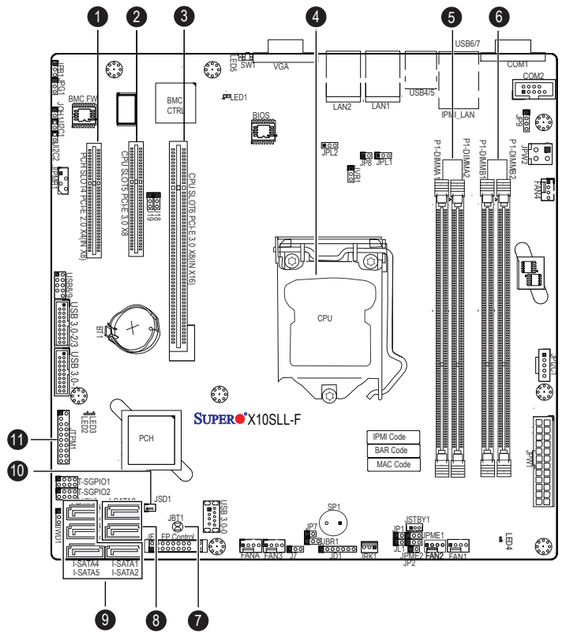
SUPERMICRO® SuperServer 5018D-MF Quick Reference Guide

Board Layout

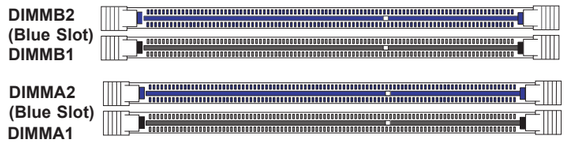


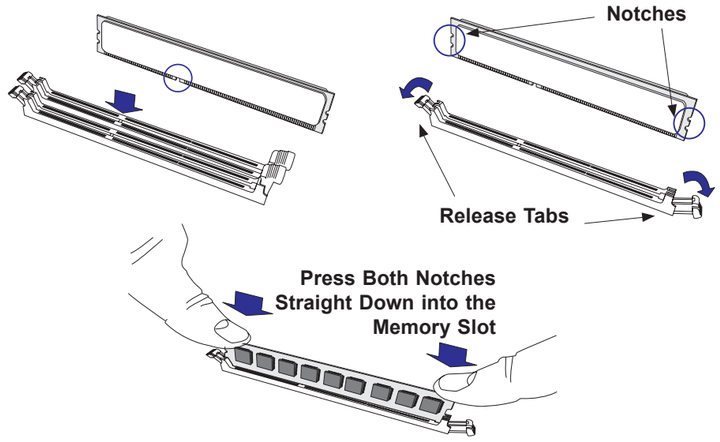
No.	Description
1	PCH Slot4 PCI-E 2.0 x4 in x8 slot
2	CPU Slot5 PCI-E 3.0 x8 slot
3	CPU Slot6 PCI-E 3.0 x8 in x16 slot
4	CPU
5	DIMMA1 / DIMMA2 (Blue Slot)
6	DIMM1B / DIMM2B (Blue Slot)
7	JBT1 = CMOS Clear
8	SATA 3.0 (0/1 Ports)
9	SATA 2.0 (2/3/4/5 Ports)
10	JSD1 = SATA DOM Power Connector
11	JTPM1 = Trusted Platform Module/Port 80 Connector

MEMORY

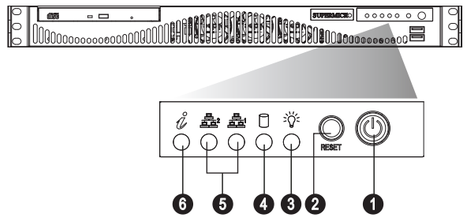
DDR3 Unbuffered Non-ECC (UDIMM) Memory				
DIMM Slots per Channel	DIMMs Populated per Channel	DIMM Type	POR Speeds	Ranks per DIMM (any combination)
2	1	Unb. ECC DDR3	1066, 1333, 1600	Single Rank, Dual Rank
2	2	Unb.ECC DDR3	1066, 1333, 1600	Single Rank, Dual Rank

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



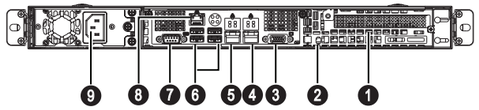


Front View & Interface



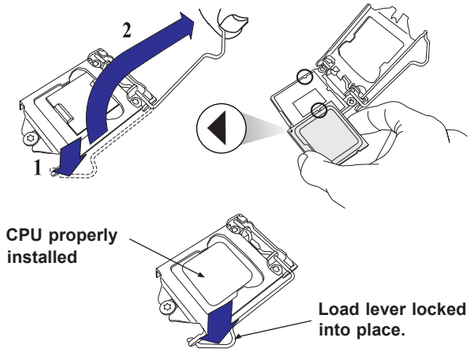
No.	Description
1	Power Button
2	Reset Button
3	Power LED
4	Device Activity LED
5	LAN1 LED & LAN2 LED
6	Information LED

Rear View

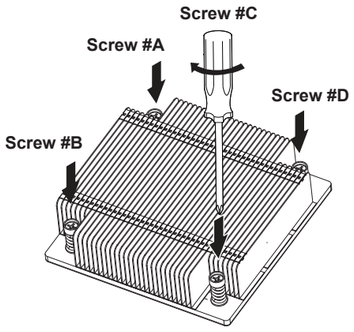


No.	Description
1	PCI-E Expansion Slot (w/riser card)
2	UID Button
3	VGA Port
4	GbE LAN2 Port
5	GbE LAN1 Port
6	USB 4/5/6/7 Ports
7	COM1 Port
8	Dedicated LAN for IPMI
9	Single Power Supply Module

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

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.

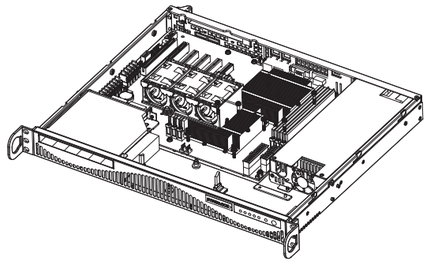
For more information go to :
http://www.supermicro.com/support

Serial ATA Drive Installation

1. First power down the system and then remove the top cover of the chassis.
2. Secure the drive to the tray with the four screws.
3. Replace the top cover when finished.

Note: the 5018D-MF can accommodate two internal SATA hard drives, one on each side of the fans.

Enterprise level hard disk drives are recommended for use in Supermicro chassis and servers. For information on recommended HDDs, visit the Supermicro Web site at http://www.supermicro.com



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