

## **Installation Procedures**

The motherboard has several user-adjustable jumpers/switches on the board that allow you to configure your system to suit your requirements. This chapter contains information on the various hardware settings on your motherboard.

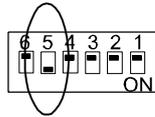
To set up your computer, you should follow these installation steps:

- **Step 1 - Set system jumpers/switches**
- **Step 2 - Install memory modules**
- **Step 3 - Install the CPU cartridge**
- **Step 4 - Install expansion cards**
- **Step 5 - Connect devices**
- **Step 6 - Set up BIOS feature**
- **Step 7 - Set up software utilities**

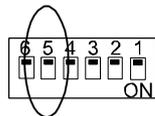
**CAUTION:** If you use an electric drill to install this motherboard on your chassis, please wear a static wrist strap. The recommended electric drill torque is from 5.0 to 8.0 kg/cm to avoid damaging the chips' pins.

**Clear CMOS: SW1-5**

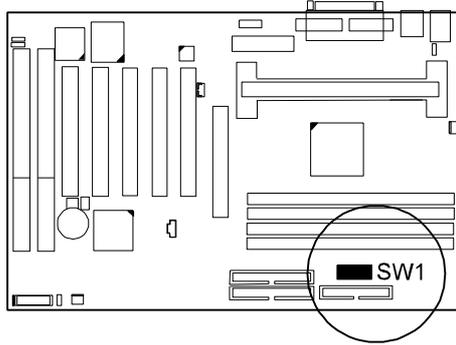
The CMOS RAM is powered by the onboard button cell battery. To clear the RTC data: (1). Turn off your computer, (2). Enable this feature by setting the SW1-5 to On position, (3). Turn on your computer, (4). Turn off the computer, (5). Disable the Clear CMOS feature, (6). Turn on the computer. (7). Hold down the Delete key when boots and enter BIOS Setup to re-enter user preferences.



Enable (Clear CMOS)

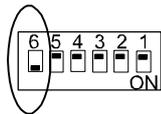


Disable (Default)

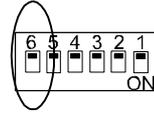


**Clear Password: SW1-6**

This switch allows you to enable or to disable the password settings. You may need to adjust switch if you forget your password. To clear the password setting: (1). Turn off your computer, (2). Enable this feature by setting the SW1-6 to On position, (3). Turn on your computer, (4). Turn off your computer, (5). Disable the Clear Password feature by setting the SW1-6 to Off position, (6). Turn on your computer, (7). Hold down the Delete key when boots and enter BIOS Setup to re-enter user preferences.



Enable (Clear Password)

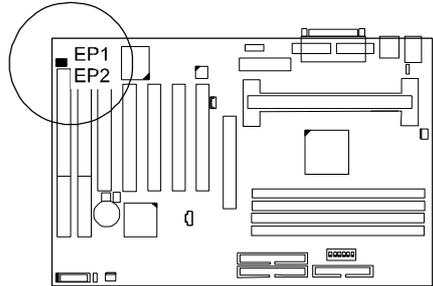


Disable (Default)

**Flash ROM Type Selection: EP1, EP2**

These two jumpers allow you to configure the type of flash ROM chip. This jumper setting is correct by manufactory default. If you want to know the flash ROM type installed on this motherboard, remove the sticker from the chip to see its type. The figure below left lists the 2MB flash ROM's jumper settings.

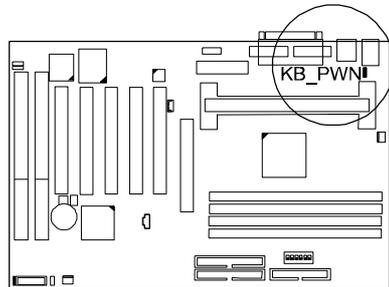
**EP1**   
**EP2**   
SST29EE020  
ATMEL AT29C020  
AMD AM29F002NT  
Winbond 29C020  
SGS-Thomson M29F002T



**Keyboard and Mouse Power-On Feature: KB\_PWN**

The 3-pin jumper provides you with the capability to power on the system by simply touching your keyboard or mouse. To enable this feature, you have to set this jumper and the related BIOS feature, **K/B Wake-up function** and **Mouse Wake-up function**, that introduced in **Integrated Peripherals** section in Chapter 2.

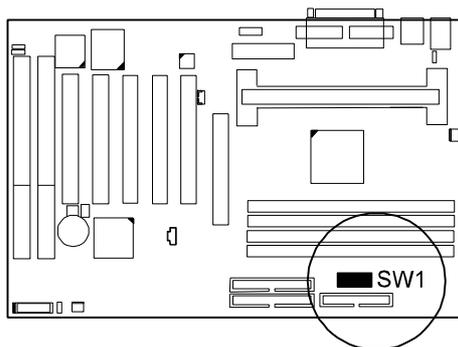
 Enable  
 Disable (Default)

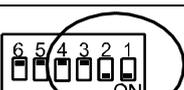


**NOTE:** To use this function and WOL connector together, your power supply should have a current of 1A at 5 V Stand-by.

***CPU Internal Frequency: SW1-1, SW1-2, SW1-3, SW1-4***

These four switches are used to decide the internal frequency of the CPU.



<i>Ratio</i>	<i>Bus Frequency = 100MHz</i>	<i>Bus Frequency = 66MHz</i>	<i>Switches Settings</i>
3.5 x	350MHz	233MHz	
4 x	400MHz	266MHz	
4.5 x	450MHz	300MHz	
5 x		333MHz	

