

| 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<br>Mouse Connector                      | 1<br>2<br>3<br>4<br>5 | Mouse data<br>NC<br>Ground<br>+5V<br>Mouse clock       |
| PS/2 Mouse Connector (Jumper Type)          | 1<br>2<br>3<br>4<br>5 | Keyboard data<br>NC<br>Ground<br>+5V<br>Keyboard clock |
| PS/2 Keyboard Connector                     | 1<br>2<br>3<br>4<br>5 | Keyboard data<br>NC<br>Ground<br>+5V<br>Keyboard clock |
| CN3<br>Keyboard Connector                   | 1<br>2<br>3<br>4<br>5 | Keyboard data<br>NC<br>Ground<br>+5V<br>Keyboard clock |
| CN4<br>PS/2 Mouse Connector (Mini-DIN Type) | 1<br>2<br>3<br>4<br>5 | Mouse data<br>NC<br>Ground<br>+5V<br>Mouse clock       |

Table 2-10. Connector Pin Definitions (Continued)

| CONNECTOR                      | PIN-OUTS  | SIGNAL NAME  |
|--------------------------------|---|--|
| CN5<br>Power Connector         | 1<br>2, 10, 11, 12<br>3<br>4<br>5, 6, 7, 8<br>9   | Power good<br>+5V<br>+12V<br>-12V<br>Ground<br>-5V   |
| CN6<br>Serial Port 2 Connector | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | Data carrier detect<br>Receive data<br>Transmit data<br>Data transmit ready<br>Signal ground<br>Ready to receive data<br>Request to receive data<br>Clear to send<br>Ring indicator  |
| CN7<br>Serial Port 1 Connector | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | LP1 strobe<br>Data bit 0 - Data bit 7<br>LP1 acknowledge<br>LP1 busy<br>Paper end<br>Selected status<br>LP1 same lead<br>LP1 error<br>Initiate printer<br>Select printer<br>Ground   |
| CN8<br>Parallel Port Connector | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18-25  | Density select<br>NC<br>Index detection<br>Select motor A<br>Select drive A<br>Select motor B<br>Select drive B<br>Direction control<br>Step pulse<br>Write enable<br>Write data<br>Write protect<br>Read data<br>Head select<br>Disk change<br>Ground |
| CN9<br>FDD Connector           | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33 | Density select<br>NC<br>Index detection<br>Select motor A<br>Select drive A<br>Select motor B<br>Select drive B<br>Direction control<br>Step pulse<br>Write enable<br>Write data<br>Write protect<br>Read data<br>Head select<br>Disk change<br>Ground |

Table 2-10. Connector Pin Definitions (Continued)