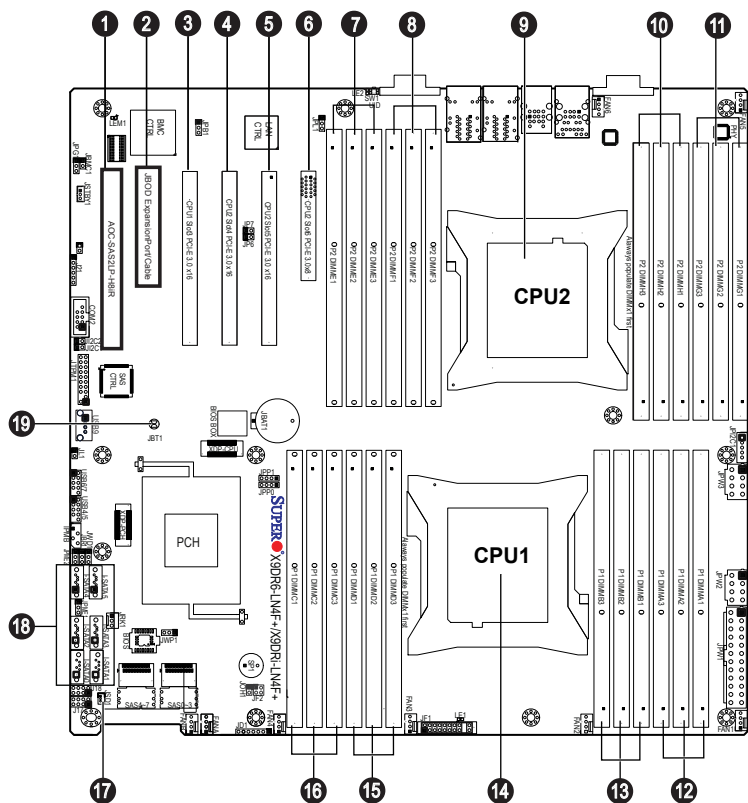


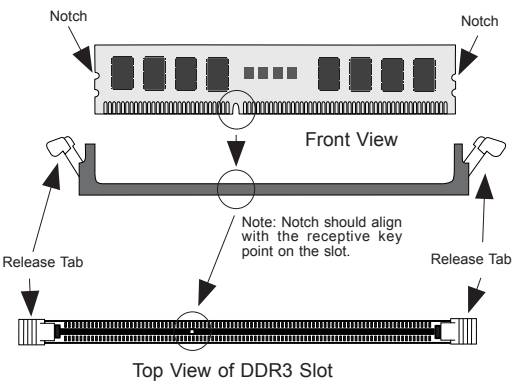
SUPERMICR[®] SuperStorage N-Series Quick Reference Guide

Board Layout



No.	Description
1	AOC-SAS2LP-H8IR
2	JBOD Expansion Port/Cable
3	CPU1 Slot3 PCI-E 3.0 x16
4	CPU2 Slot4 PCI-E 3.0 x16
5	CPU2 Slot5 PCI-E 3.0 x16
6	CPU2 Slot6 PCI-E 3.0 x8
7	P2-DIMME1(Blue)/P2-DIMME2/P2-DIMME3 slot
8	P2-DIMMF1(Blue)/P2-DIMMF2/P2-DIMMF3 slot
9	CPU2/P1
10	P2-DIMMH1(Blue)/P2-DIMMH2/P2-DIMMH3 slot
11	P2-DIMMG1(Blue)/P2-DIMMG2/P2-DIMMG3 slot
12	P1-DIMMA1(Blue)/P1-DIMMA2/P1-DIMMA3 slot
13	P1-DIMMB1(Blue)/P1-DIMMB2/P1-DIMMB3 slot
14	CPU1/P1 install first / minimum requirement
15	P1-DIMMD1(Blue)/P1-DIMMD2/P1-DIMMD3 slot
16	P1-DIMMC1(Blue)/P1-DIMMC2/P1-DIMMC3 slot
17	JSD1 = SATA DOM (Device On Module)/Port 80
18	I-SATA 0 ~ 5 (from IntelSB SATA Connectors 0~5)
19	JBT1 = CMOS Reset

MEMORY



DIMM Module Population Tables

Processors and their Corresponding Memory Slots

CPU#	Corresponding Memory Slot											
CPU 1 (P1-)	A1	B1	C1	D1	A2	B2	C2	D2	A3	B3	C3	D3
CPU2 (P2-)	E1	F1	G1	H1	E2	F2	G2	H2	E3	F3	G3	H3

Processor and Memory Module Population

Number of CPUs+DIMMs	CPU and Memory Population Configuration Table (For memory to work properly, please install DIMMs as shown below.)
1 CPU & 3 DIMMs	CPU1 P1-A1/P1-B1/P1-C1
1 CPU & 6 DIMMs	CPU1 P1-A1/P1-B1/P1-C1/P1-D1/P1-A2/P1-B2
1 CPU & 9 DIMMs	CPU1 P1-A1/P1-B1/P1-C1/P1-D1/P1-A2/P1-B2/P1-C2/P1-D2/P1-A3
1 CPU & 12 DIMMs	CPU1 P1-A1/P1-B1/P1-C1/P1-D1/P1-A2/P1-B2/P1-C2/P1-D2/P1-A3/P1-B3/P1-C3/P1-D3
2 CPUs & 6 DIMMs	CPU1 + CPU2 P1-A1/P1-B1/P1-C1 P2-E1/P2-F1/P2-G1
2 CPUs & 12 DIMMs	CPU1 + CPU2 P1-A1/P1-B1/P1-C1/P1-D1/P1-A2/P1-B2 P2-E1/P2-F1/P2-G1/P2-H1/P2-E2/P2-F2
2 CPUs & 16 DIMMs	CPU1 + CPU2 P1-A1/P1-B1/P1-C1/P1-D1/P1-A2/P1-B2/P1-C2/P1-D2 P2-E1/P2-F1/P2-G1/P2-H1/P2-E2/P2-F2/P2-G2/P2-H2
2 CPUs & 18 DIMMs	CPU1 + CPU2 P1-A1/P1-B1/P1-C1/P1-D1/P1-A2/P1-B2/P1-C2/P1-D2/P1-A3 P2-E1/P2-F1/P2-G1/P2-H1/P2-E2/P2-F2/P2-G2/P2-H2/P2-E3
2 CPUs & 24 DIMMs	CPU1/CPU2 P1-A1/P1-B1/P1-C1/P1-D1/P1-A2/P1-B2/P1-C2/P1-D2/P1-A3/P1-B3/P1-C3/P1-D3 P2-E1/P2-F1/P2-G1/P2-H1/P2-E2/P2-F2/P2-G2/P2-H2/P2-E3/P2-F3/P2-G3/P2-H3

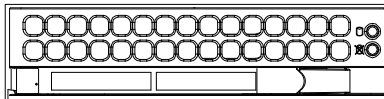
Please refer to the user manual for more details on memory types, speeds and configurations

Chassis Front Panel LED Indicator Definition

Component	State/Indication
Power	Solid Green/Power is On
Onboard SATA	Flash Green/Onboard SAS/SATA Drive Activity
LAN1	Flash Green/Network Connectivity
LAN2	Flash Green/Network Connectivity
Temperature/Fan	Flash Red/Fan Failure; Solid Red/Over Temperature
Power Failure	Flash Red/Power Supply Failure

LED Indicator

3.5" Drive Module



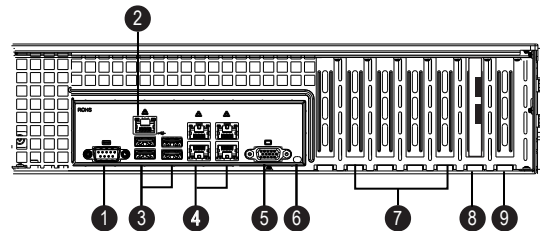
2.5" Drive Module



Drive RED LED Indicator

LED State	Indication
OFF	Normal Operation
Solid ON	Drive Failure
Slow Blink (1 Hz)	Rebuilding to Drive
2 Fast Blink, Pause (repeats)	Drive Assigned as a Hot Spare
Fast Blink (4 Hz)	Slot Identify command has been issued from controller

Rear View



No.	Description
1	COM Port1
2	Dedicated IPMI LAN
3	USB 0/1/2/3 Ports
4	LAN 1/2/3/4 Ports
5	VGA Port
6	UID Button
7	Up to 4x open PCI-E expansion slots*
8	Dual JBOD Expansion port**
9	Hard RAID controller

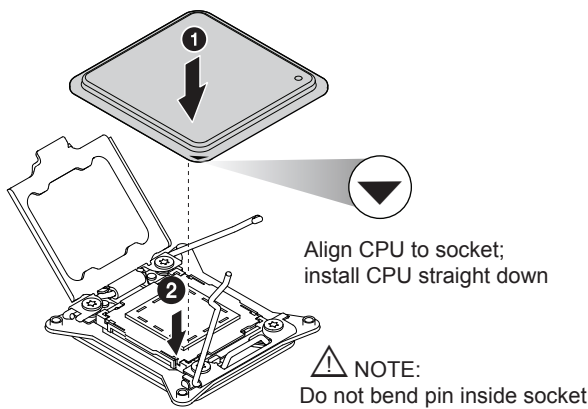
* Low profile PCI slots shown, models SSG-6037R-E1R16N & SSG-6046R-E1R24N support up to 3x full height full length expansion cards.

**SSG-6027R-E1R12N features a single expansion port.

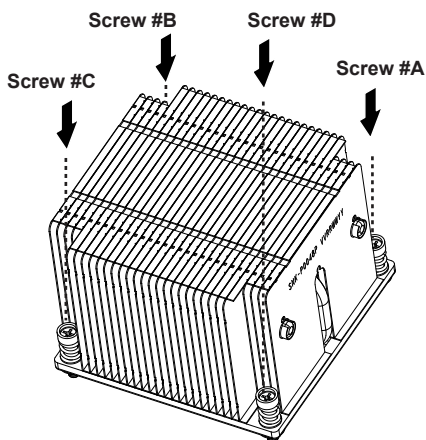
Beep Codes

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
5 long beeps + 2 short beeps	Display memory read/write status	Video adapter missing or with faulty memory
1 continuous beep	System	System overheat

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>

