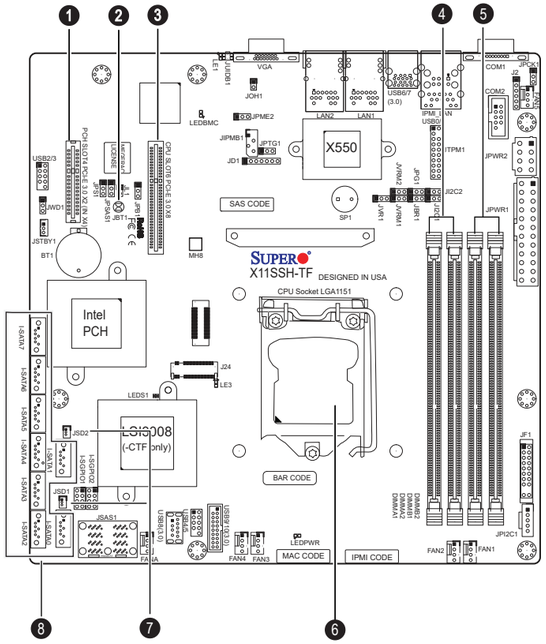
SUPERMICRO® SuperServer 5019S-MT Quick Reference Guide

Board Layout



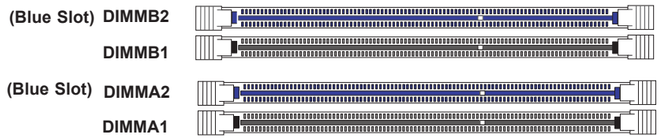
No.	Description
1	PCH Slot4 PCI-E 3.0 x2 (in x4) slot
2	JBT1 = CMOS Clear
3	CPU Slot6 PCI-E 3.0 x8 slot
4	DIMMA1/DIMMA2 (Blue Slot)
5	DIMMB1/DIMMB2 (Blue Slot)
6	CPU
7	JSD1 & JSD2: SATA DOM power connector
8	I-SATA 0~7: SATA 3.0 Connectors via Intel PCH (6Gb/s)

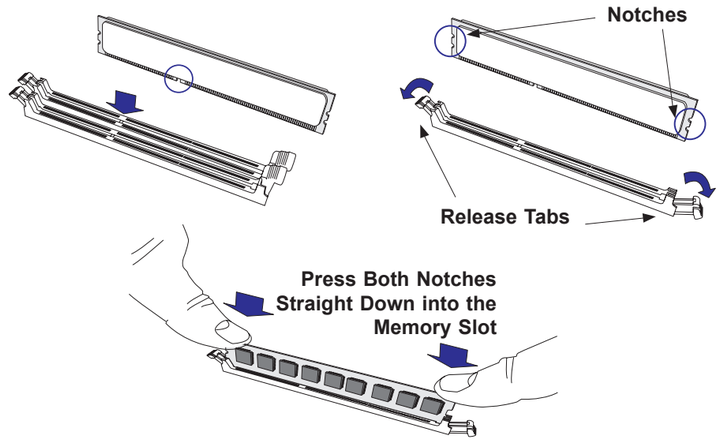
MEMORY

Memory Module Population						
DIMM Slots per Channel	DIMM Type	POR Speeds	Ranks per DIMM	Layer Count	FW Base	Supported Voltage
2	Unbuffered DDR4 ECC	2133,1866, 1600, 1333	SR, DR	6	SPS	1.2V1

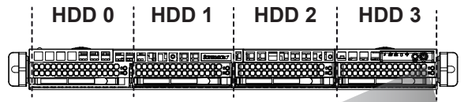
Memory Module Population		
Max Memory Possible	4GB DRAM Technology	POR Speeds
Single Rank UDIMM	16GB (4x 4GB DIMMs)	32GB (4x 8GB DIMMs)
Dual Rank UDIMM	32GB (4x 8GB DIMMs)	64GB (4x 16GB DIMMs)

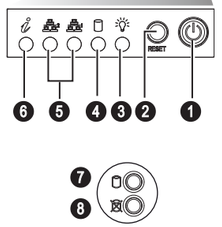
Polpulating these DIMM modules with a pair of memory modulesof the same type and same size wil result in interleaved memory, which will improve memory performance





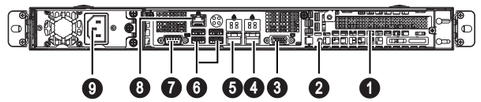
Front View & Interface





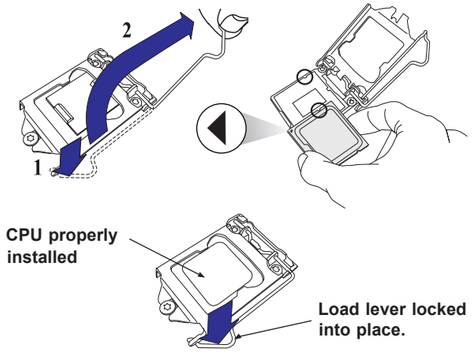
No.	Description
1	Power Button
2	Reset Button
3	Power LED
4	Device Activity LED
5	LAN1 LED & LAN2 LED
6	Information LED
7	Hard Drive Signal
8	Hard Drive Fail

Rear View

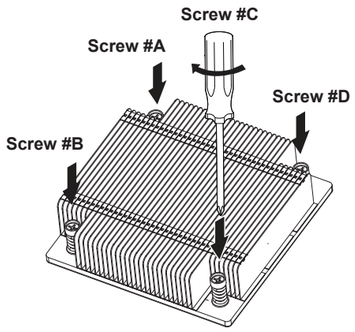


No.	Description
1	PCI-E Expansion Slot (w/riser card)
2	UID
3	VGA Port
4	10GbE LAN2 Port
5	10GbE LAN1 Port
6	USB 2/3 Ports
7	COM Port
8	IPMI Port
9	Single Power Supply Module

CPU Installation



Heatsink Installation



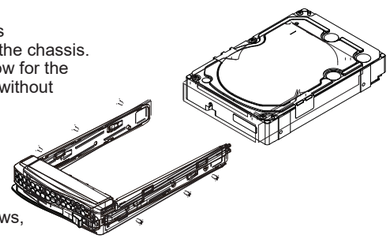
1. Place heatsink on top of installed CPU
2. Line up the four screws to socket
3. Push down heatsink and screw down as shown (cross pattern, in order: A, C, B, D)
4. NOTE: Only use 6-8 lb/f of torque; otherwise, hand-tighten each screw, to avoid damaging the system

Serial ATA Drive Installation

Mounting a Drive in a Drive Carrier

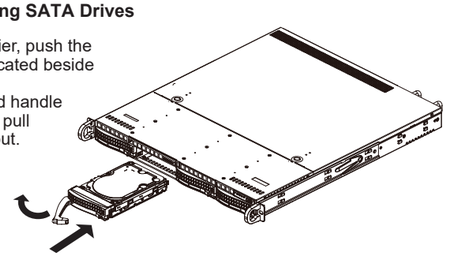
The SATA drives are mounted in drive carriers to simplify their installation and removal from the chassis. These carriers also help promote proper airflow for the system. For this reason, even empty carriers without drives installed must remain in the chassis.

1. Install a new drive into the carrier with the printed circuit baord side facing down so that the mounting holes align with those in the carrier.
2. Secure the drive to the carrier with six screws, as shown.



Installing/Removing SATA Drives

1. To remove a carrier, push the release button located beside the drive LEDs.
2. Swing the colored handle fully and use it to pull the unit straight out.



Beep Code

BIOS Error Beep Codes		
Beep Code/LED	Error Message	Description
1 beep	Refresh	Circuits have been reset. (Ready to power up)
5 short beeps + 1 long beep	Memory error	No memory detected in the system
8 beeps	Display memory read/write error	Video adapter missing or with faulty memory
OH LED On	System OH	System Overheat

Caution

⚠ SAFETY INFORMATION
IMPORTANT: See installation instructions and safety warning before connecting system to power supply.
http://www.supermicro.com/about/policies/safety_information.cfm

⚠ WARNING:
To reduce risk of electric shock/damage to equipment, disconnect power from server by disconnecting all power cords from electrical outlets.
If any CPU socket empty, install protective plastic CPU cap

⚠ CAUTION:
Always be sure all power supplies for this system have the same power output. If mixed power supplies are installed, the system will not operate.

For more information go to :
http://www.supermicro.com/support