**CompTIA A+**

To watch the below video, you need to right click on the Hyperlink just below the highlighted task in red color and select the Open Hyperlink option. It will take you to the YouTube where you can watch the concerned video.

You are required to watch the video and answer the Questions asked below.

You need to type answers in the row indicated with “Ans.”

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| **Power supplies**  <https://drive.google.com/file/d/140sZlgHddvQNtzHXJ00ceeO7lWv4L6GY/view?usp=sharing> | |
| 1 | What are the types of power supply connector? |
| Ans. | SATA ATX ,4PIN 8 PIN s |
| 2 | How many pins SATA power connector have? |
| Ans. | The SATA power connector has 15 pins and supplies +3.3V DC, +5V DC and +12V DC. SATA power cables are often paired with a 4-pin Molex LP4 connector, which connects to a computer's power supply. |
| 3 | How much power does each pin of SATA power connector provide? |
| Ans. | you have 3 pins per rail so that's 4.5A for each voltage rail. that adds up to 54W for the 12V one and 22.5 on 5V. |
| 4 | how much power does SATA power connector provides? |
| Ans. | SATA power connectors can safely provide up to 54 Watts of power. Molex power connectors can safely provide up to 132 Watts\* of power. PCIe 6 pin power connectors can safely provide up to 75 Watts of power |
| 5 | How many pins SATA power connector have? |
| Ans. | SATA Power Connectors The SATA power connector has 15 pins and supplies +3.3V DC, +5V DC and +12V DC. SATA power cables are often paired with a 4-pin Molex LP4 connector, which connects to a computer's power supply. |
| 6 | How much power does each pin of Molex power connector provides? |
| Ans. | Pins and sockets can be arranged in any combination in a single housing, and each housing can be either male or female. There are three typical pin sizes: 1.57 mm (0.062 in), 2.13 mm (0.084 in), and 2.36 mm (0.093 in). The 1.57 mm pin can carry 5 A of current, while the 2.36 mm can carry 8.5 A. |
| 7 | How many pins does ATX connector contains? |
| Ans. | 24-pin  An ATX power supply provides a number of peripheral power connectors and (in modern systems) two connectors for the motherboard: an 8-pin (or 4+4-pin) auxiliary connector providing additional power to the CPU and a main 24-pin power supply connector, an extension of the original 20-pin version. |
| 8 | How many pins of ATX connector supply power? |
| Ans. | An ATX power supply provides a number of peripheral power connectors and (in modern systems) two connectors for the motherboard: an 8-pin (or 4+4-pin) auxiliary connector providing additional power to the CPU and a main 24-pin power supply connector, |
| 9 | How much power does each pin of ATX power connector contains? |
| Ans. | 3.3V 3.3VDC |
| 10 | Is ATX power connector a motherboard power connector |
| Ans. | hat is an advanced technology extended (ATX) style connector? An ATX style connector is a type of power supply connector used in computer systems. It provides power to various components, such as the motherboard, central processing unit (CPU), and peripherals, |
| 11 | How many pins does additional power connector contains? |
| Ans. | It has 24 pins, arranged in two rows of 12. Some older motherboards may have a 20-pin connector instead, in which case you can use an adapter or a PSU that has a 20+4-pin connector that can split into two parts. The ATX 24-pin connector is keyed, which means it can only fit in one way. |
| 12 | What are the specification of power connectors? |
| Ans. | Power connectors provide maximum voltage and maximum current ratings. |