

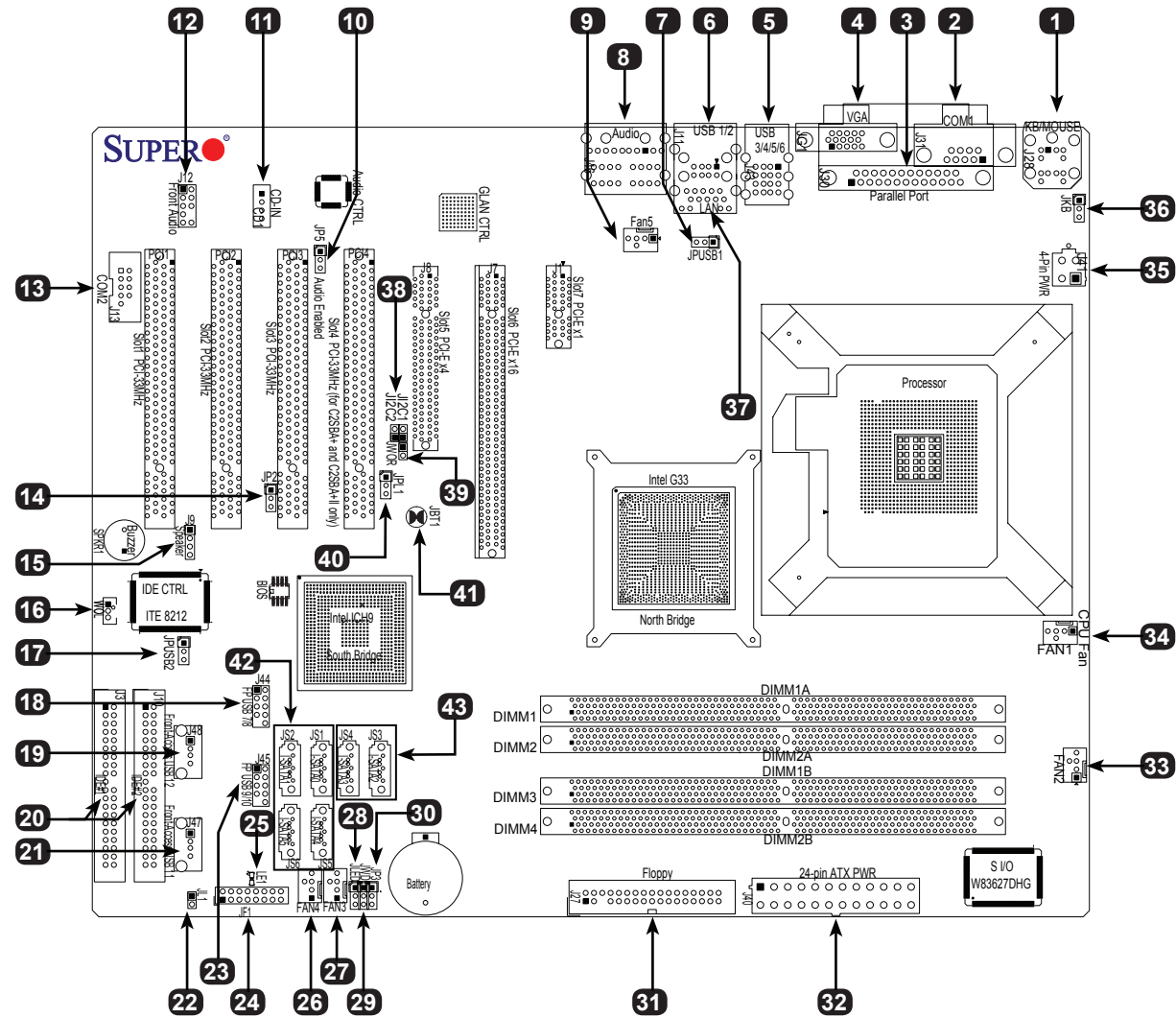
CONTACT INFORMATION

- www.supermicro.com (Email: support@supermicro.com)
- Manuals: <http://www.supermicro.com/support/manuals>
- Drivers & Utilities: <ftp://ftp.supermicro.com>
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS (Applies to individual-pack only)

- One (1) Supermicro Motherboard
- Six (6) SATA Cables (C2SBA+II only)
- Four (4) SATA Cables (for C2SBA, C2SBA+, and C2SBE)
- Two (2) IDE Hard Drive Cable (for C2SBA+II and C2SBA+ only)
- One (1) Floppy Drive Ribbon Cable
- One (1) Quick Reference Guide

Motherboard Layout and Features



Jumpers, Connectors and LED Indicators

Jumpers

Item #	Jumper	Description	Default
41	JBT1	CMOS Clear	See Chapter 2 in User Manual
36	JKB	Keyboard Enabled	Pins 1-2 (Enabled)
38	J12C1, J12C2	SMB to PCI Slots	Open/Open (Disabled)
14	JP2	ITE IDE Enabled (not available for C2SBE)	Pins 1-2 (Enabled)
30	JP3	TPM Enabled (not available for C2SBE)	Pins 1-2 (Enabled)
10	JP5	Audio Enabled	Pins 1-2 (Enabled)
40	JPL1	Giga-bit LAN Enable	Pins 1-2 (Enabled)
7	JPUSB1	Back Panel USB Wake Up	Pins 2-3 (Disabled)
17	JPUSB2	Front Panel USB Wake Up	Pins 2-3 (Disabled)
29	JWD	Watch Dog Enable	Pins 1-2 (Reset)

Connectors

Item #	Connector	Description
11	CD1 (CD-In)	Audio CD Input (CD In) Header
2, 13	COM1, COM2	COM Port / Serial Port Connectors
34, 33, 27, 26, 9	Fans 1-5	Fan1: CPU Fan, Fans 2-5: System/Chassis Fans
37	GLAN 1 (LAN)	LAN Port
20	IDE#1, IDE#2	IDE Hard Drive #1 & #2 (not available for C2SBE)
8	J46 (Audio)	Audio Port
12	J12 (Front Audio)	Front Panel Audio Connector
31	J27 (Floppy)	Floppy Disk Connector
24	JF1	Front Control Panel Header
15	J9 (Speaker)	Speaker Header
32	J40 (24-Pin ATX PWR)	ATX 24-Pin Power Connector
35	J41 (4-Pin PWR)	12V 4-pin Power Connector (required connection)
22	JL1	Chassis Intrusion Header
28	JLED	Onboard Power LED Indicator
1	J28 (KB/Mouse)	Keyboard and PS/2 Mouse
3	J30 (Parallel)	Parallel Printer Port
25	LE1	Standby Power LED Indicator
42	SATA 0, 1, 4, 5	SATA Headers
43	SATA 2, 3	SATA Headers (for C2SBA+II only)
6, 5	USB 1/2, 3-6	Back Panel USB Ports
18, 23	(FP) USB 7/8, 9/10	Front Panel USB Ports
21, 19	(FP) USB 11, 12	Front Accessible USB Ports
4	VGA	Video/Graphics Connector (not available for C2SBE)
16	WOL	Wake On LAN Header
39	JWOR	Wake On Ring Header

LED Indicators

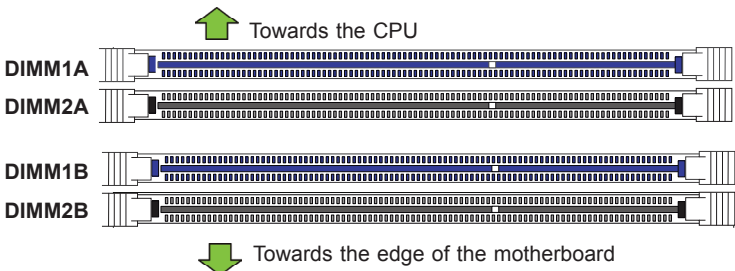
Item #	LED	Description
25	LE1	Onboard Stby PWR LED
28	JLED	Onboard Power LED Indicator

Memory Support

This motherboard supports up to 8 GB of Unbuffered (UDIMM) DDR2 Non-ECC 800/677 MHz memory in 4 memory slots.

Note: For memory optimization, use only DIMM modules that have been validated by Supermicro. For the latest memory updates, please refer to our website at <http://www.supermicro.com/products/motherboard>.

DIMM Installation



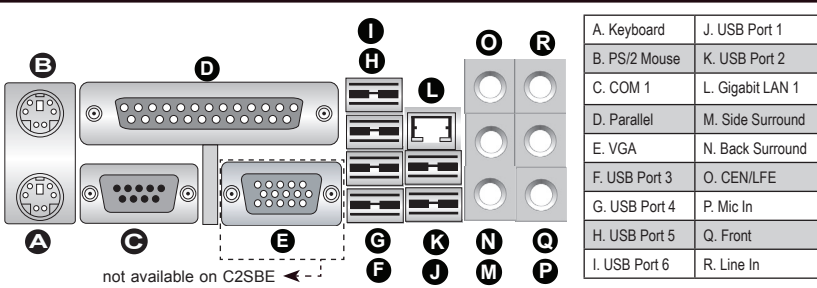
Possible System Memory Allocation & Availability

System Device	Size	Physical Memory Remaining (-Available) (4 GB Total System Memory)
Firmware Hub flash memory (System BIOS)	1 MB	3.99
Local APIC	4 KB	3.99
Area Reserved for the chipset	2 MB	3.99
I/O APIC (4 Kbytes)	4 KB	3.99
PCI Enumeration Area 1	256 MB	3.76
PCI Express (256 MB)	256 MB	3.51
PCI Enumeration Area 2 (if needed) -Aligned on 256-MB boundary-	512 MB	3.01
VGA Memory	16 MB	2.85
TSEG	1 MB	2.84
Memory available to OS and other applications		2.84

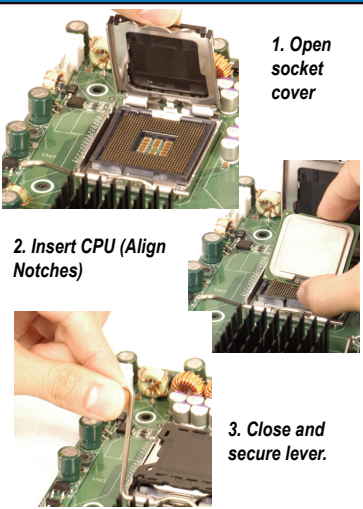
Notes:

1. Due to the OS limitations, some operating systems may not show more than 4GB of memory.
2. Both Unbuffered ECC and Non-ECC memory modules can be installed in the memory slots. However, the functionality of ECC is not supported by the chipset.

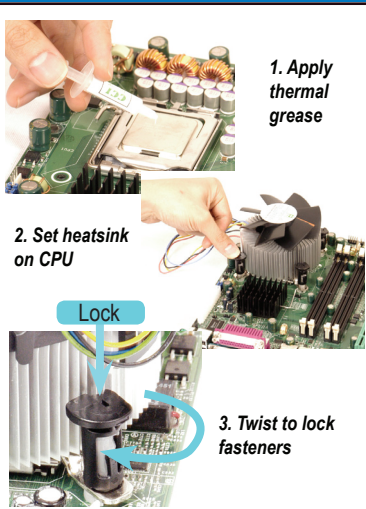
Back Panel IO Connectors



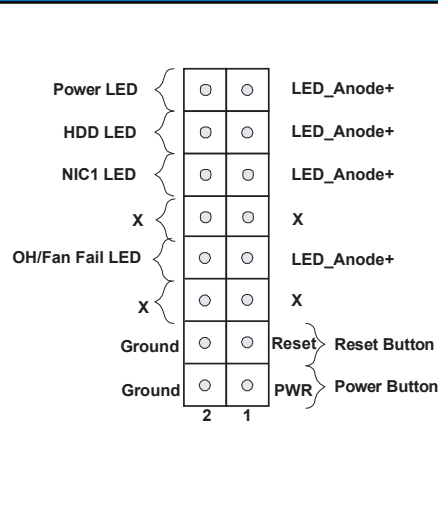
CPU Installation



Heatsink Installation



Front Panel Control (JF1)



Note: Graphics shown in this quick reference guide are for illustration only. Your components may or may not look exactly the same as drawings shown in this guide.

Note: Refer to Chapter 1 of the User Manual for detailed information on jumpers, connectors, and LED indicators.

Note: Refer to Chapter 2 of the User Manual for detailed information on memory support and CPU/motherboard installation instructions.