

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.

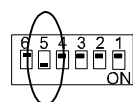
To set up your computer, you should follow these installation steps:

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

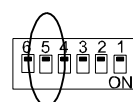
CAUTION: If you use an electric drill to install this motherboard on your chassis, please wear a static wrist strap. The recommended electric drill torque is from 5.0 to 8.0 kg/cm to avoid damaging the chips' pins.

Clear CMOS: SW1-5

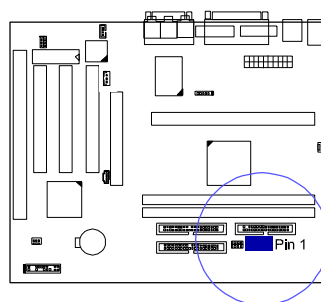
The CMOS RAM is powered by the onboard button cell battery. To clear the RTC data: (1). Turn off your computer, (2). Enable this feature by setting the SW1-5 to On position, (3). Turn on your computer, (4). Turn off the computer, (5). Disable the Clear CMOS feature, (6). Turn on the computer. (7). Hold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



Enable (Clear CMOS)

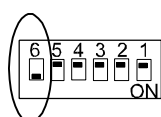


Disabled (Default)

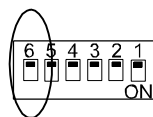


Clear Password: SW1-6

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

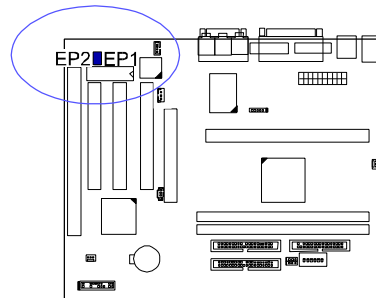
These two jumpers allow you to configure the type of flash ROM chip. This jumper setting is correct by manufactory default. If you want to know the flash ROM type installed on this motherboard, remove the sticker from the chip to see its type.

2MB:

MXIC 28F2000TPC 1
INTEL 28F020



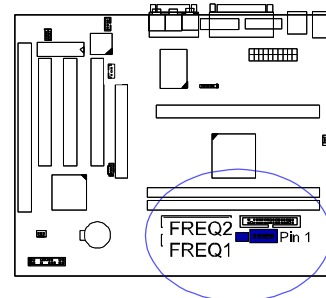
Winbond W29C020 1
SST 29EE020
ATMEL AT29C020
AMD AM29F002NT



DIMM and System Frequency Selection: FREQ1, FREQ2

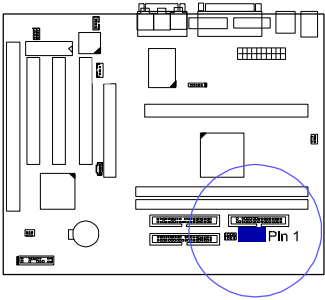
These jumpers allow users to set the frequencies of DIMMs and system.

CPU External Freq.	DIMM Freq.	PC-100 -7ns, -8ns	Non PC-100 -8ns, -10ns, -12ns, above
100MHz		1 FREQ2 FREQ1	1 FREQ2 FREQ1
66MHz		N/A	1 FREQ2 FREQ1



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	500MHz	333MHz	