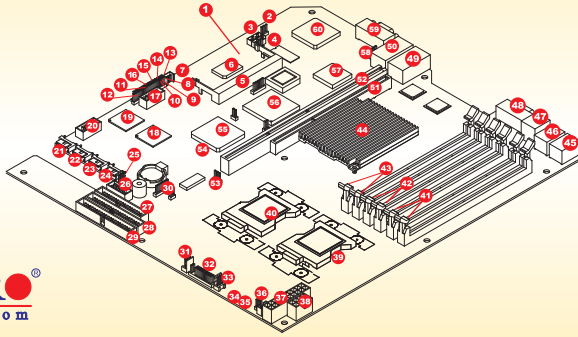


# SuperServer 6013P-T Serverboard Components



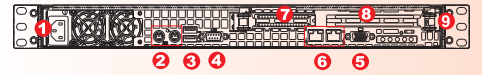
1 X5DPR-TG2+ Serverboard	21 SATA #0 port	41 Bank 1
2 JD4: Gigabit LAN Enable/Disable	22 SATA #1 port	42 Bank 2
3 JP24: SMB header	23 SATA #2 port	43 Bank 3
4 JP35: Keylock header	24 SATA #3 port	44 MCH chip
5 IPMI 1.5 socket	25 Chassis Fan 3	45 Keyboard
6 Super I/O	26 COM2	46 Mouse
7 WOL: Wake-on-LAN header	27 Floppy conn.	47 USB 0/1
8 WOR: Wake-on-Ring header	28 IDE#2 port	48 COM1
9 USB2 port	29 IDE#1 port	49 Gigabit LAN 1
10 JPS1: SATA 1 Enable/Disable	30 Overheat LED	50 Gigabit LAN 2
11 JPS2: SATA 2 Enable/Disable	31 CPU2 chassis fan	51 PCI#2
12 JL1: Chassis intrusion	32 JF2: Front control panel connector	52 PCI-X #1
13 JP37: Watch dog En/Disable	33 CPU1 chassis fan	53 JP38: Front side bus speed
14 PWR LED	34 JP36: Alarm reset switch	54 JBT1: CMOS clear
15 Speaker	35 JP9: Power fail alarm En/Disable	55 ICH3 chip
16 JD1: Speaker Enable (pins 6-7)	36 JP8: Third power supply fail header	56 P64H2
17 SATA LED	37 ATX power conn.	57 Intel 82546EB chip
18 SATA 2 controller	38 J15: 12V power conn.	58 JP4: VGA Enable/Disable
19 SATA 1 controller	39 CPU1 socket	59 VGA port
20 FPUSB0/1 ports	40 CPU2 socket	60 ATI Rage XL 8MB PCI controller

\* Note: Interleaved ECC registered memory requires DDR DIMMs to be installed in pairs

# X5DPR-TG2+ Quick Reference

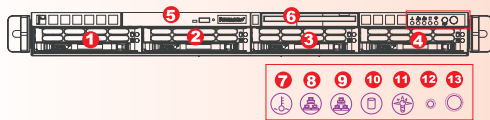
Jumpers	Description	Default Setting
JBT1	CMOS Clear	Pad
JD1	Speaker Enable (Pins 6-7)	Closed (Enabled)
JD4	Gigabit LAN En/disable	Pins 1-2 (Enabled)
JP4	VGA En/disable	Pins 1-2 (Enabled)
JP9	Power fail alarm En/disable	Open (Disabled)
JP37	Watch dog En/disable	Closed (Enabled)
JP38	Front side bus speed	Pins 1-2 (Auto)
JPS1, JPS2	SATA 1/2 En/Disable	Pins 1-2 (Enabled)

# Rear Panel Functions

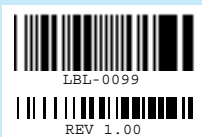


1. AC power connector
2. PS/2 mouse and keyboard port
3. 2 USB ports
4. 2 COM ports ( 1 internal)
5. 1 VGA port
6. 2 Gigabit LAN ports
7. 1 Low-profile PCI-X/PCI expansion slot
8. 1 Standard PCI-X/PCI expansion slot
9. PCI-X/PCI card release latch

# Front Panel Functions

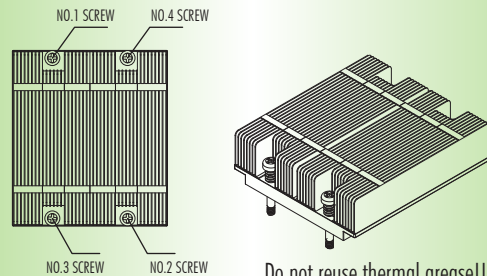


1. Hot-plug SATA hard drive, ID 0
2. Hot-plug SATA hard drive, ID 1
3. Hot-plug SATA hard drive, ID 2
4. Hot-plug SATA hard drive, ID 3
5. 1 Slim CD-ROM drive
6. 1 Slim floppy drive
7. Overheat: Indicates an overheat condition in the system
8. NIC2: Indicates network activity on LAN2 when flashing
9. NIC1: Indicates network activity on LAN1 when flashing
10. HDD: Indicates IDE channel activity
11. Power: Indicates power is being supplied to the system's power supply units
12. Reset button
13. Power SW button

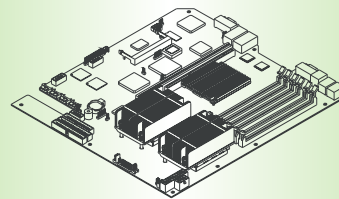


To protect the system and components, it is essential that you reinstall the top panel after you have finished working on the system.

# Cooling Fan Installation



Do not reuse thermal grease!!



## Warning ! CPU Heatsink Installation Procedure (For Supermicro SuperServer 1U Systems)

Due to the fact that adequate air flow and proper thermal control are very critical in maintaining 1U system's stability and performance, it is imperative that the proper installation procedures listed below be followed in order to maximize system performance. This is especially critical for 1U dual Xeon processor server solutions.

- 1) Only those CPU heatsinks that are provided by Supermicro should be used.
- 2) Do not apply any thermal grease to the heatsink - the required amount has already been applied.
- 3) Place the heatsink on top of the CPU so that the four mounting holes are aligned with those on the chassis.
- 4) Screw in two diagonal screws (ie. the #1 and #2 screws) until just snug (do not fully tighten), then do the same with the remaining two diagonal screws.
- 5) Finish by fully tightening all four screws.