

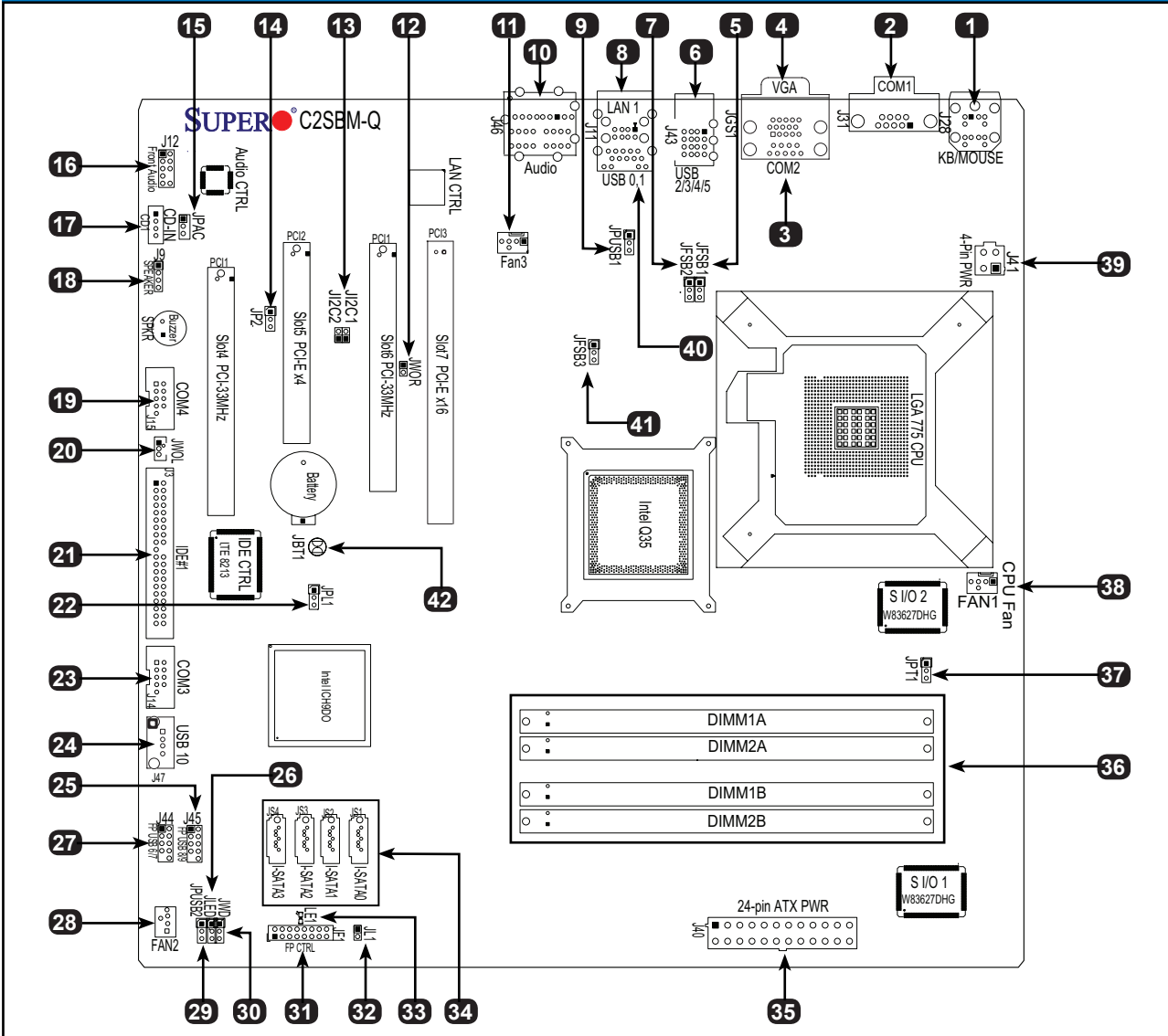
CONTACT INFORMATION

- 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
- Four (4) SATA Cables
- One (1) IDE Hard Drive Cable
- One (1) I/O Shield
- One (1) Quick Reference Guide

Motherboard Layout and Features



Jumpers, Connectors and LED Indicators

Jumpers			
Item #	Jumper	Description	Default
5, 7, 41	JFSB1/JFSB2/JFSB3	Front Side Bus Frequency	All Pins 1-2 (Auto)
9	JPUSB1	USB Wake-up Enable	Pins 1-2 (Enabled)
13	JIPCI1/JIPCI2	SMB to PCI Slots	Open/Open (Disabled)
14	JP2	IDE Device Enable	Pins 1-2 (Enabled)
15	JPAC	Audio Enable	Pins 1-2 (Enabled)
22	JPL1	Giga-bit LAN Enable	Pins 1-2 (Enabled)
29	JPUSB2	USB Wake-up Disable	Pins 2-3 (Disabled)
30	JWD	Watch Dog Timer Out	Pins 1-2 (Reset)
37	JPT1	Trusted Platform Module Enable	Pins 1-2 (Enabled)
42	JBT1	CMOS Clear	See Chpt. 2 in User Manual

Connectors		
Item #	Connector	Description
1	J28	PS/2 Keyboard/Mouse
2, 3, 19, 23	COM1, COM2, COM4, COM3	COM Port/Serial Port 1-4 Connectors
4	VGA	Video/Graphics Connector (JG1)
6	USB 2-5	(Back Panel) USB Ports
8	LAN	Ethernet (Gigabit LAN) Connector
10	J46	Audio Port
11, 28, 38	Fan 2, Fan 3, Fan 1	Fan 1: CPU Fan, Fan 2/3: Chassis Fan Headers
12	JWOR	Wake-on-Ring Header
16	J12	Front Panel Audio Connector
17	CD1	Audio CD Input Header
18	J9	Buzzer/Speaker (Pins 3-4 Internal Buzzer, Pins 1-4 External Speaker)
20	JWOL	Wake-on-LAN Header
21	IDE	IDE # 1 Connector
24	USB 10	Vertical USB Port (J47)
25, 27	USB 8/9, 6/7	(Front Panel) USB Headers 6-7 (J44), 8-9 (J45)
26	JLED	Onboard Power LED Indicator
31	JF1	FP Control Panel Header
32	JL1	Chassis Intrusion Header
34	(I) SATA 0,1,2,3	SATA Headers (See note page 1-7)
35	ATX PWR	ATX 24-Pin Power Connector
36	DIMM 1A, 2A, 1B, 2B	Memory Slots
39	J41	12V 4-Pin Power Connector
40	USB 0-1	(Back Panel) USB Ports

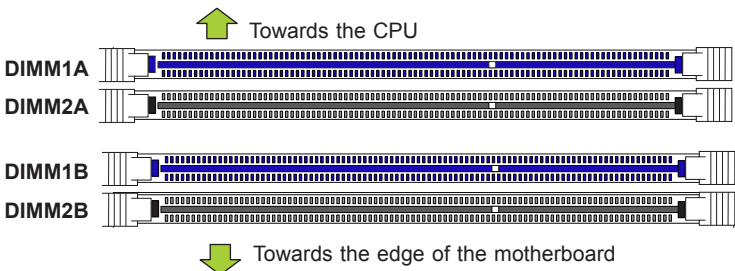
LED Indicators				
Item #	LED	Description	Color/State	Status
33	LE1	Onboard Stby PWR LED	Green: Solid on	Power On

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>.

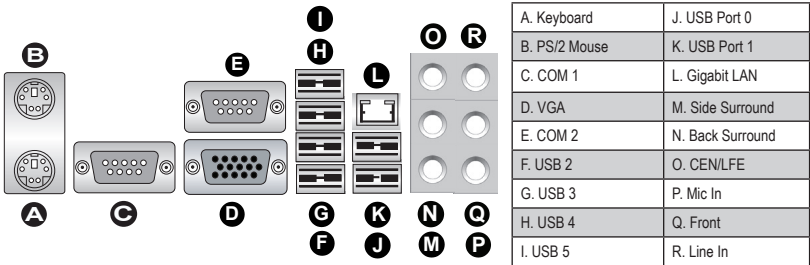
DIMM Installation



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

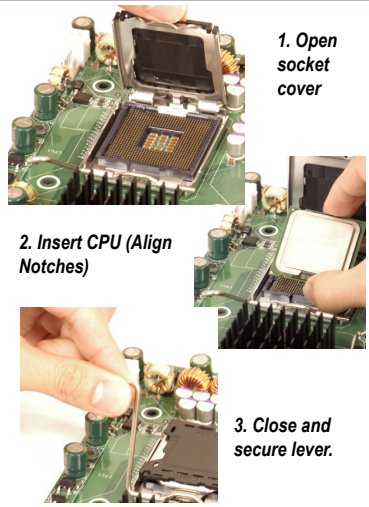
- Notes:**
1. Due to the OS limitations, some operating systems may not show more than 4GB of memory.
 2. Both Unbuffered ECC and Non-ECC memory modules can be installed in the memory slots. However, the functionality of ECC is not supported by the chipset.

Back Panel IO Connectors

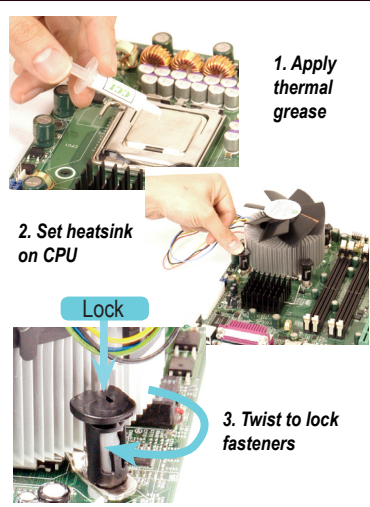


A. Keyboard	J. USB Port 0
B. PS/2 Mouse	K. USB Port 1
C. COM 1	L. Gigabit LAN
D. VGA	M. Side Surround
E. COM 2	N. Back Surround
F. USB 2	O. CEN/LFE
G. USB 3	P. Mic In
H. USB 4	Q. Front
I. USB 5	R. Line In

CPU Installation



Heatsink Installation



Front Panel Control (JF1)

Power LED	16	15	LED_Anode+
HDD LED			LED_Anode+
NIC1 LED			LED_Anode+
X			X
OH/Fan Fail LED			LED_Anode+
X			X
Ground			Reset Button
Ground			Power Button
	2	1	

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 2 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.