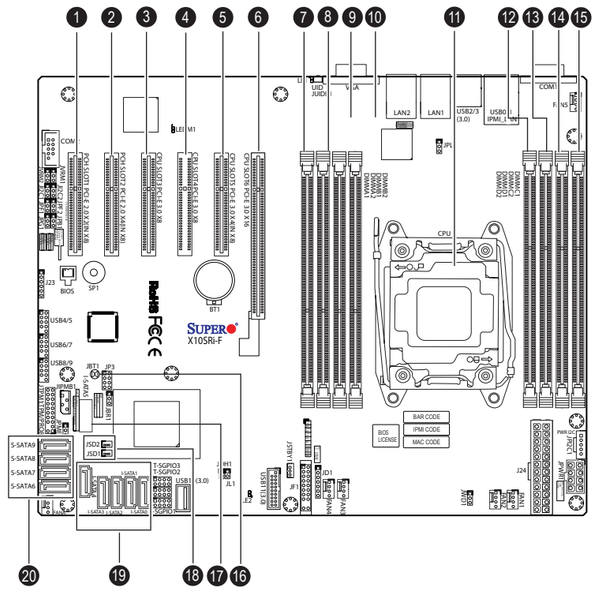
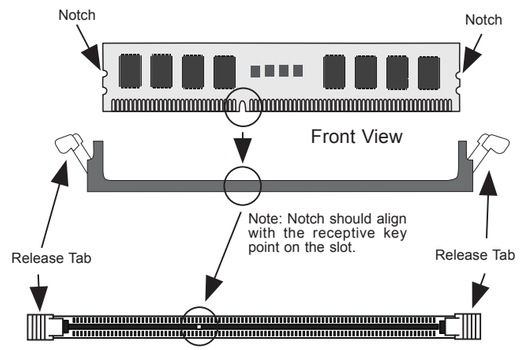
SUPERMICRO® SuperServer 5018R-M/MR Quick Reference Guide

Board Layout

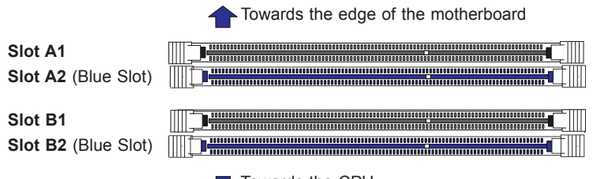


No.	Description
1	PCH Slot1 PCI-E 2.0 x2 (in x8)
2	PCH Slot2 PCI-E 2.0 x4 (in x8)
3	CPU Slot3 PCI-E 3.0 x8
4	CPU Slot4 PCI-E 3.0 x8
5	CPU Slot5 PCI-E 3.0 x4 (in x8)
6	CPU Slot6 PCI-E 3.0 x16
7	DIMMA2 (BLUE) slot
8	DIMMA1 slot
9	DIMMB2 (BLUE) slot
10	DIMMB1 slot
11	CPU
12	DIMMD2 (BLUE) slot
13	DIMMD1 slot
14	DIMMC2 (BLUE) slot
15	DIMMC1 slot
16	JBT1 = CMOS Reset
17	I-SATA 5: Intel PCH Serial ATA (SATA 3.0) Ports 0/1 (6Gb/s)
18	JSD1 & JSD2 = Disk On Module (DOM) Power
19	I-SATA 0~4: Intel PCH Serial ATA (SATA 3.0) Ports 0/1 (6Gb/s)
20	S-SATA 6~9: Intel PCH Serial ATA (SATA 3.0) Ports 0/1(6Gb/s)

MEMORY



Top View of DDR4 Slot



Populating RDIMM/LRDIMM DDR4 Memory Modules

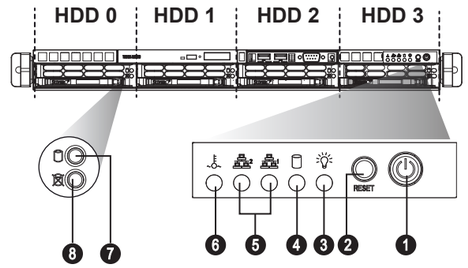
Type	Ranks Per DIMM and Data Width	DIMM Capacity (GB)		Speed (MT/s); Voltage (V); Slots per Channel (SPC) and DIMMs per Channel (DPC)			
				2 Slots per Channel			
				1 DPC		2 DPC	
				E5-2600 V3	E5-2600 V4	E5-2600 V3	E5-2600 V4
		4 Gb	8 Gb	1.2 V	1.2 V	1.2 V	1.2 V
RDIMM	SRx4	8 GB	16 GB	2133	2400	1866	2133
RDIMM	SRx8	4 GB	8 GB	2133	2400	1866	2133
RDIMM	DRx8	8 GB	16 GB	2133	2400	1866	2133
RDIMM	DRx4	16 GB	32 GB	2133	2400	1866	2133
LRDIMM	QRx4	32 GB	64 GB	2133	2400	2133	2400
LRDIMM 3DS	8Rx4	64 GB	128 GB	2133	2400	2133	2400

Beep Codes

BIOS Beep Codes

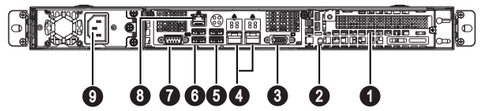
Beep Code/LED	Message	Description
1 beep	Refresh	Circuits have been reset. (Ready to power up)
5 short beeps + 1 long beep	Memory	No memory detected
8 long beeps	Display memory read/ write status	Video adapter missing or with faulty memory
OH LED On	System	System overheat

Front view & Interface



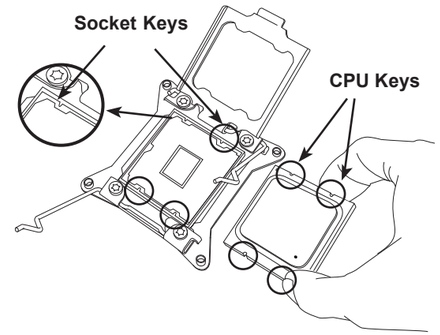
No.	Description
1	Power Button
2	Reset Button
3	Power LED
4	Device Activity LED
5	LAN1 LED & LAN2 LED
6	Overheat & Fan Fail LED
7	Hard Drive Signal
8	Hard Drive Fail

Rear View

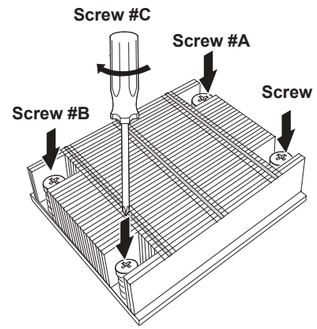


No.	Description
1	PCI-E Expansion Slot (w/riser card)
2	UID
3	VGA Port
4	GbE LAN1/LAN2 Port
5	USB Port 2/3 (3.0)
6	USB Port 0/1 (2.0)
7	COM1 Port
8	Dedicated LAN for IPMI
9	Single Power Supply Module

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