

JUMPER	INTERNAL KEYBOARD CONTROLLER WITH PS/2 MOUSE	INTERNAL KEYBOARD CONTROLLER WITHOUT PS/2 MOUSE	EXTERNAL KEYBOARD CONTROLLER
J17	2-3	2-3	1-2*
RN1	empty	empty	inserted*
RN2	inserted	empty	empty
RN3	empty	inserted	empty

* factory default

Table 2-9. Internal/External Keyboard Selection

Connectors

The connectors allow the mainboard to connect electronically with other parts of the system. Some connectors have two pins, others have four or five pins. Some malfunction problems encountered with your system may be caused by loose or improper connections. Ensure that all connections are in place and firmly attached.

CONNECTOR	PIN-OUTS	SIGNAL NAME
CN1 PS/2 Mouse Connector (Jumper Type)	1	Mouse data
	2	NC
	3	Ground
	4	+5V
	5	Mouse clock
CN2 PS/2 Keyboard Connector	1	Keyboard data
	2,6	NC
	3	Ground
	4	+5V
	5	Keyboard clock
CN3 Keyboard Connector	1	Keyboard clock
	2	NC
	3	Ground
	4	+5V
	5	Keyboard clock
CN4 PS/2 Mouse Connector (Mini-DIN Type)	1	Mouse data
	2,6	NC
	3	Ground
	4	+5V

Table 2-10. Connector Pin Definitions (Continued)

CONNECTOR	PIN-OUTS	SIGNAL NAME	
CN5 Power Connector	1	Power good	
	2, 10, 11, 12	+5V	
	3	+12V	
	4	-12V	
	5, 6, 7, 8	Ground	
	9	-5V	
	CN6 Serial Port 2 Connector	1	Data carrier detect
		2	Receive data
		3	Transmit data
4		Data transmit ready	
5		Signal ground	
6		Ready to receive data	
7		Request to send data	
8		Clear to send	
9		Ring indicator	
CN7 Serial Port 1 Connector	1	LP strobe	
	2-9	Data bit 0 - Data bit 7	
	10	LP acknowledge	
	11	LP busy	
	12	Paper end	
	13	Select status	
	14	LP data lead	
	15	LP strobe	
	16	Initiate printer	
17	Select printer		
18-25	Ground		
CN8 Parallel Port Connector	2	Density select	
	4,6	NC	
	8	Line detection	
	10	Select motor A	
	12	Select drive A	
	14	Select motor B	
	16	Select drive B	
	18	Direction control	
	20	Step pulse	
	22	Write Data	
	24	Write enable	
	26	Write Data	
	28	Write protect	
30	Write protect		
32	Read data		
34	Head select		
1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 33	Disk change		
21, 23, 25, 27, 33	Ground		

Table 2-10. Connector Pin Definitions (Continued)