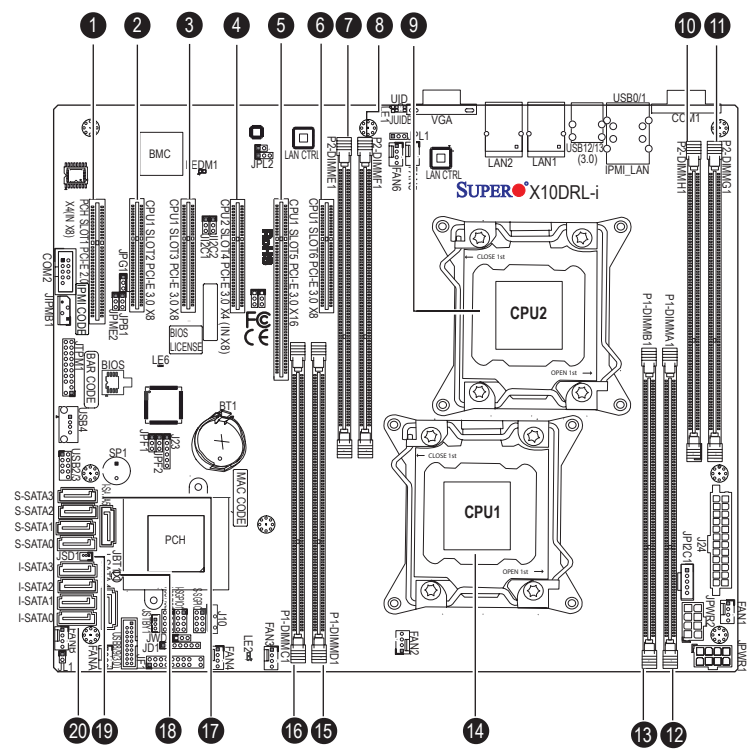


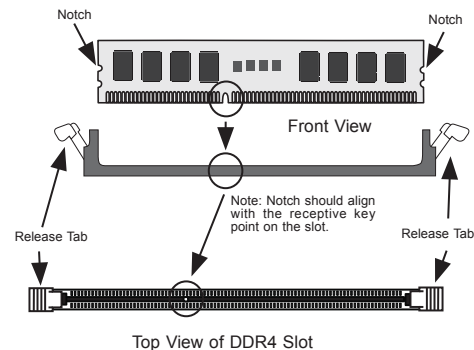
SUPERMICR[®] SuperServer 6018R-MT/MTR Quick Reference Guide

Board Layout



No.	Description
1	PCH Slot1 PCI-E 2.0 x4 in x8 Slot from Intel PCH
2	CPU1 Slot2 PCI-E 3.0 x8 Slot from CPU1
3	CPU1 Slot3 PCI-E 3.0 x8 Slot from CPU1
4	CPU2 Slot4 PCI-E 3.0 x4 in x8 Slot from CPU2
5	CPU1 Slot5 PCI-E 3.0 x16 from CPU1
6	CPU1 Slot6 PCI-E 3.0 x8 from CPU1
7	P2-DIMME1 slot
8	P2-DIMMF1 slot
9	CPU2
10	P2-DIMMH1 slot
11	P2-DIMMG1 slot
12	P1-DIMMA1 slot
13	P1-DIMMB1 slot
14	CPU1 (Install CPU1 first)
15	P1-DIMMD1 slot
16	P1-DIMMC2 slot
17	S-SATA 0~3: SATA 3.0 Ports supported by Intel SCU (S-SATA 0~3)
18	JBT1 = CMOS Reset
19	JSD1: SATA DOM (Disk On Module) Power Connector
20	I-SATA 0~5: SATA 3.0 Ports supported by Intel PCH (I-SATA 0~5)

Memory



Processors and their Corresponding Memory Modules				
CPU#	Corresponding DIMM Modules			
CPU 1	P1-DIMMA1	P1-DIMMB1	P1-DIMMC1	P1-DIMMD1
CPU 2	P2-DIMME1	P2-DIMMF1	P2-DIMMG1	P2-DIMMH1

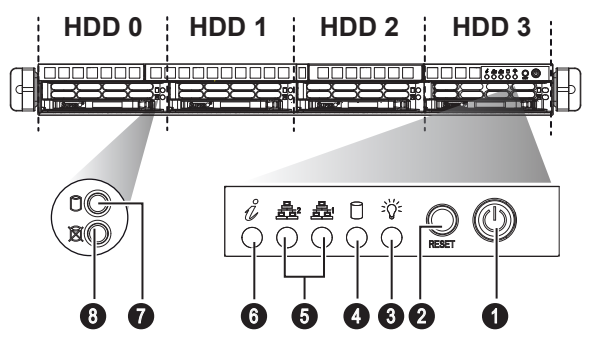
Processor and Memory Module Population for Optimal Performance	
Number of CPUs+DIMMs	CPU and Memory Population Configuration Table (For memory to work properly, please follow the instructions below.)
1 CPU & 2 DIMMs	CPU1 P1-DIMMA1/P1-DIMMB1
1 CPU & 4 DIMMs	CPU1 P1-DIMMA1/P1-DIMMB1, P1-DIMMC1/P1-DIMMD1
1 CPU & 5~8 DIMMs	CPU1 P1-DIMMA1/P1-DIMMB1, P1-DIMMC1/P1-DIMMD1 + Any memory pairs in P2-DIMME1/P2-DIMMF1/P2-DIMMG1/P2-DIMMH1 slots
2 CPUs & 4 DIMMs	CPU1 + CPU2 P1-DIMMA1/P1-DIMMB1, P2-DIMME1/P2-DIMMF1
2 CPUs & 6 DIMMs	CPU1 + CPU2 P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1, P2-DIMME1/P2-DIMMF1
2 CPUs & 8 DIMMs	CPU1 + CPU2 P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1, P2-DIMME1/P2-DIMMF1/P2-DIMMG1/P2-DIMMH1

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)	
				1 Slot per Channel	
				1 DPC	
				E5-2600 V3	E5-2600 V4
RDIMM	SRx4	8 GB	16 GB	1.2 V	1.2 V
RDIMM	SRx8	4 GB	8 GB	2133	2400
RDIMM	DRx8	8 GB	16 GB	2133	2400
RDIMM	DRx4	16 GB	32 GB	2133	2400
LRDIMM	QRx4	32 GB	64 GB	2133	2400
LRDIMM 3DS	8Rx4	64 GB	128 GB	2133	2400

Beep Codes

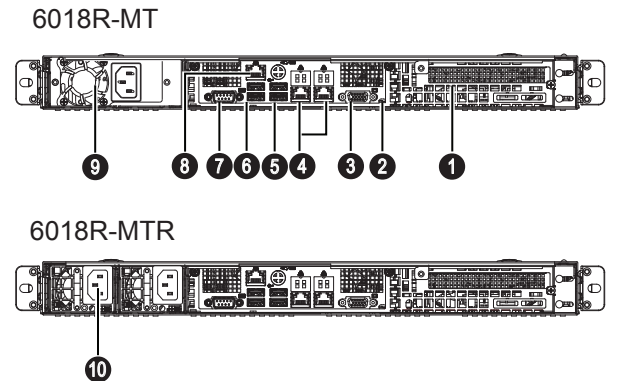
Beep Code/LED	Message	Description
1 beep	Refresh	Ready to boot
5 short beeps + 1 long beep	Memory error	No memory detected in the system
5 beeps	No Con-In or No Con-Out devices	Con-In includes USB or PS/2 keyboard, PCI or Serial Console Redirection, IPMI KVM or SOL. Con-Out includes Video Controller, PCI or Serial Console Redirection, IPMI SOL.
1 beep per device	Refresh	1 beep or each USB device detected

Front View & Interface



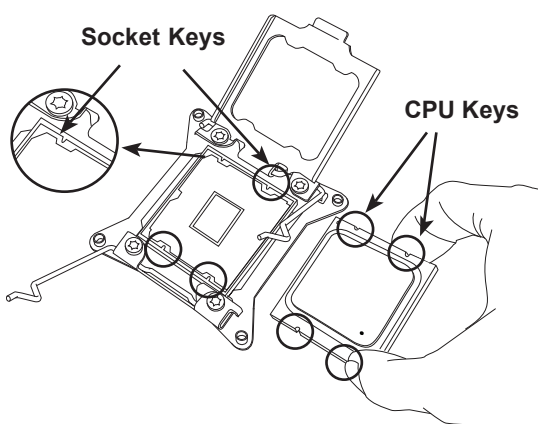
No.	Description
1	Power Button
2	Reset Button
3	Power LED
4	Device Activity LED
5	LAN1 LED & LAN2 LED
6	Information LED
7	Hard Drive Signal
8	Hard Drive Fail

Rear View

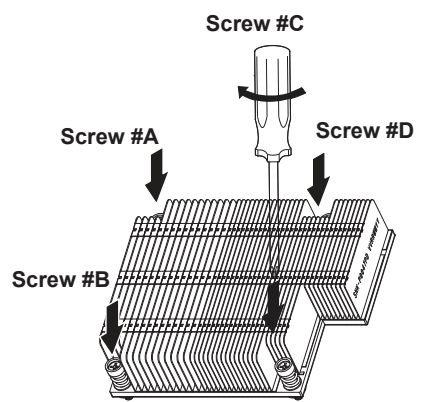


No.	Description
1	FHHL PCI-E Expansion Slot (CPU1)
2	UID
3	VGA Port
4	GbE LAN1/LAN2 Port
5	USB Port 2/3 (3.0)
6	USB Port 0/1 (2.0)
7	COM1 Port
8	Dedicated LAN for IPMI
9	Single Power Supply Module
10	Redundant Power Supply Module

CPU Installation



Heatsink Installation



1. Place the heatsink on top of the installed CPU.
2. Align the four screws to the socket.
3. Holding the heatsink in place, 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 CPU

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>