
C53	+5V	GND	C54
C55	STB#/I.C	AFD#/DENSEL	C56
C57	N.C	PD7/N.C	C58
C59	IRRX	ERR#/HSEL#	C60
C61	IRTX	PD6/N.C	C62
C63	RXD2	INIT#/DIR#	C64
C65	GND	GND	C66
C67	RTS#2	PD5/N.C	C68
C69	DTR#2	SLIN#/STEP#	C70
C71	DCD#2	PD4/DSKCHG#	C72
C73	DSR#2	PD3/RDATA#	C74
C75	CTS#2	PD2/WP#	C76
C77	TXD#2	PD1/TRK0#	C78
C79	Ri#2	PD0/INDEX#	C80
C81	+5V	+5V	C82
C83	RXD1	ACK#/DRV	C84
C85	RTS#1	BUSY#/MOT	C86
C87	DTR#1	PE/WDATA#	C88
C89	DCD#1	SLCT#/WGATE#	C90
C91	DSR#1	MSCLK	C92
C93	CTS#1	MSDAT	C94
C95	TXD#1	KBCLK	C96
C97	Ri#1	KBDAT	C98
C99	GND	GND	C100

ETX4 Connector

D1	GND	GND	D2
D3	5V_SB	PWGIN	D4
D5	PS_ON	SPEAKER	D6
D7	PWERBTN#	BATT	D8
D9	KBINH	LILED	D10
D11	RSMRST#	ACTLED	D12
D13	ROMKBCS#	SPEEDLED	D14
D15	EXT_PRG	I2CLK	D16
D17	+5V	+5V	D18
D19	OVC#	GPCS#	D20
D21	EXTSM#	I2DAT	D22
D23	SMBCLK	SMBDAT	D24
D25	SIDE_CS3#	SMBALRT#	D26
D27	SIDE_CS1#	DASP_S	D28
D29	SIDE_A2	PIDE_CS3#	D30
D31	SIDE_A0	PIDE_CS1#	D32
D33	GND	GND	D34
D35	PDIAG_S	PIDE_A2	D36
D37	SIDE_A1	PIDE_A0	D38
D39	SIDE_INTRQ	PIDE_A1	D40
D41	BATLOW#	GPE1#	D42
D43	SIDE_ACK#	PIDE_INTRQ	D44
D45	SIDE_RDY	PIDE_ACK#	D46
D47	SIDE_IOR#	PIDE_RDY	D48
D49	+5V	+5V	D50
D51	SIDE_IOW#	PIDE_IOR#	D52
D53	SIDE_DRQ	PIDE_IOW#	D54
D55	SIDE_D15	PIDE_DRQ	D56
D57	SIDE_D0	PIDE_D15	D58
D59	SIDE_D14	PIDE_D0	D60
D61	SIDE_D1	PIDE_D14	D62
D63	SIDE_13	PIDE_D1	D64
D65	GND	GND	D66
D67	SIDE_D2	PIDE_D13	D68
D69	SIDE_D12	PIDE_D2	D70
D71	SIDE_D3	PIDE_D12	D72
D73	SIDE_D11	PIDE_D3	D74
D75	SIDE_D4	PIDE_D11	D76
D77	SIDE_D10	PIDE_D4	D78
D79	SIDE_D5	PIDE_D10	D80
D81	+5V	+5V	D82
D83	SIDE_D9	PIDE_D5	D84
D85	SIDE_D6	PIDE_D9	D86
D87	SIDE_D8	PIDE_D6	D88
D89	GPE2#	CLBLID_P#	D90
D91	RXD-	PIDE_D8	D92
D93	RXD+	SIDE_D7	D94
D95	TXD-	PIDE_D7	D96
D97	TXD+	HDRST#	D98
D99	GND	GND	D100