

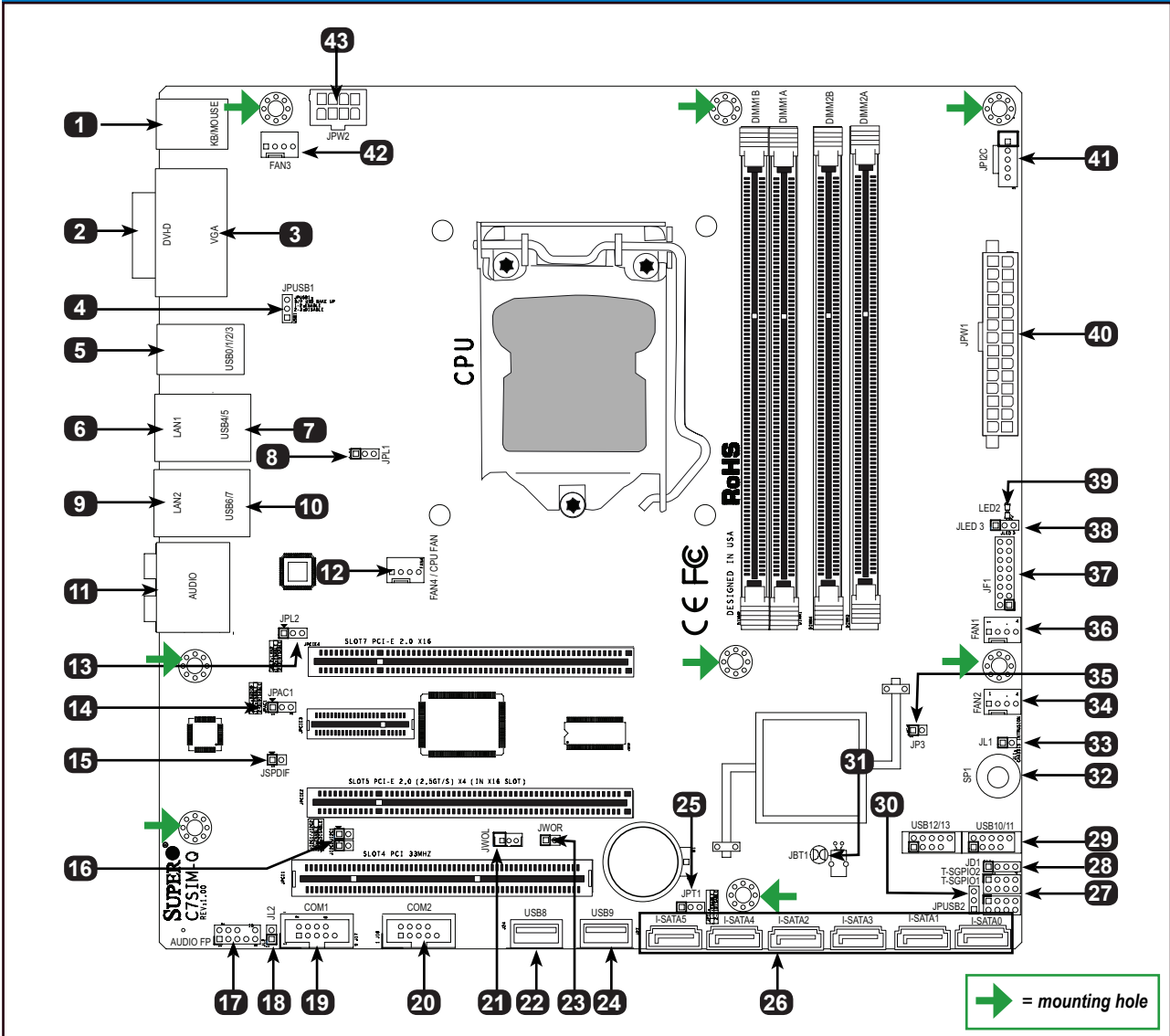
CONTACT INFORMATION

- 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) I/O Shield
- One (1) Quick Reference Guide

Motherboard Layout and Features



Jumpers, Connectors and LED Indicators

Jumpers

Item #	Jumper	Description	Default
31	JBT1	CMOS Clear	See Chapter 2 in User Manual
16	J12C1/J12C2	SMB to PCI Slots	Open/Open (Disabled)
14	JPAC1	Audio Enable	Pins 1-2 (Enabled)
4, 30	JPUSB1, JPUSB2	USB Wake-up Enable (JPUSB1: Back Panel, JPUSB2: Front Panel)	Pins 1-2 (Enabled)
28	JD1	External Buzzer/Speaker	Pins 3-4 (Internal Buzzer)
8	JPL1	LAN1 Enable/Disable	Pins 1-2 (Enabled)
13	JPL2	LAN2 Enable/Disable	Pins 1-2 (Enabled)
25	JPT1	Trusted Platform Module Enable	Pins 2-3 (Disabled)
35	JP3	Intel Management Engine	Open (Enabled)
18	JL2	AC97/HD Audio Selector (Front Panel)	Open (HD Audio), Closed (AC97)

Connectors

Item #	Connector	Description
40	JPW1	ATX 24-Pin Power Connector
19, 20	COM1, COM2	Serial Port 1 & 2 Headers
12, 34, 36, 42	Fans 4,2,1,3	Fan 4: CPU Fan, Fan 1/2/3: Chassis Fan Headers
27	T-SGPIO-0/1	Serial General Purpose IO headers
37	JF1	FP Control Panel Header
33	JL1	Chassis Intrusion Header
38	JLED3	Onboard Power LED Connector
3	VGA	Video/Graphics Connector
21	JWOL	Wake-on-LAN Header
23	JWOR	Wake-on-Ring Header
32	SP1	Onboard Speaker/Buzzer
2	DVI	Digital Visual Interface (DVI-D)
17	J5	Front Panel Audio Header Connector
1	KB/Mouse	PS/2 Keyboard/Mouse
43	JPW2	12V 8-Pin Power Connector
11	J6	Back Panel Audio Ports
6	LAN1	RJ45 Connector for LAN1
9	LAN2	RJ45 Connector for LAN2
26	SATA 0,1,2,3,4,5	SATA Connectors
5	USB 0, 1, 2, 3	(Back Panel) USB Ports
7, 10, 22, 24	USB 4/5, 6/7, 8, 9	(Back Panel) USB Ports
29	USB 10/11, 12/13	Front Panel USB Headers
41	JPI2C	PWR supply (I ² C) System Management Bus
15	JS/PDIF	S/PDIF Header

LED Indicators

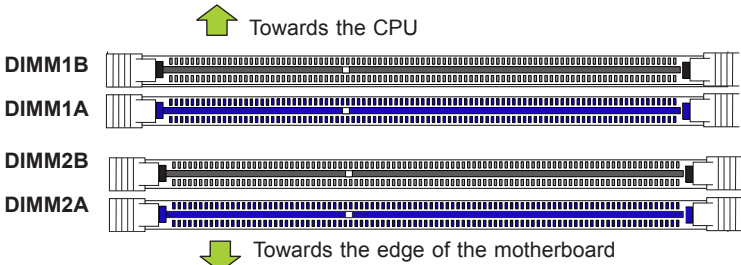
Item #	LED	Description	Color/State	Status
39	LED2	Standby Power LED Indicator	On: Solid Green	Power On

Memory Support

This motherboard supports up to 16 GB of Unbuffered (UDIMM) DDR3 Non-ECC 800/1066/1333 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>.

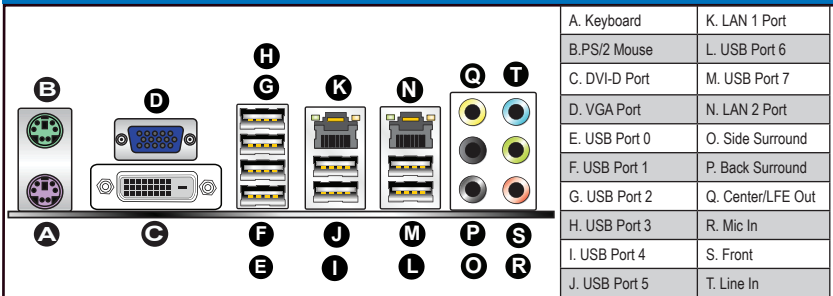
DIMM Installation



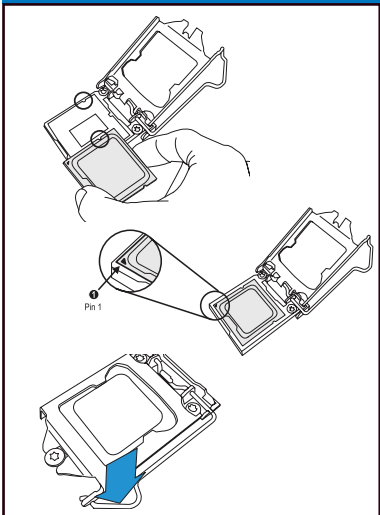
Possible System Memory Allocation & Availability

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

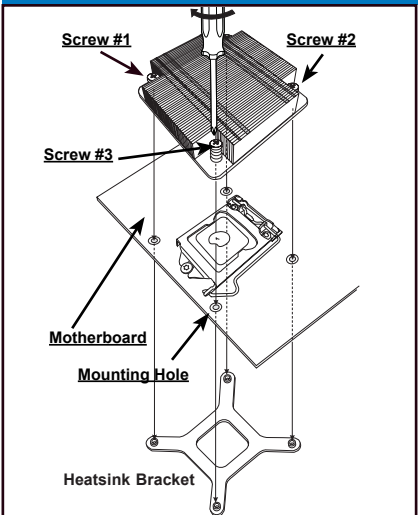
Back Panel IO Connectors



CPU Installation



Heatsink Installation



Front Panel Control (JF1)

Power LED	LED_Anode+
HDD LED	LED_Anode+
NIC1 LED	LED_Anode+
NIC2 LED	LED_Anode+
OH/Fan Fail LED	LED_Anode+
Power Fail LED	LED_Anode+
Ground	Reset
Ground	PWR

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.