



Jumpers and Connectors

This chapter gives the definitions and shows where to locate the positions of jumpers and connectors.

Jumpers

Jumper on the CPU board are used to select options for certain features. To select any option, cover the jumper cap over (short) or remove it from (open) the jumper pins according to the follows instructions.

jumper positions

Switch Setting Table (*: default setup)

CPU Base Clock	66MHz	*100MHz
SW2 : 1	ON	OFF
2	ON	OFF

RTC Clear	Enabled	*Disabled
SW2: 3	ON	OFF

Pipeline	*Enabled	Disabled
SW2: 4	OFF	ON

Host SMI from	*APIC	PHX
SW3: 1	ON	OFF
2	OFF	ON

BIOS Program	Programmable	*Not Programmable
SW4: 4	ON	OFF

ROM-SIZE	*1 M	2 M

SW3: 3	ON	OFF
4	OFF	ON

Core/Bus Ratio	2X	2.5X	3X	*3.5X	4X	4.5X	5X
SW1 : 1	ON	ON	ON	ON	OFF	OFF	OFF
2	ON	ON	OFF	OFF	ON	ON	OFF
3	ON	OFF	ON	OFF	ON	OFF	ON
4	ON	ON	ON	ON	ON	ON	ON

Disk On Chip. Active Address	*Disabled	C000	C800	D000	D800
SW4: 1	OFF	ON	ON	ON	ON
2	Don't care	ON	ON	OFF	OFF
3	Don't care	ON	OFF	ON	OFF

Connectors

Connectors on the CPU Board provide interfaces to other devices.

Connector	Function	Remark
J3/J5	CPU Fan Power Connector	
JP1, JP2	Temperature Sensor Pin	
J1/J2	CPU Slot	
J6	Speaker	
JP3	LED	
J7,J13	IDE Connector	
J15	Parallel Connector	
J14	Floppy Connector	
J16	USB Connector	
J19	COM 1	
J20	Keyboard Connector	
JP5	Keyboard Connector	
J17	COM 2	
J18	Mouse	

JP6	Keylock	
J12	Reset	

Pin definitions of connectors

J3/J5: CPU Fan Power Connector

PIN No.	Description
1	GND
2	+12V
3	Sense

J6 Speaker

PIN No.	Description
1	Speaker Signal
2	GND
3	GND
4	+5V

JP3: IDE LED Connector

PIN No.	Description
1	+5V
2	HDD Active #

JP6: Keylock

PIN No.	Description
1	+5V
2	N/C
3	Ground
4	Keylock
5	Ground

J12: Reset

PIN No.	Description
1	Reset
2	Ground

J7 /J13: IDE Interface Connector

PIN No.	Description	PIN No.	Description
1	Reset#	2	Ground
3	Data 7	4	Data 8
5	Data 6	6	Data 9
7	Data 5	8	Data 10
9	Data 4	10	Data 11
11	Data 3	12	Data 12
13	Data 2	14	Data 13
15	Data 1	16	Data 14
17	Data 0	18	Data 15
19	Ground	20	N/C
21	DMA REQ	22	Ground
23	IOW#	24	Ground
25	IOR#	26	Ground
27	IOCHRDY	28	N/C
29	DMA ACK	30	Ground
31	Interrupt	32	IOCS16#
33	SA1	34	N/C
35	SA0	36	SA2
37	HDC CS0#	38	HDC CS1#
39	HDD Active#	40	Ground

J15: Parallel Port Connector

PIN No.	Description	PIN No.	Description
1	Strobe#	2	Data 0
3	Data 1	4	Data 2
5	Data 3	6	Data 4
7	Data 5	8	Data 6
9	Data 7	10	Acknowledge
11	Busy	12	Paper Empty
13	Printer Select	14	Auto Form Feed#
15	Error#	16	Initialize
17	Printer Select IN#	18	Ground
19	Ground	20	Ground
21	Ground	22	Ground
23	Ground	24	Ground
25	Ground	26	GND

J14: FDC Connector

PIN No.	Description	PIN No.	Description
1	Ground	2	Density Select
3	Ground	4	N/C
5	Ground	6	N/C
7	Ground	8	Index#
9	Ground	10	Motor Enable A#
11	Ground	12	Drive Select B#
13	Ground	14	Drive Select A#
15	Ground	16	Motor Enable B#
17	Ground	18	Direction#
19	Ground	20	Step#
21	Ground	22	Write Data#
23	Ground	24	Write Gate#
25	Ground	26	Track 0#
27	Ground	28	Write Protect#
29	N/C	30	Read Data#
31	Ground	32	Head Side Select#
33	N/C	34	Disk Change#

J16: USB connector

PIN No.	Description
1	VCC
2	SBD0-
3	SBD0+
4	SBD1-
5	SBD1+
6	Ground

JP5: Keyboard Connector

PIN No.	Description
1	Keyboard Clock
2	Keyboard Data
3	N/C
4	Ground
5	+5V

J17/J19: Serial Port Connector (D-Sub 9 -pin)

PIN No.	Description
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1	Data Carrier Detect (DCD)
2	Receive Data (RXD)
3	Transmit Data (TXD)
4	Data Terminal Ready (DTR)
5	Ground (GND)
6	Data Set Ready (DSR)
7	Request to Send (RTS)
8	Clear to Send (CTS)
9	Ring Indicator (RI)

J18: Mouse connector

PIN No.	Description
1	Mouse Data
2	N/C
3	Ground
4	+5V
5	Mouse Clock
6	N/C

J20: Keyboard Connector PS/2 (Mini DIN)

PIN No.	Description
1	Keyboard data
2	NC
3	GND
4	+5V
5	Keyboard clock
6	NC