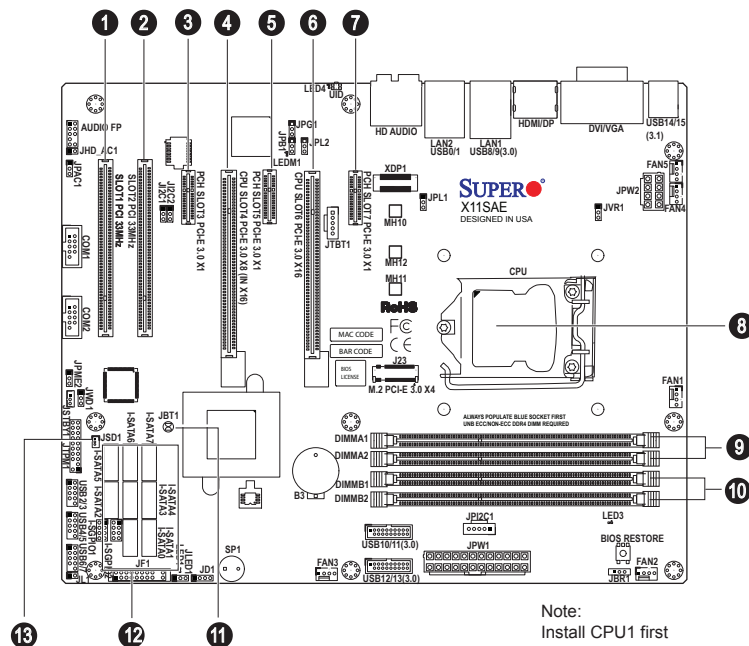


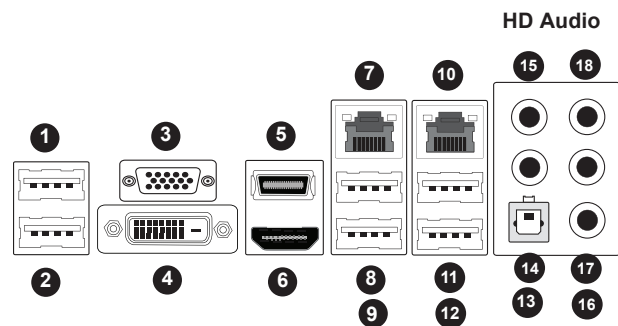
# SUPERMICR® SuperWorkstation 5039A-iL Quick Reference Guide

## Board Layout



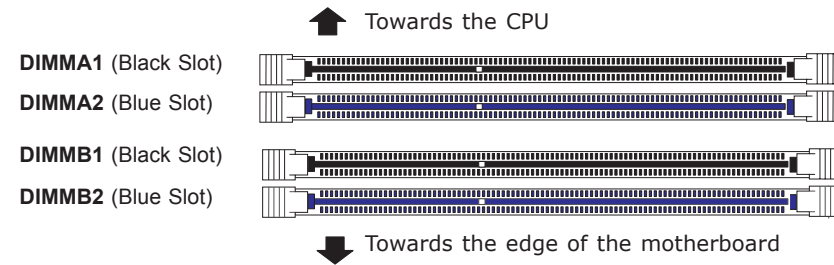
No.	Description	No.	Description
1	Slot1 PCI 33MHz	7	PCH Slot7 PCI-E 3.0 x1
2	Slot2 PCI 33MHz	8	CPU
3	PCH Slot3 PCI-E 3.0 x1	9	DIMMA1/DIMMA2
4	CPU Slot4 PCI-E 3.0 x8 (in x16)	10	DIMMB1/DIMMB2
5	PCH Slot5 PCI-E 3.0 x1	11	JBT1 = CMOS Reset
6	CPU Slot6 PCI-E 3.0 x16	12	I-SATA 0~7 = Intel SATA Ports
		13	JSD1= SATA DOM Power

## Back Panel I/O Connectors



1. USB 3.1 Port 14	7. LAN Port 1	13. SPDIF Out
2. USB 3.1 Port 15	8. USB 3.0 Port 8	14. Surround Out
3. VGA Port	9. USB 3.0 Port 9	15. Center/LFE Out
4. DVI Port	10. LAN Port 2	16. Mic In
5. DisplayPort	11. USB 2.0 Port 0	17. Line Out
6. HDMI Port	12. USB 2.0 Port 1	18. Line In

## Memory



### Memory Population Guidelines

When installing memory modules, the DIMM slots should be populated in the following order: DIMMA2, DIMMB2, then DIMMA1, DIMMB1.

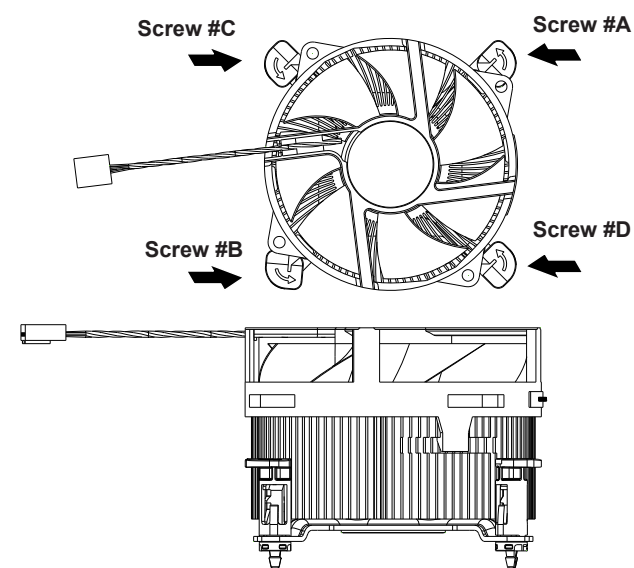
- Always use DDR4 DIMM modules of the same size, type and speed.
- Mixed DIMM speeds can be installed. However, all DIMMs will run at the speed of the slowest DIMM.

### Recommended Population (Balanced)

DIMMA2	DIMMB2	DIMMA1	DIMMB1	Total System Memory
4GB	4GB			8GB
4GB	4GB	4GB	4GB	16GB
8GB	8GB	8GB	8GB	32GB
16GB	16GB	16GB	16GB	64GB

Note: Up to 64GB of memory are supported. See the User Manual for complete memory population information.

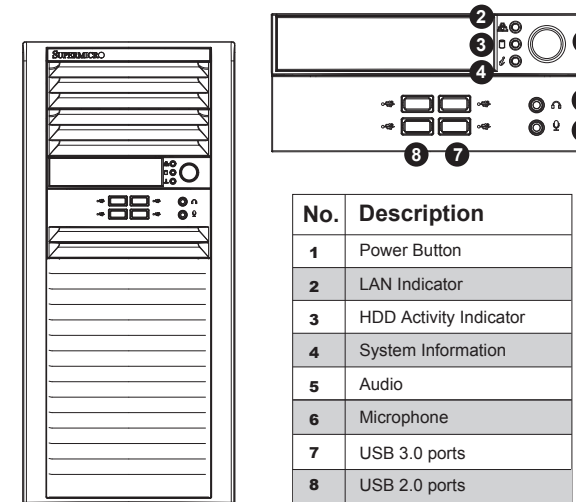
## Heatsink Installation



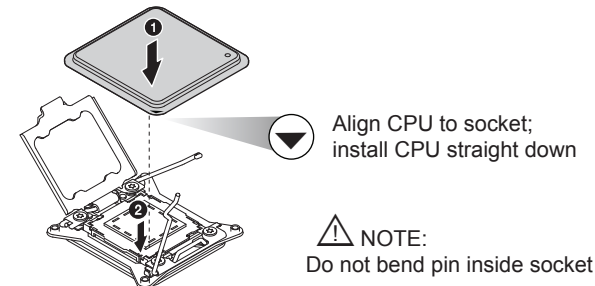
### Note:

1. Place heatsink on top of installed CPU
2. Line up the four screws to socket
3. Push down heatsink and screw as shown (cross pattern, in order: A, B, C, D)

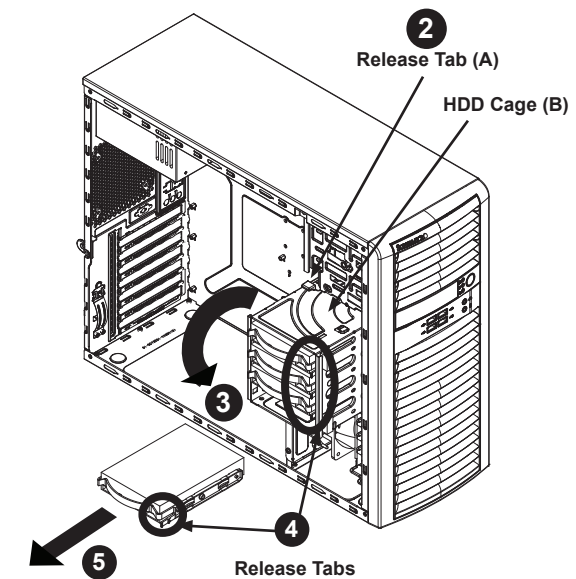
## Front View & Interface



## CPU Installation



## Hard Drives Installation



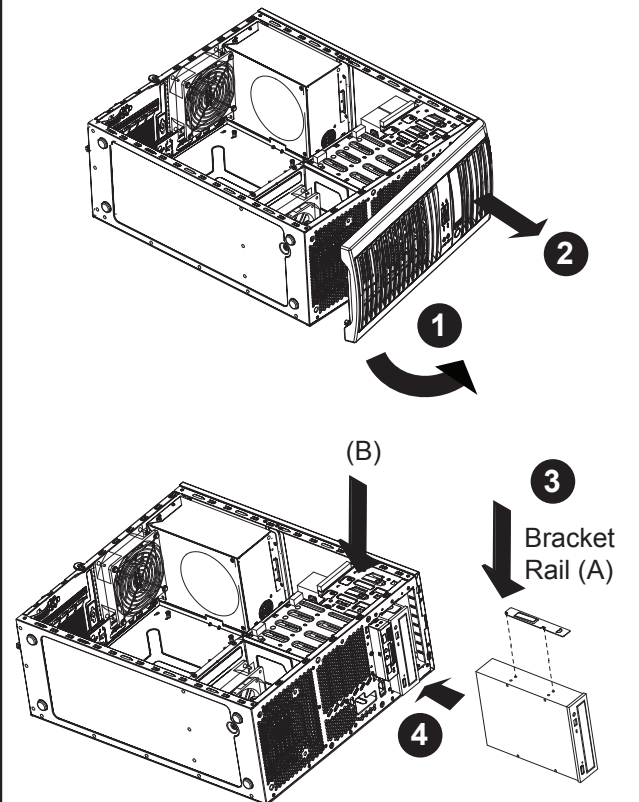
### Removing and Installing 3.5" Hard Drives

1. Disconnect the chassis from any power source.
2. Rotate the hard drive cage outward 90 degrees.
3. Disconnect all of the cables from the hard drive.
4. Press the release tab on the side of the hard drive carrier that is to be removed from the hard drive cage.
5. Gently slide the hard drive carrier out of the hard drive cage.

## Installing an Optical Device

### Installing an Optical Device

1. Remove the front bezel from the chassis by lifting it upwards from the bottom, and pulling off the front of the chassis.
2. Remove the cover plate from the optical device slot on the front of the chassis.
3. Install the bracket rail (A) onto one side of the optical device, by inserting the pins of the bracket into the mounting holes on the sides of the optical device.
4. Slide the optical device into the chassis.
5. If desired, screws may be used where indicated below (B) to secure the optical device into chassis.



## 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](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>

