



Estilo systems IT-6000/6002/6300

Quick Installation Guide

Notice:

The Quick Installation Guide is derived from Chapter 2 of user manual. For other chapters and further installation instructions, please refer to the user manual CD-ROM that came with the product.



2.1 Safety Precautions

Warning!



Always completely disconnect the power cord from your board whenever you are working on it. Do not make connections while the power is on, because a sudden rush of power can damage sensitive electronic components.

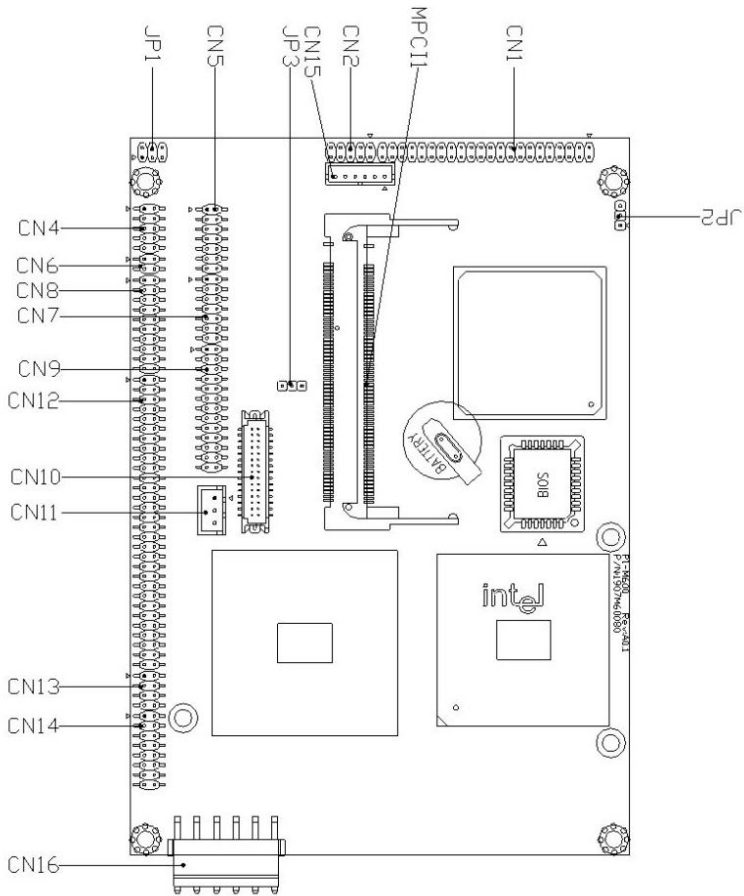
Caution!



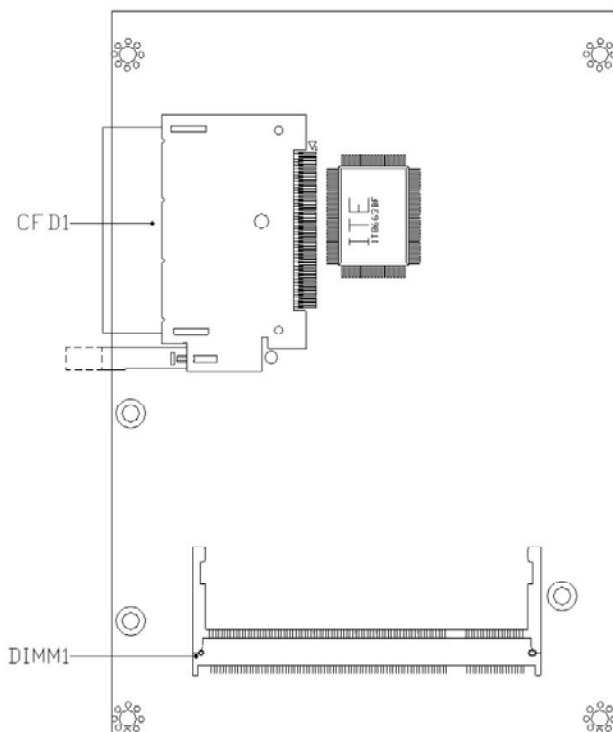
Always ground yourself to remove any static charge before touching the board. Modern electronic devices are very sensitive to static electric charges. Use a grounding wrist strap at all times. Place all electronic components on a static-dissipative surface or in a static-shielded bag when they are not in the chassis

2.2 Location of Connectors and Jumpers

Component Side

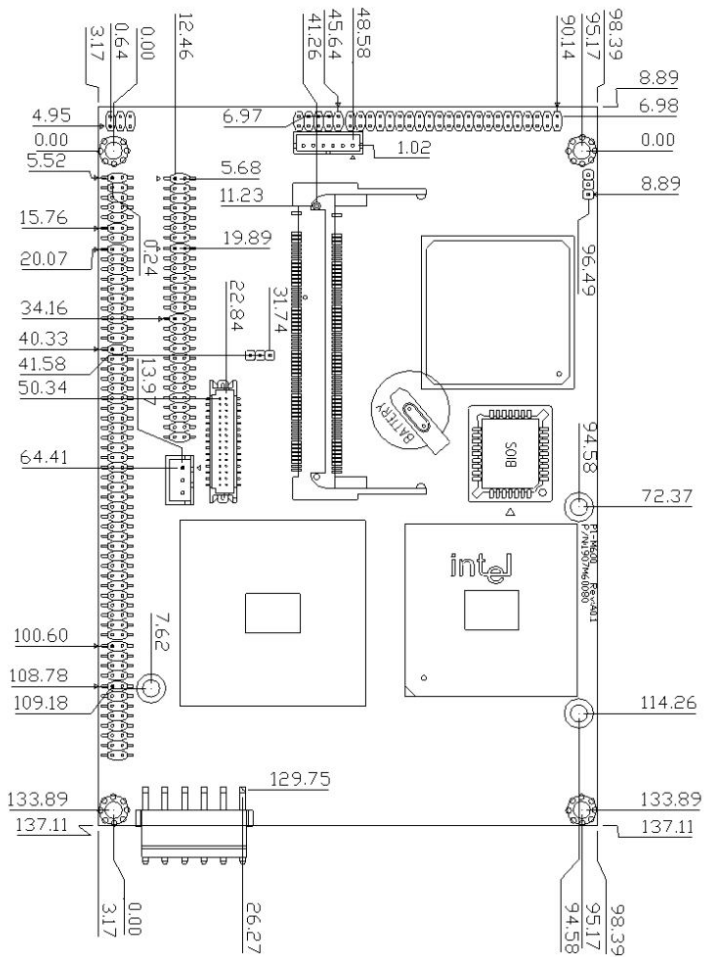


Solder side

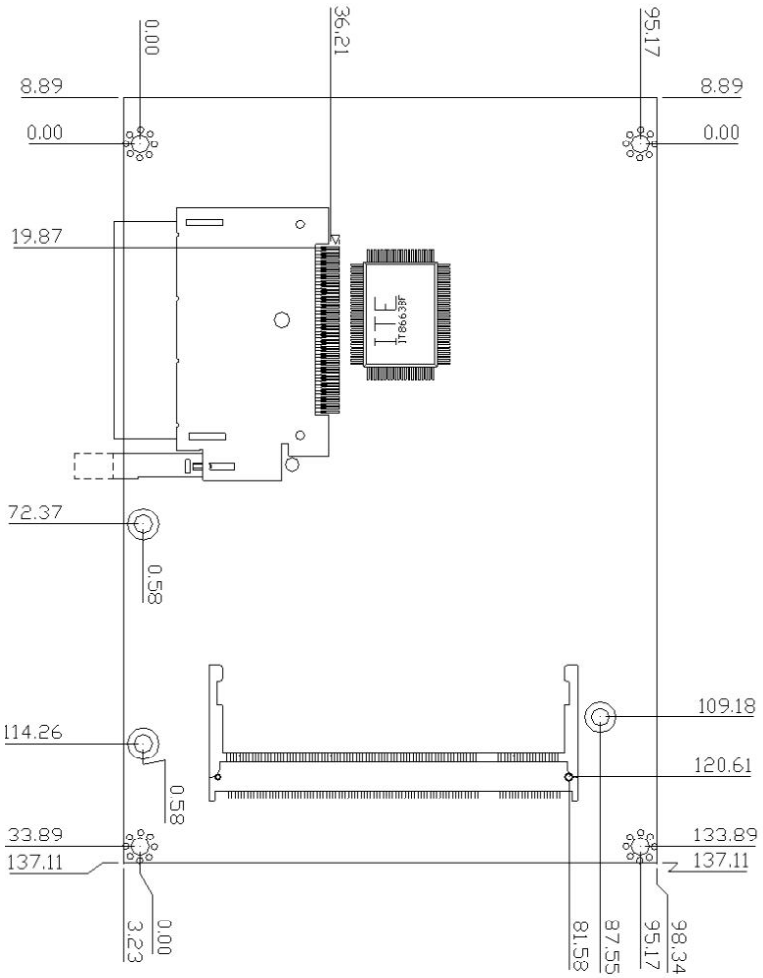


2.3 Mechanical Drawing

Component Side



Solder Side



2.4 List of Jumpers

The board has a number of jumpers that allow you to configure your system to suit your application.

The table below shows the function of each of the board's jumpers:

Jumpers

Label	Function
JP1	COM2 RI/ +5V/ +12V Selection
JP2	Clear CMOS
JP3	LCD Voltage Selection

2.5 List of Connectors

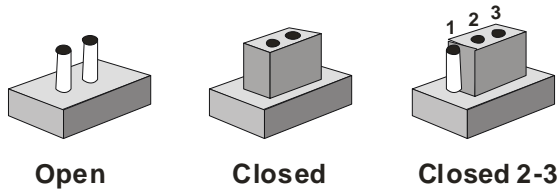
The board has a number of connectors that allow you to configure your system to suit your application. The table below shows the function of each board's connectors:

Label	Function
CN1	Primary IDE Hard Drive Connector
CN2	Front Panel
CN4	Ethernet 10/100 Base-TX Connector
CN5	Audio Input/Output Connector
CN6	Ethernet LED
CN7	5.1 Audio and SPDIF Connector
CN8	USB 2.0 Connector
CN9	Parallel Port Connector
CN10	Dual Channel LVDS Connector
CN11	Fan Connector
CN12	Serial Port Connector
CN13	Mini-DIN PS/2 Connector
CN14	CRT Display Connector
CN15	External 5VSB/PWRGD Connector
CN16	Power-IN Connector
MPCI1	Mini PCI Slot
CFD1	Compact Flash Disk Slot

2.6 Setting Jumpers

You configure your card to match the needs of your application by setting jumpers. A jumper is the simplest kind of electric switch. It consists of two metal pins and a small metal clip (often protected by a plastic cover) that slides over the pins to connect them. To “close” a jumper you connect the pins with the clip.

To “open” a jumper you remove the clip. Sometimes a jumper will have three pins, labeled 1, 2 and 3. In this case you would connect either pins 1 and 2 or 2 and 3.



A pair of needle-nose pliers may be helpful when working with jumpers.

If you have any doubts about the best hardware configuration for your application, contact your local distributor or sales representative before you make any change.

Generally, you simply need a standard cable to make most connections.

2.7 COM RI/ +5V/ +12V Selection (JP1)

Pin	Signal
1-2	+12V
3-4	+5V
5-6	RI (default)

2.8 Clear CMOS (JP2)

Pin	Signal
1-2	Normal (default)
2-3	Clear CMOS

2.9 LCD Voltage Selection (JP3)

Pin	Signal
1-2	+5V (default)
2-3	+3.3V

2.10 Primary IDE Hard Drive Connector (CN1)

Pin	Signal	Pin	Signal
1	PRI IDERST#	2	Ground
3	PDD7	4	PDD8
5	PDD6	6	PDD9
7	PDD5	8	PDD10
9	PDD4	10	PDD11
11	PDD3	12	PDD12
13	PDD2	14	PDD13

15	PDD1	16	PDD14
17	PDD0	18	PDD15
19	Ground	20	N.C.
21	PDREQ	22	Ground
23	PDIOW#	24	Ground
25	PDIOR#	26	Ground
27	PIORDY	28	Ground
29	PDDACK#	30	Ground
31	IRQ14	32	N.C.
33	PDA1	34	P66DET
35	PDA0	36	PDA2
37	PDCS#1	38	PDCS#3
39	IDEACTP#	40	Ground
41	+5Volt.	42	+5V
43	Ground	44	N.C.

2.11 Front Panel (CN2)

Pin	Signal
1-2	ATX Power-on Button
3-4	HDD Active LED
5-6	External Speaker
7-8	Power LED
9-10	System Reset Button

2.12 Ethernet 10/100Base-TX Connector (CN4)

Pin	Signal	Pin	Signal
1	RX-	2	RX+
3	Ground	4	Ground
5	Ground	6	Ground
7	Ground	8	Ground
9	TX+	10	TX-

2.13 Audio Input/ Output Connector (CN5)

Pin	Signal	Pin	Signal
1	MIC IN	2	MIC Vcc
3	Audio Ground	4	CD_GND
5	LINE_IN L	6	CD_L
7	LINE_IN R	8	CD_GND
9	Audio Ground	10	CD_R
11	LINE_OUT L	12	LINE_OUT R
13	Audio Ground	14	Audio Ground

2.14 Ethernet LED (CN6)

Pin	Signal	Pin	Signal
1	+3.3V	2	Active LED
3	Speed LED	4	Ground

2.15 5.1 Audio & SPDIF Connector (CN7)

Pin	Signal	Pin	Signal
1	LINE_OUT R	2	Audio Ground
3	LINE_OUT L	4	Audio Ground
5	SURROUND_OUT_R	6	Audio Ground
7	SURROUND_OUT_L	8	Audio Ground
9	LEF_OUT	10	Audio Ground
11	CENTER_OUT	12	Audio Ground
13	SPDIF_OUT	14	SPDIF_IN

2.16 USB2.0 Connector (CN8)

Pin	Signal	Pin	Signal
1	USBVDD0-1	2	USBGND
3	USBD0-	4	USBGND
5	USBD0+	6	USBD1+
7	USBGND	8	USBD1-
9	USBGND	10	USBVDD0-1
11	USBVDD2-3	12	USBGND
13	USBD2-	14	USBGND
15	USBD2+	16	USBD3+
17	USBGND	18	USBD3-
19	USBGND	20	USBVDD2-3

2.17 Parallel Port Connector (CN9)

Pin	Signal	Pin	Signal
1	STBX	2	AFD#
3	PTD0	4	ERR#
5	PTD1	6	PINIT#
7	PTD2	8	SLIN#
9	PTD3	10	Ground
11	PTD4	12	Ground
13	PTD5	14	Ground
15	PTD6	16	Ground
17	PTD7	18	Ground
19	ACK#	20	Ground
21	BUSY	22	Ground
23	PE	24	Ground
25	SLCT	26	N.C.

2.18 Dual Channel LVDS Connector (CN10)

Pin	Signal	Pin	Signal
1	Back-Light Enable	2	Back-Light Control
3	LCD Volt.	4	Ground
5	TXLCLK#	6	TXLCLK
7	LCD Volt.	8	Ground
9	TXL0#	10	TXL0
11	TXL1#	12	TXL1
13	TXL2#	14	TXL2
15	TXL3#	16	TXL3

17	LVDS_DATA	18	LVDS_CLK
19	TXU0#	20	TXU0
21	TXU1#	22	TXU1
23	TXU2#	24	TXU2
25	TXU3#	26	TXU3
27	LCD Volt.	28	Ground
29	TXUCLK#	30	TXUCLK

2.19 FAN Connector (CN11)

Pin	Signal
1	FAN Sense
2	+5V
3	Ground

2.20 Serial Port Connector (CN12)

COM/ RS-232 mode

Pin	Signal	Pin	Signal
1	DCDA	2	RXA
3	TXA	4	DTRA
5	Ground	6	DSRA
7	RTSA	8	CTSA
9	RIA	10	N.C.
11	DCDB	12	RXB
13	TXB	14	DTRB
15	Ground	16	DSRB

17	RTSB	18	CTSB
19	RIB	20	N/C
21	DCDC	22	RXC
23	TXC	24	DTRC
25	Ground	26	DSRC
27	RTSC	28	CTSC
29	RIC	30	N.C.
31	DCDD	32	RXD
33	TXD	34	DTRD
35	Ground	36	DSRD
37	RTSD	38	CTSD
39	RID	40	N.C.
41	DCDE	42	RXE
43	TXE	44	DTRE
45	Ground	46	DSRE
47	RTSE	48	CTSE
49	RIE	50	N.C.
51	DCDF	52	RXF
53	TXF	54	DTRF
55	Ground	56	DSRF
57	RTSF	58	CTS F
59	RIF	60	N.C.

COM2/ RS-422

Pin	Signal	Pin	Signal
1	TXD-	2	RXD+
3	TXD+	4	RXD-
5	N.C.	6	N.C.

7	N.C.	8	N.C.
9	Ground	10	N.C.

COM2/ RS-485

Pin	Signal	Pin	Signal
1	TXD-	2	N.C.
3	TXD+	4	N.C.
5	N.C.	6	N.C.
7	N.C.	8	N.C.
9	Ground	10	N.C.

2.21 Mini-DIN PS/2 Connector (CN13)

Pin	Signal	Pin	Signal
1	Keyboard Data	2	Keyboard Clock
3	Ground	4	+5V Shield
5	Mouse Data	6	Mouse Clock
7	N.C.	8	N.C.

2.22 CRT Display Connector (CN14)

Pin	Signal	Pin	Signal
1	CRT RED	2	5V
3	CRT_GREEN	4	VGA Ground
5	CRT_BLUE	6	N.C.
7	N.C.	8	CRT_SDA
9	VGA Ground	10	CRT_HSYNC
11	VGA Ground	12	CRT_VSYNC

13	VGA Ground	14	CRT_SCL
15	VGA Ground	16	VGA Ground

2.23 External 5VSB/ PWRGD Connector (CN15)

Pin	Signal
1	N.C.
2	Ground
3	N.C.
4	Ground
5	PS_ON
6	+5V Standby

2.24 Power-in Connector (CN16)

Pin	Signal
1	+5V
2	+5V
3	Ground
4	Ground
5	Ground
6	+12V

2.25 Mini PCI Slot (MPC11)

Standard Specification.

2.26 CompactFlash Disk Slot (CFD1)

Pin	Signal	Pin	Signal
1	Ground	26	Ground
2	SDD3	27	SDD11
3	SDD4	28	SDD12
4	SDD5	29	SDD13
5	SDD6	30	SDD14
6	SDD7	31	SDD15
7	SDCS#1	32	SDCS#3
8	Ground	33	Ground
9	Ground	34	SDIOR#
10	Ground	35	SDIOW#
11	Ground	36	+5V
12	Ground	37	IRQ15
13	+5V	38	+5V
14	Ground	39	CSEL#
15	Ground	40	N.C.
16	Ground	41	IDERST#
17	Ground	42	SIORDY
18	SDA2	43	N/C
19	SDA1	44	+5V
20	SDA0	45	DASP#
21	SDD0	46	PDIAG#
22	SDD1	47	SDD8
23	SDD2	48	SDD9
24	N.C.	49	SDD10
25	Ground	50	Ground
