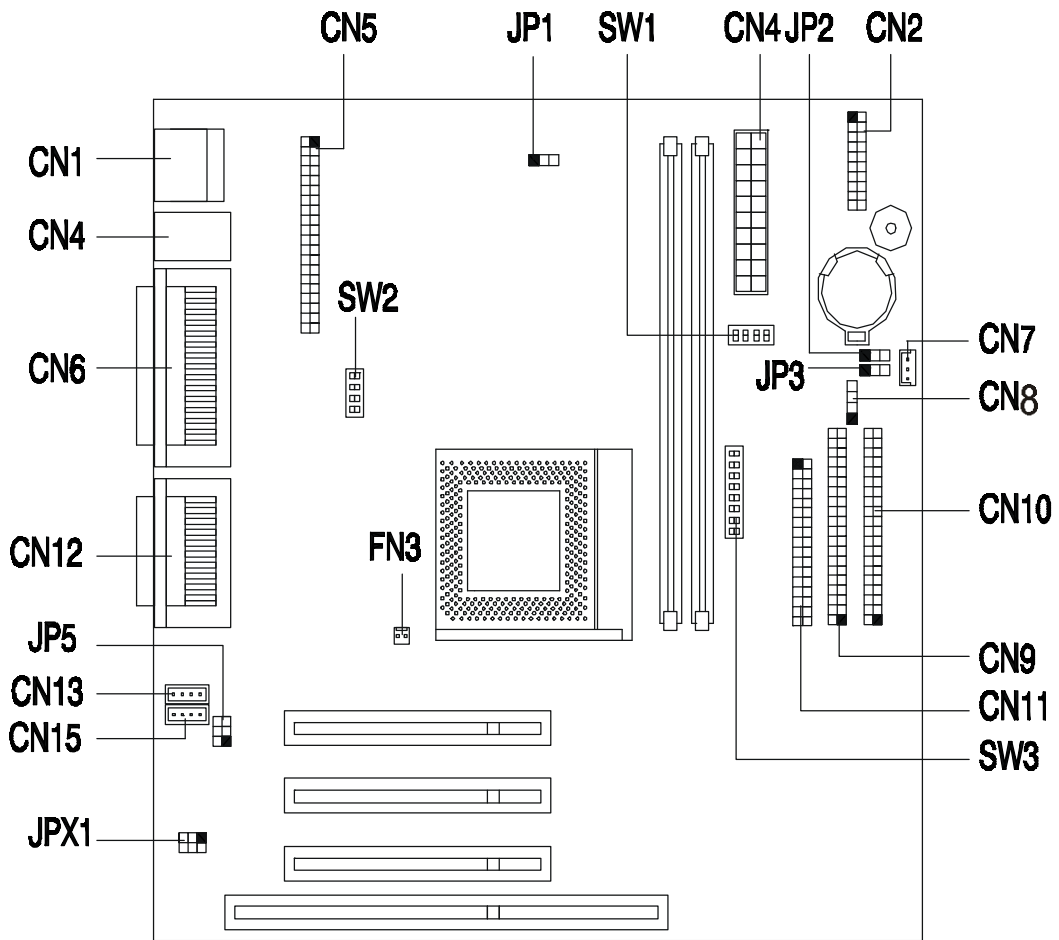


Machine Type 2158 System Board Jumpers and Connectors



The blackened pin of a jumper represents pin 1.

2158 System Board Jumper Settings

Jumper/Settings	Function
JP1 1-2* 2-3	VGA interrupt Disabled Enabled
JP2 1-2 2-3*	Wake-on LAN signal trigger level Active low Active high
JP3 1-2 2-3*	Diskette drive LED Enabled Disabled
JP5, JPX1 1-3 & 2-4 3-5 & 4-6*	Line-out signal type Audio line-out Amplified audio line-out

2158 System Board Jumper Settings (Continued)

Jumper/Settings	Function																																			
SW1(switch 1)	Reserved																																			
SW1(switch 2, 3, 4)	Bus frequency(MHz) <table border="1"> <thead> <tr> <th></th> <th><u>Host</u></th> <th><u>AGP</u></th> <th><u>PCI</u></th> </tr> </thead> <tbody> <tr> <td>Off, On, On</td> <td>66</td> <td>66</td> <td>33</td> </tr> <tr> <td>On, On, Off</td> <td>75</td> <td>60</td> <td>30</td> </tr> <tr> <td>On, Off, Off</td> <td>95</td> <td>66</td> <td>33</td> </tr> <tr> <td>Off, Off, Off*</td> <td>100</td> <td>66</td> <td>33</td> </tr> </tbody> </table>		<u>Host</u>	<u>AGP</u>	<u>PCI</u>	Off, On, On	66	66	33	On, On, Off	75	60	30	On, Off, Off	95	66	33	Off, Off, Off*	100	66	33															
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SW2(switch 1)	Reserved																																			
SW2(switch 3, 4)	Bus frequency(MHz) <table border="1"> <thead> <tr> <th></th> <th><u>Host</u></th> </tr> </thead> <tbody> <tr> <td>Off, Off</td> <td>66</td> </tr> <tr> <td>On, Off</td> <td>75</td> </tr> <tr> <td>Off, On</td> <td>95</td> </tr> <tr> <td>On, On*</td> <td>100</td> </tr> </tbody> </table>		<u>Host</u>	Off, Off	66	On, Off	75	Off, On	95	On, On*	100																									
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SW2(switch 2)	Password function <table border="1"> <tbody> <tr> <td>On*</td> <td>Check*</td> </tr> <tr> <td>Off</td> <td>Bypass</td> </tr> </tbody> </table>	On*	Check*	Off	Bypass																															
On*	Check*																																			
Off	Bypass																																			
SW3(switch 1, 2, 3)	Bus Clock Ratio <table border="1"> <thead> <tr> <th></th> <th><u>P55C6X68/M1</u></th> <th><u>M2</u></th> <th><u>P54C/K5</u></th> <th><u>K6</u></th> </tr> </thead> <tbody> <tr> <td>Off, Off, Off</td> <td>3.5</td> <td>3.0</td> <td>3.5</td> <td>1.5</td> <td>3.5</td> </tr> <tr> <td>On, Off, On</td> <td>2.0</td> <td>2.0</td> <td>2.0</td> <td>2.0</td> <td>4.0</td> </tr> <tr> <td>Off, On, Off</td> <td>3.0</td> <td>--</td> <td>3.0</td> <td>3.0</td> <td>3.0</td> </tr> <tr> <td>On, On, Off</td> <td>2.5</td> <td>--</td> <td>2.5</td> <td>2.5</td> <td>2.5</td> </tr> <tr> <td>On, On, On</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td>4.5</td> </tr> </tbody> </table>		<u>P55C6X68/M1</u>	<u>M2</u>	<u>P54C/K5</u>	<u>K6</u>	Off, Off, Off	3.5	3.0	3.5	1.5	3.5	On, Off, On	2.0	2.0	2.0	2.0	4.0	Off, On, Off	3.0	--	3.0	3.0	3.0	On, On, Off	2.5	--	2.5	2.5	2.5	On, On, On	--	--	--	--	4.5
	<u>P55C6X68/M1</u>	<u>M2</u>	<u>P54C/K5</u>	<u>K6</u>																																
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On, On, Off	2.5	--	2.5	2.5	2.5																															
On, On, On	--	--	--	--	4.5																															
SW3(switch 4, 5, 6, 7, 8)	CPU Core Voltage <table border="1"> <tbody> <tr> <td>Off, On, On, Off, On</td> <td>3.3V</td> </tr> <tr> <td>Off, On, On, Off, Off</td> <td>3.2V</td> </tr> <tr> <td>Off, On, Off, Off, On</td> <td>2.9V</td> </tr> <tr> <td>Off, On, Off, Off, Off</td> <td>2.8V</td> </tr> <tr> <td>Off, Off, Off, On, On</td> <td>2.3V</td> </tr> <tr> <td>Off, Off, Off, On, Off</td> <td>2.2V*</td> </tr> </tbody> </table>	Off, On, On, Off, On	3.3V	Off, On, On, Off, Off	3.2V	Off, On, Off, Off, On	2.9V	Off, On, Off, Off, Off	2.8V	Off, Off, Off, On, On	2.3V	Off, Off, Off, On, Off	2.2V*																							
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Off, Off, Off, On, Off	2.2V*																																			

*. Default Setting

Machine Type 2158 Processor Type Jumper Settings

NOTE: You must verify the exact processor type before setting the processor type jumpers. The wrong processor type jumper setting may damage the CPU. The system only supports dual-voltage CPU

CPU	SW1			SW2		SW3							
	2	3	4	3	4	1	2	3	4	5	6	7	8
K6-2 333MHz (Host=95MHz)	N	F	F	F	N	F	F	F	F	F	F	N	F
K6-2 350MHz (Host=100MHz)	F	F	F	N	N	F	F	F	F	F	F	N	F
K6-2XT 350MHz (Host=100MHz)	F	F	F	N	N	F	F	F	F	F	F	N	F
K6-2XT 380MHz (Host=95MHz)	N	F	F	F	N	N	F	N	F	F	F	N	F
K6-2XT 400MHz (Host=100MHz)	F	F	F	N	N	N	F	N	F	F	F	N	F
K6-2XT 450MHz (Host=100MHz)	F	F	F	N	N	N	N	N	F	F	F	N	F

N= On, F=Off

2158 System Board Connector Functions

Connector	Function	Connect to...
CN1	Universal Serial Bus (USB) connector	USB device
CN2	Power LED (pins 1-3) HDD LED (pins 4-7) Reset button (pins 8-9) Power button (pins 10, 20) IrDA connector (pins 14-19) Turbo LED (pins 11-13)	Power LED Hard disk LED Reset button Power button Reserved Reserved
CN3	Power connector	Power supply
CN4	Upper: PS/2 mouse port Lower: PS/2 keyboard port	PS/2 pointing device PS/2 keyboard
CN5	ATI multimedia connector	Special video adapter card (i.e. video image capture card)
CN6	Upper: Printer port Lower-left: VGA port Lower-right: Serial port	Printer or parallel device Monitor Serial device
CN7	Wake-on LAN connector	LAN adapter card
CN8	Modem ring-in connector	Modem adapter card
CN9	Secondary IDE channel	IDE drive
CN10	Primary IDE channel	IDE drive
CN11	Diskette drive connector	Diskette drive
CN12	Upper: Game port (15-pin female) Lower: (R-to-L) Microphone-in port Stereo line-in port Stereo line-out port	Joystick Microphone audio input device Speaker
CN13	Modem voice line-in connector	Modem card
CN15	CD/DVD audio input connector	CD/DVD-ROM drive
FN3	Fan connector	Processor fan

DIMM Configurations

The 2158 system board has two DIMM sockets. A maximum of 256KB memory may be installed. The 2163 system board has three DIMM sockets. A maximum of 384KB memory may be installed.

You can install 16MB, 32MB, 64MB, or 128MB PC-100 DIMM in any sockets and with any combinations.