

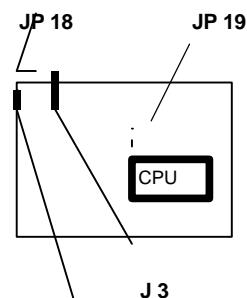
Chapter 2

Connector Configuration

This section lists all connector pin assignment and port description on the mainboard. The situations of the connectors and ports are illustrated in the following figures. Before inserting these connectors, please pay attention to the directions.

Power Connector (J3)

PIN NUMBER	FUNCTION
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



Standby Power Connector (JP 18)

PIN NUMBER	FUNCTION
1	5VSB
2	INST-ON
3	GND

Note:

If Standby Power supply is used, close JP19 (2-3). If not, close JP19 (1-2).

Power Switch (JP 20)

If Standby Power supply is used, the Power Switch support the function as follows:

Connector Configuration

1. If you want to power up your system, you should turn on the mechanical switch of Standby Power supply first, then push once the button connected to Power Switch connector.
2. If you want to power off your system, you needn't to turn off the mechanical switch of Standby Power supply, just push connected to Power Switch connector for four seconds.

Keyboard Connector (JP 3)

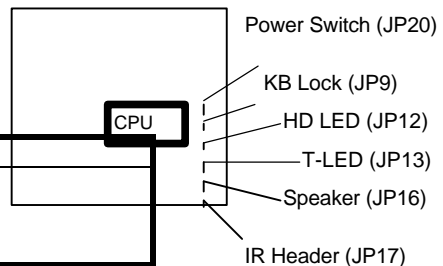
PIN NUMBER	FUNCTION
1	CLOCK
2	DATA
3	NC
4	GND
5	+5V

Hard Disk LED Connector (HD LED)

PIN NUMBER	FUNCTION
1	VCC
2	IDE ACT
3	IDE ACT
4	VCC

Keylock Connector (JP9)

PIN NUMBER	FUNCTION
1	+5V
2	NC
3	GND



4	KEYLOCK
5	GND

Speaker Connector (JP 16)

PIN NUMBER	FUNCTION
1	SPKDATA
2	NC
3	GND
4	VCC

IrDA Connector (JP17)

SETTING	FUNCTION
1	VCC
2	IRTX
3	GND
4	IRRX
5	NC
6	VCC

Turbo LED Connector (JP 13)

PIN NUMBER	FUNCTION
1	GND
2	VCC

USB1/USB2 Connector (USB1/USB2)

PIN NUMBER	FUNCTION
1	VCC
2	Key
3	DATA-
4	DATA+
5	GND

Connector Configuration

FAN Connector (JP7)

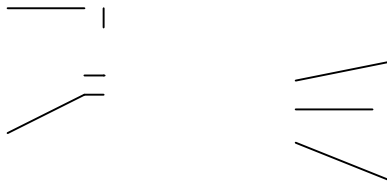
PIN NUMBER	FUNCTION
1	GND
2	+12V
3	GND

Hardware Green (JP8)

SETTING	FUNCTION
CLOSE	HARDWARE GREEN (close once)
OPEN	NORMAL

Reset Switch (RESET)

SETTING	FUNCTION
CLOSE ONCE	RESET THE SYSTEM
OPEN	NORMAL



PS2 Mouse (JP1)

PS2 Mouse (JP1)

PIN NUMBER	FUNCTION
1	DATA
2	CLOCK
3	GND
4	NC
5	+5V

FAN POWER (JP 7)

HD SMI (JP8)

RESET (JP10)

I/O Port Description

CONNECTOR	FUNCTION
IDE1	Primary IDE Port
IDE2	Secondary IDE Port
FLOPPY	Floppy Drive Port
PRINTER	Parallel Port
CN2	COM1/COM2/COM3/COM4
CN3	COM2/COM3/COM4/COM1

Clear CMOS

	CLEAR CMOS	NORMAL
JP6	1-2 (close once)	2-3

Memory Configuration

The P5I430TX-250 Titanium I mainboard provides 4 SIMM slots and 2 DIMM slots for providing a flexible memory size from 8MB up to 256MB main memory. Please do not plug two different brand of SIMM on a bank simultaneously.

If using DIMM together with SIMM, you must install the DIMM and SIMM as following table.

DIMM1	DIMM2	SIMM1&2	SIMM3&4
None	Don't care	Single row or double row SIMM	Don't care
Single row DIMM	Don't care	Single row SIMM	Don't care
Double row DIMM	Don't care	None	Don't care

If using DIMM or SIMM only, you can install the DIMM and SIMM as following table.

Total Memory	SIMM1&2	SIMM3&4	DIMM1	DIMM2
8MB	4MB x 2	----	----	----
	----	----	8MB	----

Connector Configuration

16MB	8MB x 2	----	----	----
	4MB x 2	4MB x 2	----	----
	----	----	16MB	----
	----	----	8MB	8MB
24MB	8MB x 2	4MB x 2	----	----
32MB	8MB x 2	8MB x 2	----	----
	16MB x 2	----	----	----
	----	----	16MB	16MB
	----	----	32MB	----
48MB	16MB x 2	8MB x 2	----	----
	----	----	32MB	16MB
64MB	16MB x 2	16MB x 2	----	----
	32MB x 2	----	----	----
	----	----	32MB	32MB
72MB	32MB x 2	4MB x 2	----	----
80MB	32MB x 2	8MB x 2	----	----
96MB	32MB x 2	16MB x 2	----	----
128MB	32MB x 2	32MB x 2	----	----
256MB	64MB x 2	64MB x 2	----	----

Illustration of Connector on board

Remark

DRAM and SDRAM modules can be installed in a variety of configurations. Since all possible combinations of installation are too many here; It is not necessary to list them all.

