

3 Jumpers and Connectors

Setting the Jumpers

The table below summarizes the function and jumper settings of each jumper on the P6FX1-A. You can refer to the next section for the graphic descriptions.

Function		Jumper Settings	
CPU Type	Intel Pentium Pro 150MHz (60 MHz Host Clock) (default)	J13	open 1-2 short 3-4 short 5-6 open 7-8 open 9-10 short 11-12 short 13-14 short 15-16
	Intel Pentium Pro 166MHz (66 MHz Host Clock)	J13	short 1-2 open 3-4 open 5-6 short 7-8 open 9-10 short 11-12 short 13-14 short 15-16
	Intel Pentium Pro 180MHz (60 MHz Host Clock)	J13	open 1-2 short 3-4 short 5-6 open 7-8 short 9-10 open 11-12 short 13-14 short 15-16
	Intel Pentium Pro 200MHz (66 MHz Host Clock)	J13	short 1-2 open 3-4 open 5-6 short 7-8 short 9-10 open 11-12 short 13-14 short 15-16

Continued.....

Function		Jumper Settings
Flash BIOS Power Selection	5V Flash BIOS	JP4 short 1-2
	12V Flash BIOS	JP4 short 2-3

Table 3 -1. Jumper Settings

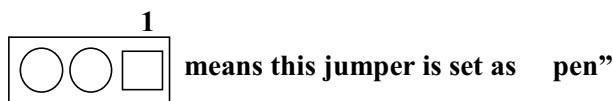


The table below is a break down functional table of table 3-1 which presents the detailed Jumper Settings for different CPU Clock. For example, if Pentium Pro 166MHz CPU is installed, you should set Host Clock as 66 MHz and CPU Core Clock as Host Clock *2.5.

PCI CLK is always set as CPU Clock * 0.5.

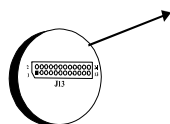
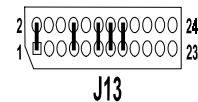
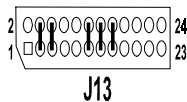
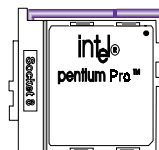
Host Clock		60 MHz	J13 open 1-2 short 3-4 short 5-6 open 7-8 (default)
		66.6 MHz	J13 short 1-2 open 3-4 open 5-6 short 7-8
CPU Core Clock	Intel	Host Clock * 2	J13 short 9-10 short 11-12 short 13-14 short 15-16
		Host Clock * 2.5	J13 open 9-10 short 11-12 short 13-14 short 15-16 (default)
		Host Clock * 3	J13 short 9-10 open 11-12 short 13-14 short 15-16
		Host Clock * 3.5	J13 open 9-10 open 11-12 short 13-14 short 15-16
		Host Clock * 4	J13 short 9-10 short 11-12 open 13-14 short 15-16

Graphic Descriptions of Jumper Settings



CPU Type

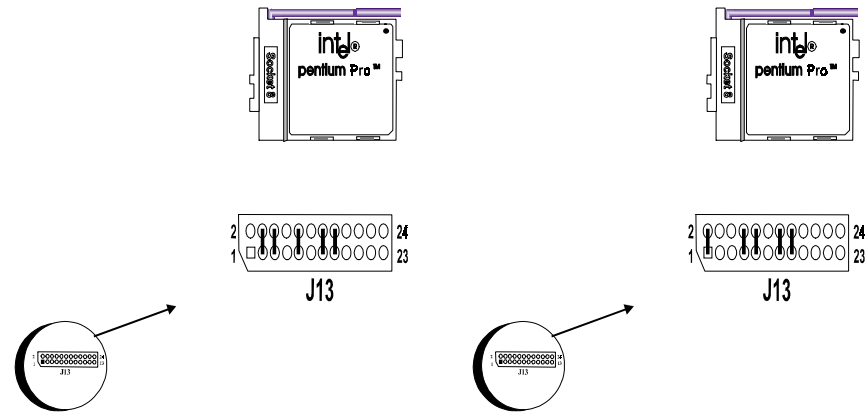
1. Intel Pentium Pro 150MHz
CPU (60MHz Host Clock)
installed on board



3. Intel Pentium Pro 180MHz
CPU (60MHz Host Clock)
installed on board

2. Intel Pentium Pro 166MHz
CPU (66MHz Host Clock)
installed on board

P6FX1-A



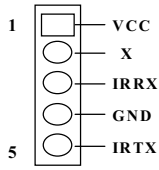
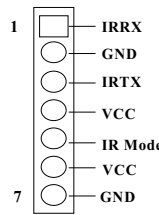
4. Intel Pentium Pro 200MHz
CPU (66MHz Host Clock)
installed on board

CPU Voltage Selection

- ☐ The voltage of Pentium Pro processor (with VID function) on P6FX1-A is automatically detected and supplied by on-board voltage regulator module.
- ☐ Pentium Pro CPU which does not support CPU Voltage auto-sense function (VID disabled) is not recommended for P6FX1-A.

Connectors

There are several connectors located on the P6FX1-A. Users can refer to the following diagram for the clear figure of connectors. The function is listed below.

Connector	Function
J1	PS/2 Keyboard Connector
J2	PS/2 Mouse Connector
J3	COM 2 Port (COM 4)
J4	Printer Connector
J5	COM 1 Port (COM 3)
J6	Reserved
J7	USB Header Set
J8	FDD Connector
J9	IDE Secondary Connector
J10	Header for Intel IR Module
	
J11	IDE Primary Connector
J12	Header for HP & TEMIC IR Module
	
J13	CPU CLK Frequency & Ratio

Continued.....

Connector	Function																																								
JP1	Fan Power (cut off when suspend) <div><div><div>1</div><div>3</div></div><div><div><div></div><div></div><div></div></div><div><div>GND</div><div>12V</div><div>GND</div></div></div></div>																																								
JP3	RTC Clear (short to clear CMOS data at system off)																																								
JP4	for Flash ROM use (5V or 12V select , factory default)																																								
JP6/JP7	Reserved																																								
JP8	HDD LED Header <div><div><div>1</div><div>2</div></div><div><div><div></div><div></div></div><div><div>+</div><div>-</div></div></div></div>																																								
U38	<div><div><div>Keyboard Lock</div><div>Speaker</div></div><div><table><tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr><tr><td>+</td><td>X</td><td>-</td><td>I</td><td>G</td><td>X</td><td>P</td><td>G</td><td>G</td><td>O</td></tr><tr><td>X</td><td></td><td>-</td><td>I</td><td>G</td><td>I</td><td>G</td><td>X</td><td>I</td><td>G</td></tr><tr><td>1</td><td>2</td><td>5</td><td>4</td><td>3</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr></table><div>Reset Switch</div></div></div>	11	12	13	14	15	16	17	18	19	20	+	X	-	I	G	X	P	G	G	O	X		-	I	G	I	G	X	I	G	1	2	5	4	3	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20																																
+	X	-	I	G	X	P	G	G	O																																
X		-	I	G	I	G	X	I	G																																
1	2	5	4	3	6	7	8	9	10																																
	<div><div>X: No Function</div><div>I: Input</div><div>O: Output</div><div>G: GND</div><div>P: Power</div></div>																																								
JP100	Power Switch for ATX power supply (one shut switch)																																								

Table 3 -2. Connectors

Board Layout

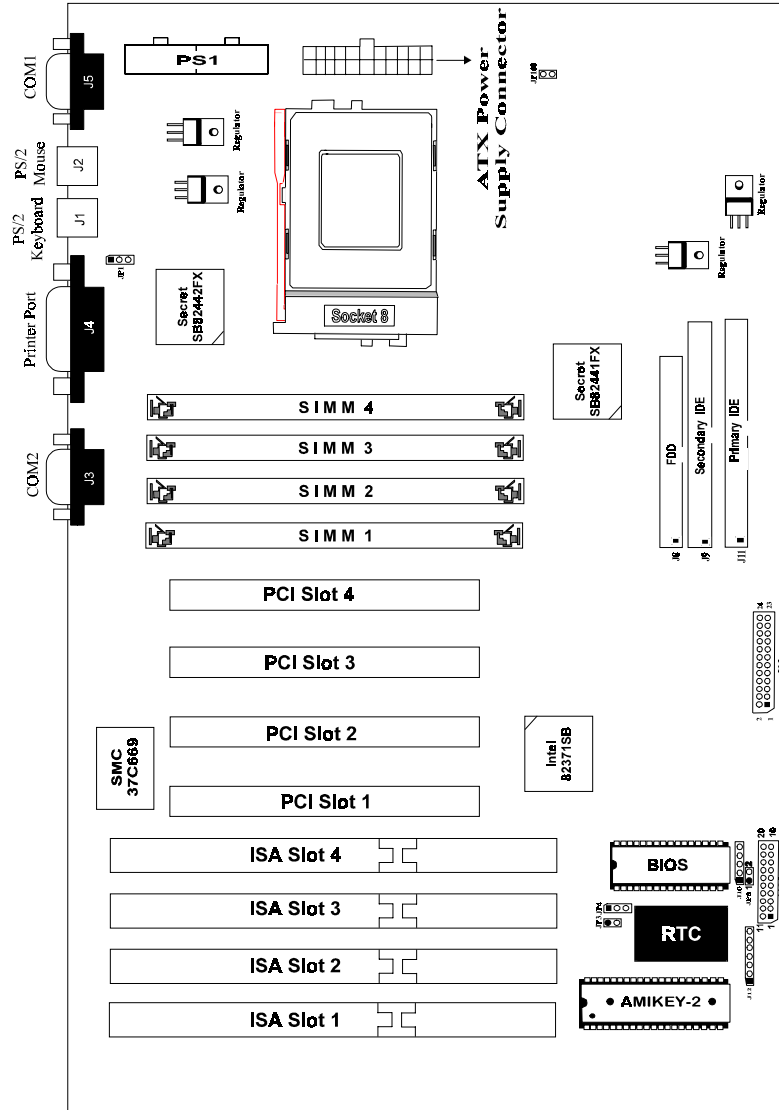


Figure 3 -1. P6FX1-A Mainboard Layout

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