

ASRock TRX50 WS Guidelines

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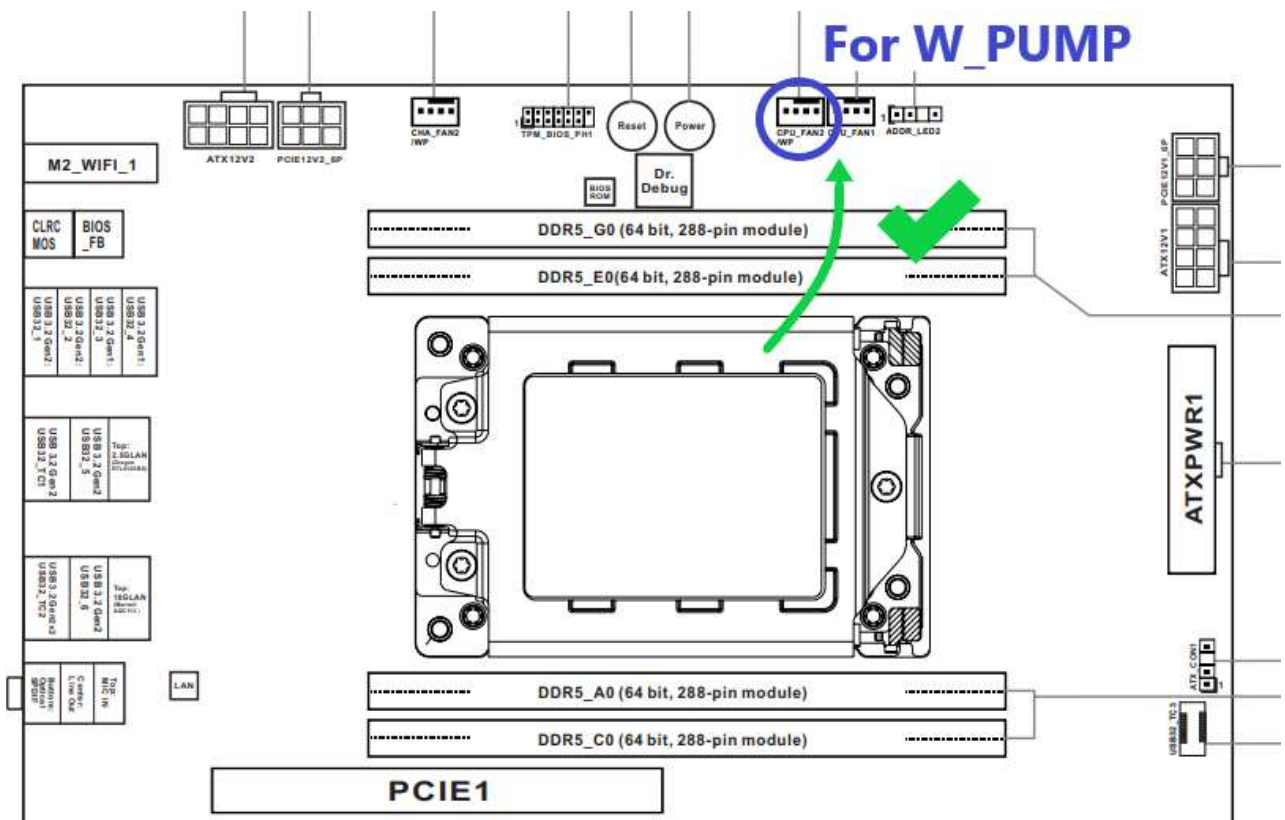
CPU Installation

CPU Installation Notes

Please visit [ASRock website](#) and refer to [user manual](#) pages 14 to 23.

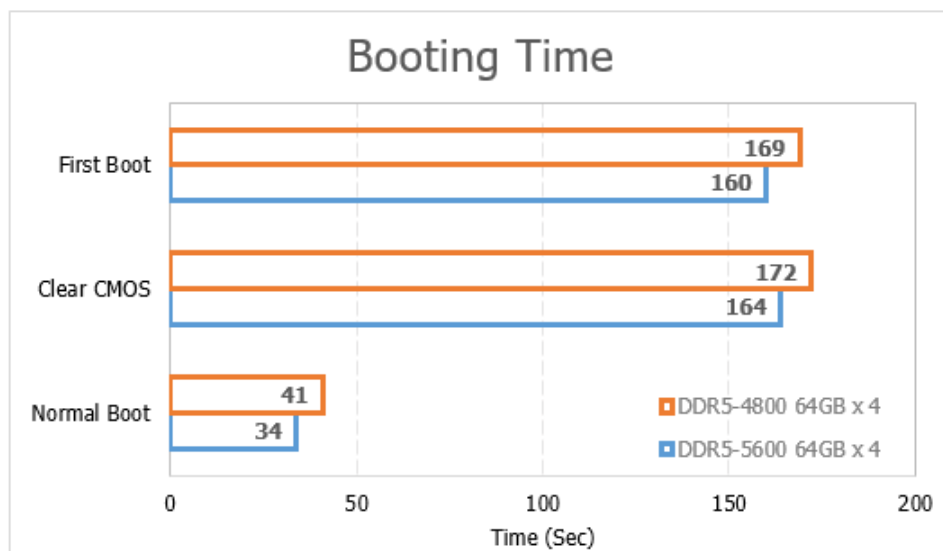
CPU Fan Connector

1. Please connect the CPU fan or radiator fan to the header "CPU_FAN1". This way, the CPU temperature will be used as reference for the CPU fan.
(If for some reason you would like to use a different header for the CPU/radiator fan, make sure to select "Monitor CPU" as "Temp Source" for that header.)
2. If an AIO water cooler is used, please connect the pump to CPU_FAN2/WP, as it is set to W_PUMP mode and full speed by default.



Memory Installation and Specification

1. TRX50 supports only DDR5 RDIMM ECC memory. It does not support UDIMM (incompatible slots).
2. Debug code "00" is shown during AMD AGESA initialization. This code can be seen for a relatively long period during the first boot, and it does not mean that the system has crashed or frozen.



**The boot time provided is for reference only. The actual boot time may vary depending on the system configuration.*

3. Please populate the memory slots as shown below.

Recommended Memory Configuration

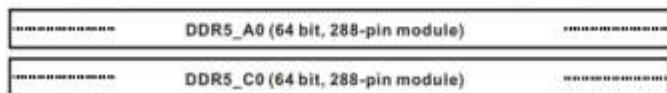
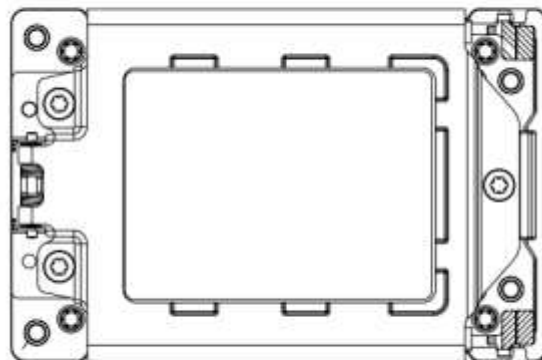
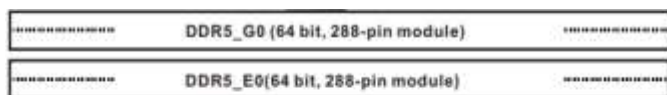
1 DIMM



2 DIMMs

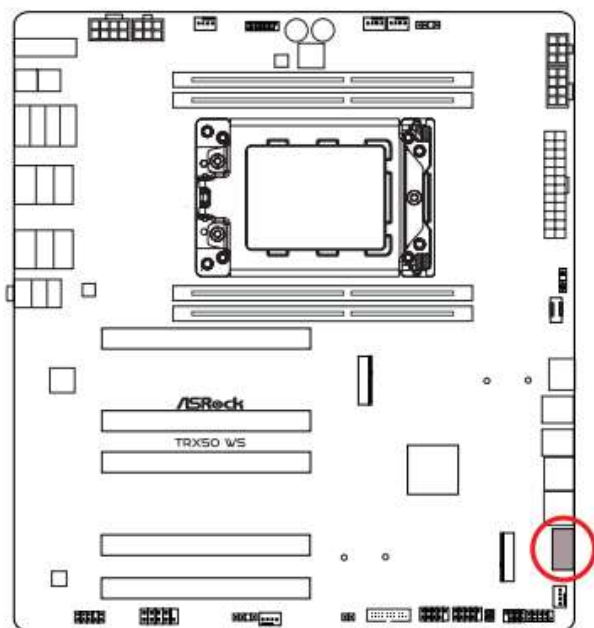


4 DIMMs

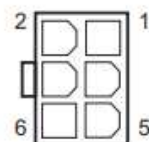


PCIe Power Connector

6-pin (Required)



GFX_12V1

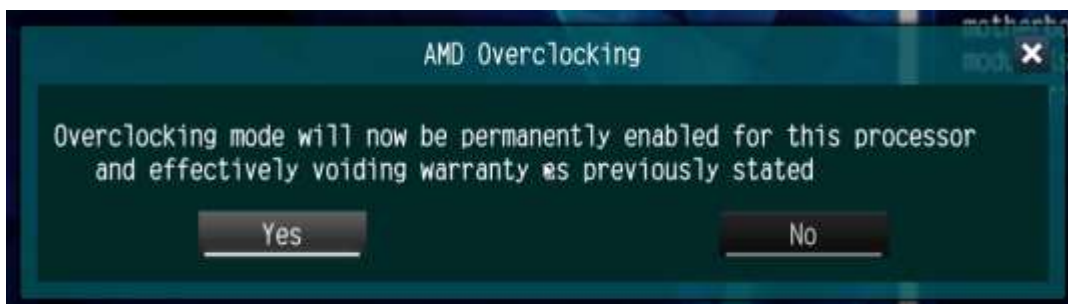


For details, please visit [ASRock website](#) and refer to [user manual](#) page 48.

Other important topics

1. AMD Overclocking Notification and Registration.

When you attempt to overclock the system, the BIOS will display an AMD overclocking notification. This notification is part of AMD's overclocking mechanism. Press "yes" if you want to enter overclocking mode. This will be registered within the AMD CPU, for reference by the AMD warranty team.



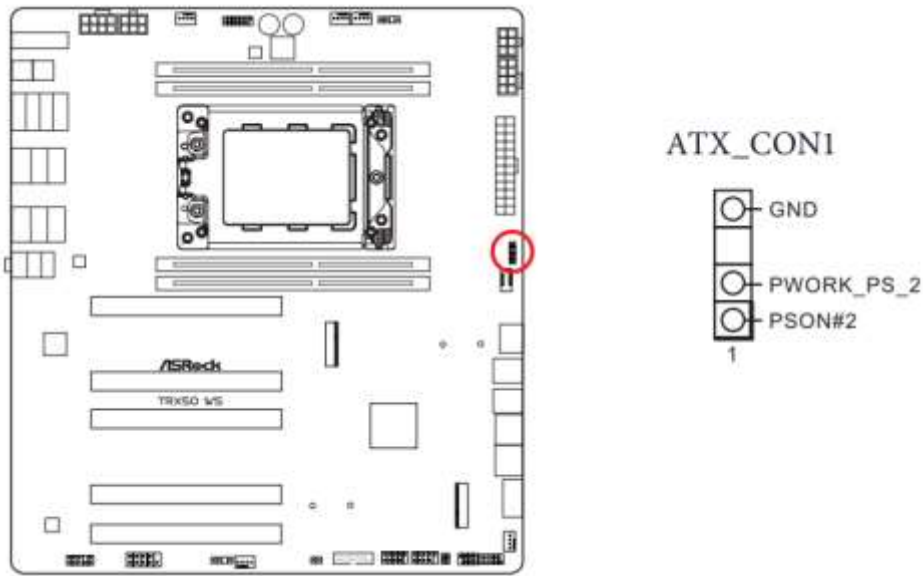
A CPU will generate this warning message only once. After accepting the message and consequences, the BIOS will no longer display this message with this CPU.



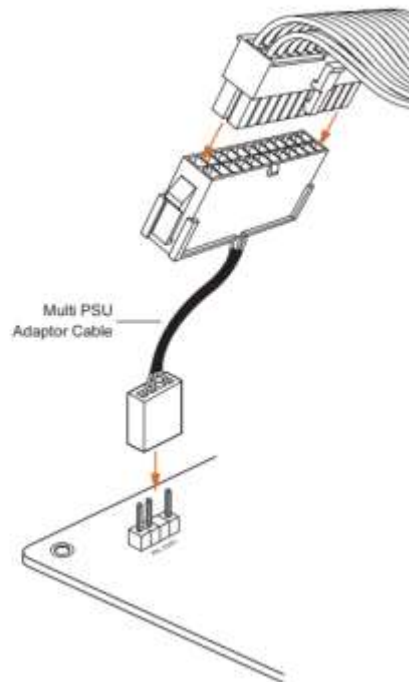
2. Connecting a Secondary PSU

A secondary PSU is not mandatory but can be used. It can be connected to the 3-pin ATX Power Connector ATX_CON1, using a Multi PSU Adaptor Cable. All the power cables from the secondary PSU will be available for connecting to the motherboard.

The Multi PSU Adaptor Cable will come with the TRX50 WS package.

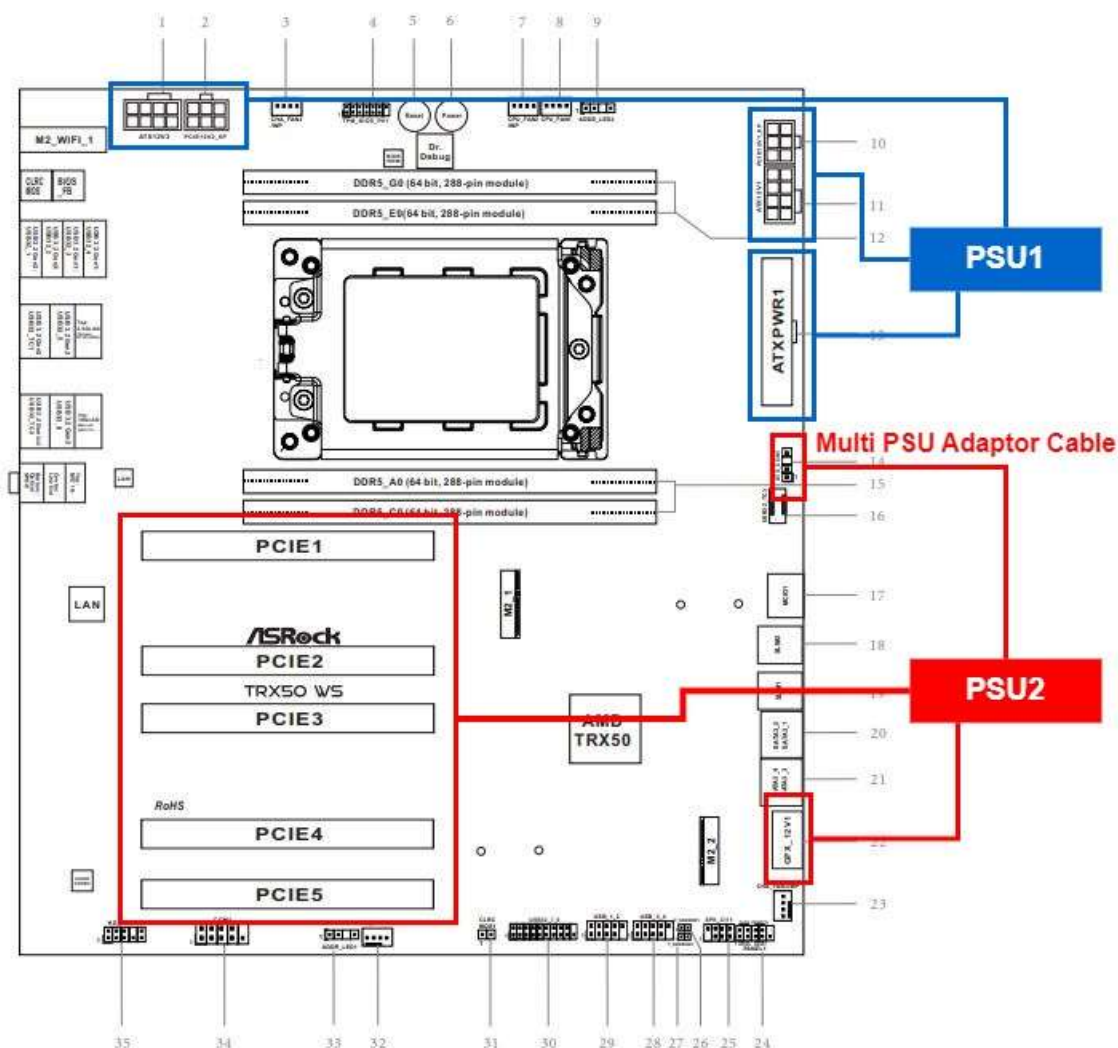


The following diagram illustrates how to connect the bundled Multi PSU Adaptor Cable.



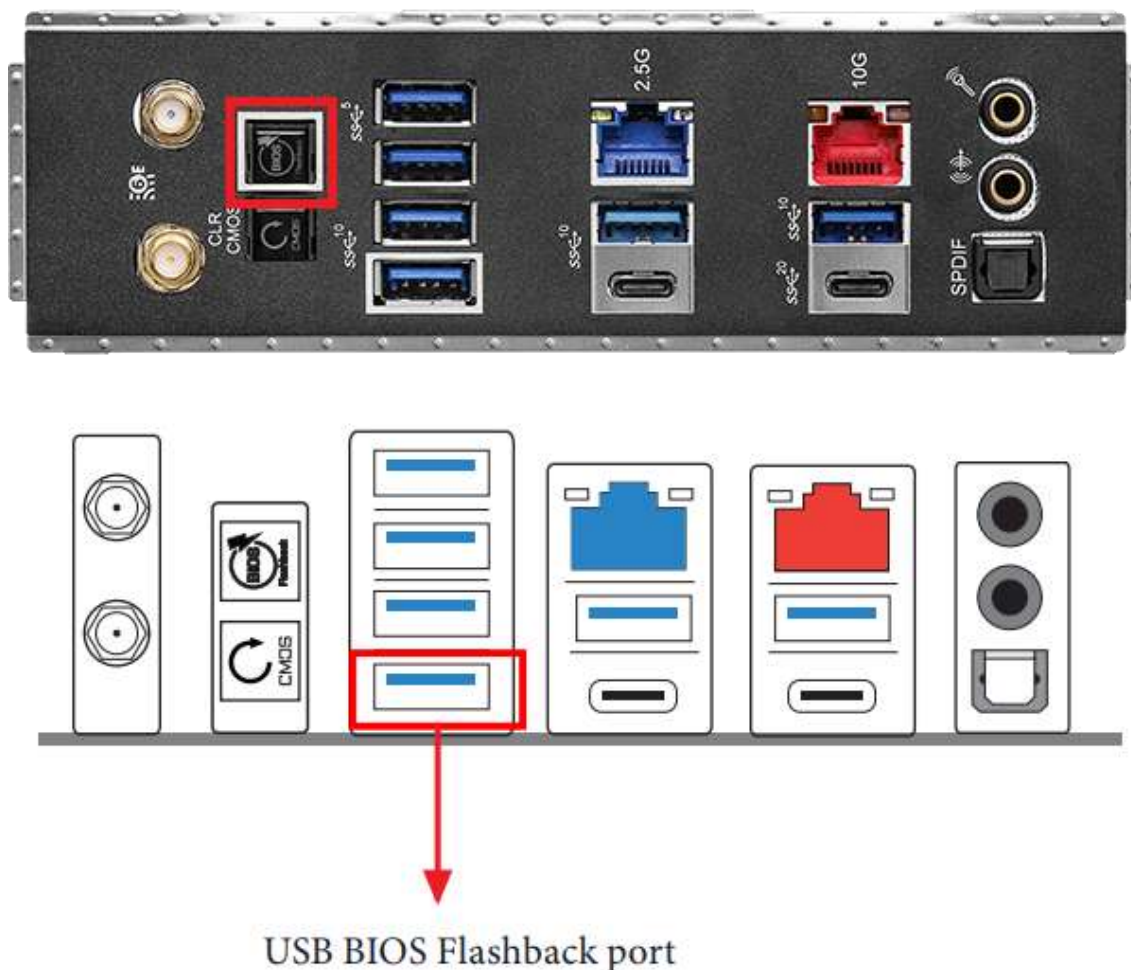
For details, please visit [ASRock website](https://www.asrock.com) and refer to [user manual](#) page 45.

Recommended setup when using 2 PSUs



3. Flashback Feature

TRX50 WS supports the flashback feature. It allows you to update the BIOS without powering on the system, and even without CPU. The flashback button and the corresponding USB port are on the Rear IO panel, as shown below.



The flashback [update procedure](#) can be found on the ASRock website and [user manual](#) page 56.



Before using the BIOS Flashback function, please suspend BitLocker and any encryption or security relying on the TPM. Make sure that you have already stored and backup-ed the recovery key. If the recovery key is missing while encryption is active, the data will stay encrypted and the system will not boot into the operating system. It is recommended to disable fTPM before updating the BIOS. Otherwise an unpredictable failure may occur.

4. MOS Fan Control

TRX50 WS provides MOS fan control settings under BIOS\H/W Monitor.

MOS fans are set to Standard Mode and Monitor VRM temperature by default.



Fan curve customization is also supported.

