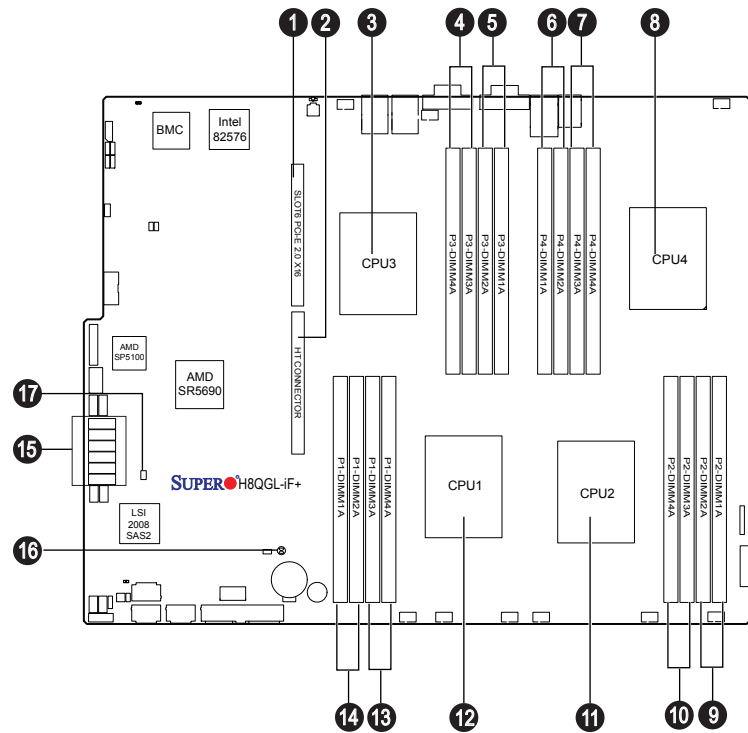


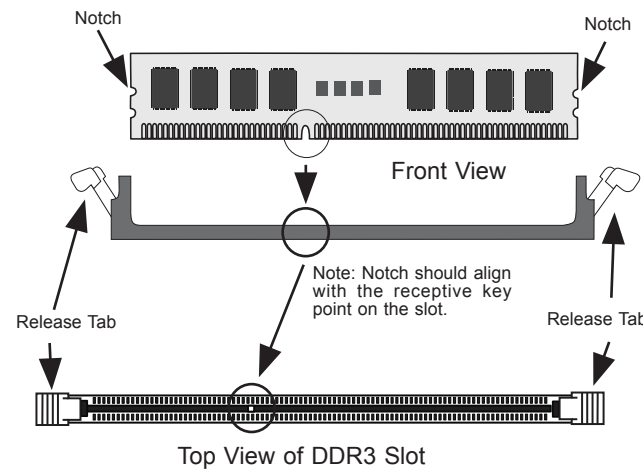
SUPERMICR[®] A+ Server 1042G-LTF Quick Reference Guide

Board Layout



No.	Description
1	Slot6 PCI-E 2.0 x16
2	HT Connector
3	CPU3
4	P3-DIMM3A/P3-DIMM4A
5	P3-DIMM1A/P3-DIMM2A
6	P4-DIMM1A/P4-DIMM2A
7	P4-DIMM3A/P4-DIMM4B
8	CPU4
9	P2-DIMM1A/P2-DIMM2A
10	P2-DIMM3A/P2-DIMM4A
11	CPU2
12	CPU1
13	P1-DIMM4A/P1-DIMM3A
14	P1-DIMM1A/P1-DIMM2B
15	SATA 0 ~5 Ports
16	JBT1 = CMOS Clear
17	JWF1 = Compact Flash Card Power Connector

MEMORY



**Memory Population for Optimal Performance
-For a Motherboard with One CPU (CPU1) Installed**

# DIMMS	CPU	Channel 1	Channel 2	Channel 3	Channel 4
4 DIMMs	CPU1	P1-1A	P1-2A	P1-3A	P1-4A

**Memory Population for Optimal Performance
-For a Motherboard with Two CPUs (CPU1 & CPU2) Installed**

# DIMMS	CPU	Channel 1	Channel 2	Channel 3	Channel 4
8 DIMMs	CPU1	P1-1A	P1-2A	P1-3A	P1-4A
	CPU2	P2-1A	P2-2A	P2-3A	P2-4A

Memory Population for Optimal Performance – For a Motherboard with Four CPUs (CPU1, CPU2, CPU3 & CPU4) Installed

# DIMMS	CPU	Channel 1	Channel 2	Channel 3	Channel 4
16 DIMMs	CPU1	P1-1A	P1-2A	P1-3A	P1-4A
	CPU2	P2-1A	P2-2A	P2-3A	P2-4A
	CPU3	P3-1A	P3-2A	P3-3A	P3-4A
	CPU4	P4-1A	P4-2A	P4-3A	P4-4A

DIMM Module Population Configuration

For memory to work properly, follow the tables below for memory installation:

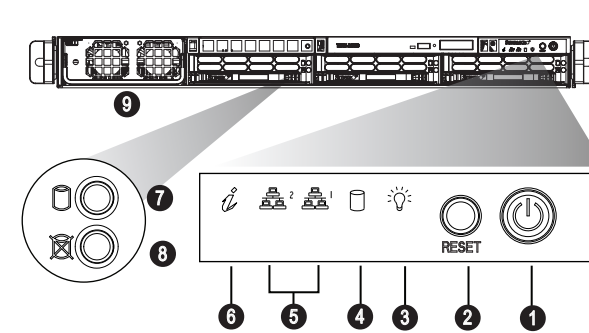
Per Channel DIMM Populations Options

DIMM Type	DIMM A	Max. MHz, 1.5V DIMMs	Max. MHz, 1.35V DIMMs	Max. GB/ Channel
UDIMM	SR or DR	1866 MHz	1600 MHz	8 GB
RDIMM	SR or DR	1866 MHz	1600 MHz	16 GB
	QR	1333 MHz	1333 MHz	32 GB
LRDIMM	QR		1333 MHz	32 GB

Note 1: Due to OS limitations, some operating systems may not show more than 4 GB of memory.

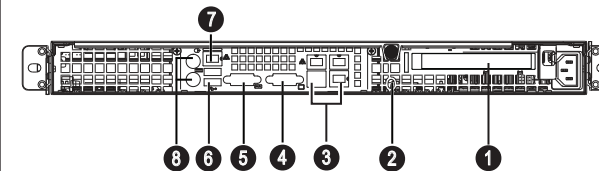
Note 2: Due to memory allocation to system devices, the amount of memory that remains available for operational use will be reduced when 4 GB of RAM is used. The reduction in memory availability is disproportional.

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
9	Power Supply

Rear View

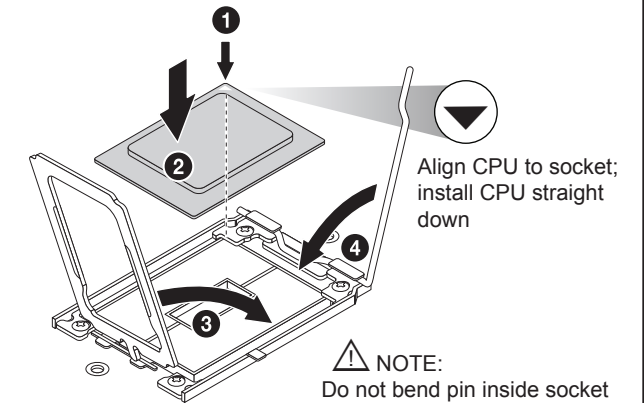


No.	Description
1	PCI Expansion Slot
2	UID Button
3	LAN 1 & LAN 2 Ports
4	VGA Port
5	COM Port
6	USB Ports
7	Dedicated LAN for IPMI
8	PS2 Keyboard & Mouse Ports

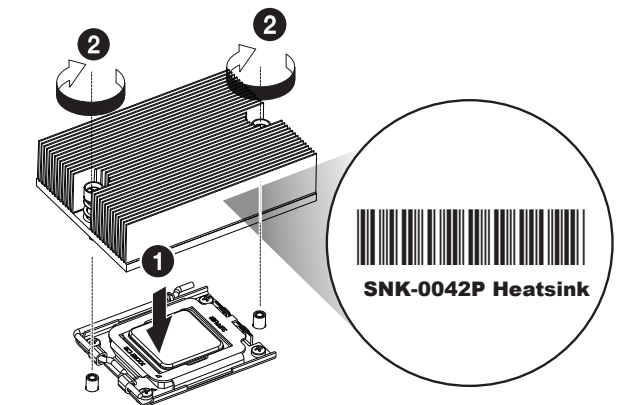
Beep Codes

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



Attach the barcode label as illustrated

- Place heatsink on top of installed CPU
- Line up the two screws to socket
- Push down heatsink and screw down as shown
- 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>

