1/2) ATX_12V_2X / ATX (Power Connector)
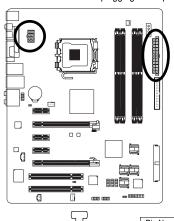
With the use of the power connector, the power supply can supply enough stable power to all the components on the motherboard. Before connecting the power connector, please make sure that all components and devices are properly installed. Align the power connector with its proper location on the motherboard and connect tightly.

The ATX 12V (2x4-pin) power connector mainly supplies power to the CPU. If the ATX 12V (2x4) power connector is not connected, the system will not start. If you wish to install a power supply that provides ATX 12V (2x2-pin) power connector, please connect the ATX 12V power connector to the Pin 3, 4, 7, 8 of the onboard ATX_12V_2X power connector according to the pin definitions.

Important Use of a power supply providing an ATX 12V (2x4-pin) power connector is recommended by processor manufacturer when using Intel® Pentium® Extreme Edition series processors (130W or greater).

Caution! Please use a power supply that is able to handle the system voltage requirements. It is recommended that a power supply that can withstand high power consumption be used (400W or greater). If a power supply is used that does not provide the required power, the result can lead to an unstable system or a system that is unable to start. If you use a power supply that provides a 24-pin ATX or 2x4 pin ATX 12V power connector, please remove the small cover on the power connector on the motherboard before plugging in the power cord ; otherwise, please do not remove it.

ATX_12V_2X

Pin No.	Definition
1	GND
2	GND
3	GND
4	GND
5	+12V
6	+12V
7	+12V
8	+12V

ATX

Pin No.	Definition	Pin No.	Definition
1	3.3V	13	3.3V
2	3.3V	14	-12V
3	GND	15	GND
4	+5V	16	PS_ON(soft On/Off)
5	GND	17	GND
6	+5V	18	GND
7	GND	19	GND
8	Power Good	20	-5V
9	5V SB(stand by +5V)	21	+5V
10	+12V	22	+5V
11	+12V(Only for 24-pin ATX)	23	+5V (Only for 24-pin ATX)
12	3.3V(Only for 24-pin ATX)	24	GND(Only for 24-pin ATX)