

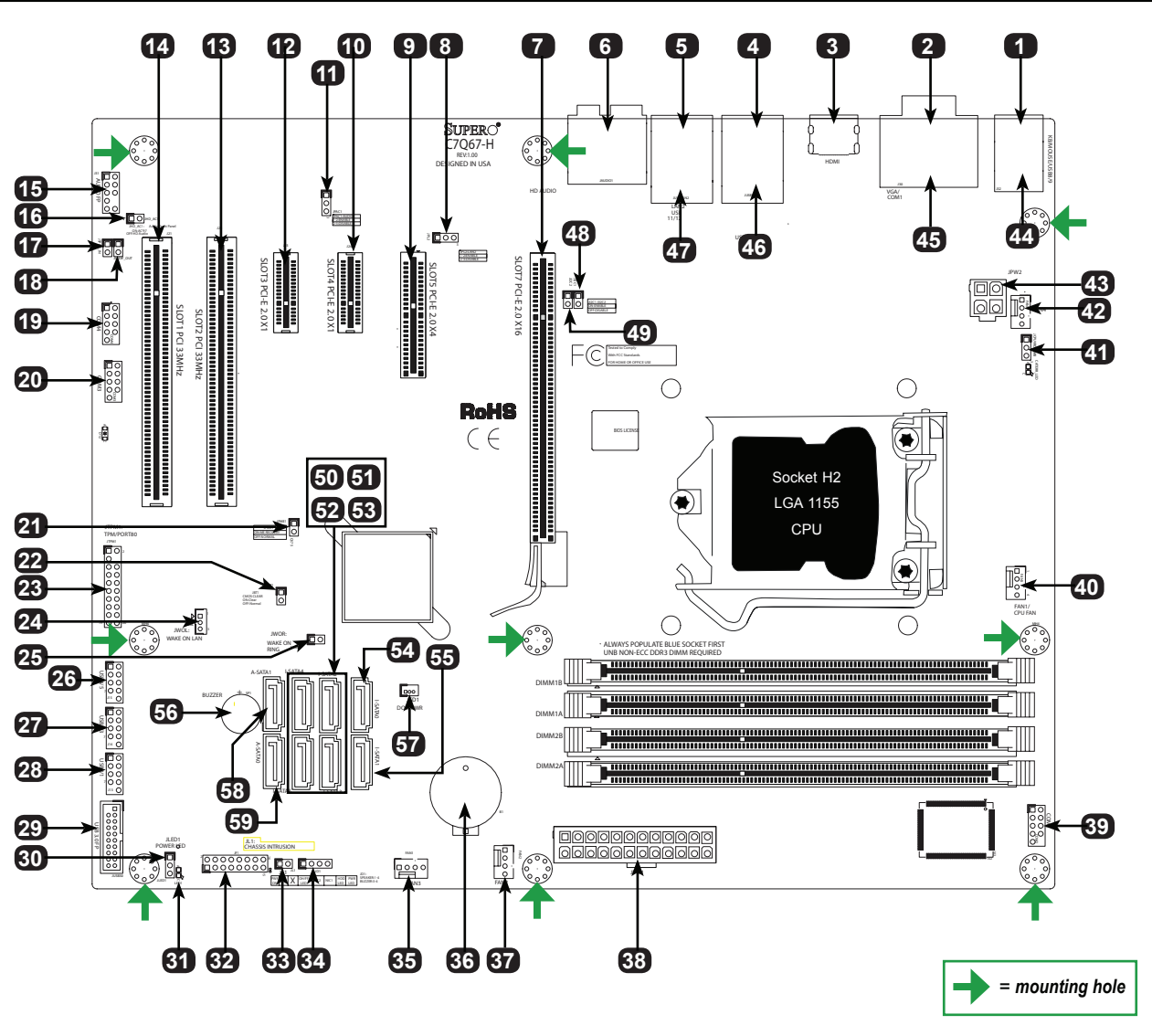
CONTACT INFORMATION

- 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
- Two (2) 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
8	JPL2	LAN2 Disable/Enable	Pins 1-2 (Enabled)
11	JPAC1	Audio Enable	Pins 1-2 (Enabled)
16	JHD_AC1	High Def FP Audio/AC 97' FP Audio	See Chpt. 2 in User Manual
21	JPME1	Intel ME Mode Select	Off (Normal)
22	JBT1	CMOS Clear	See Chpt. 2 in User Manual
48, 49	JI²C1/JI²C2	SMB to PCI Slots	Off (Disabled)

Connectors

Item #	Connector	Description
1	KB/Mouse	Keyboard/Mouse Connectors
2, 19, 20, 39	COM1, COM4, COM3, COM2	COM1 Port (back panel), COM 2/3/4 Serial Port Hdr
3	HDMI	Back Panel HDMI Port
4, 5	LAN1, LAN2	Gigabit (RJ45) Ports (LAN1, LAN2)
6	HD Audio	High-Definition Audio Connectors (on I/O back panel)
7	Slot 7	PCI-Express 2.0 x16 Slot
9	Slot5	PCI-Express 2.0 x4 Slot
10, 12	Slot4, Slot3	PCI-Express 2.0 x1 Slot
13, 14	Slot2, Slot1	PCI 33MHz Slot (5V)
15	Audio FP	Front Panel Audio Header
17, 18	JSPDIF_In/JSPDIF_Out	SPDIF_(Sony/Phillips Digital Interface)_In/Out Hdrs
24	JWOL	Wake On LAN Header
25	JWOR1	Wake On Ring Header
26, 27, 28	USB 4/5, USB 2/3, USB 0/1	Front Panel Accessible USB 2.0 Headers 0/1, 2/3, 4/5
29	USB 3.0 FP	Front Panel Accessible USB 3.0 Header 0/1
30	JLED1	Power LED Indicator Header
32	JF1	Front Panel Control Header
33	JL1	Chassis Intrusion Header
34	JD1	External Speaker (Pins 1~4) / Buzzer (Pins 1~2)
35, 37, 40, 42	Fan3, Fan2, Fan1, Fan4	System/CPU Fan Headers (Fan1: CPU Fan)
36, 56	B1, SP1	Onboard Battery, Internal Speaker/Buzzer
38	JPW1	24-Pin ATX Main Power Connector (Required)
41	JCPUVRD SMB	PWM SMB programming header (for debugging)
43	JPW2	+12N 4-pin CPU Power Connector (Required)
44	USB 8/9	Back Panel USB 2.0 8/9
45	VGA	Back Panel VGA Port
46, 47	USB 10/13, USB 11/12	Back Panel USB 2.0 Ports 11-12, and Ports 10/13
50, 51, 52, 53	I-SATA2~I-SATA5	(Intel Q67) Serial ATA (SATA 2.0) Ports 2~5 (3Gb/s)
54, 55	I-SATA0, I-SATA1	(Intel Q67) Serial ATA (SATA 3.0) Ports 0/1 (6Gb/s)
57	JSD1	SATA DOM (Device On Module) Power Connector
58, 59	A-SATA1, A-SATA0	(ASMedia) Serial ATA (SATA 3.0) Ports 0/1 (6Gb/s)

LED Indicators

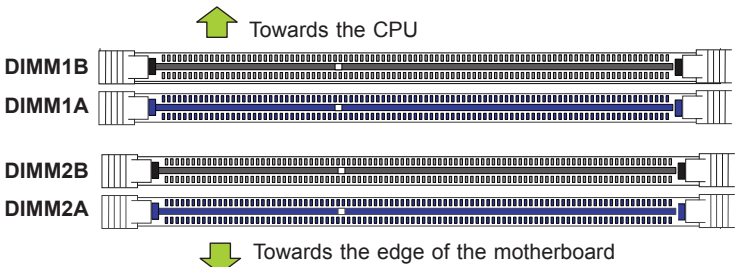
Item #	LED	Description	Color/State	Status
31	LED1	Onboard Stby PWR LED	Green: Solid on	Power On

Memory Support

This motherboard supports up to 32 GB of Unbuffered (UDIMM) DDR3 ECC 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



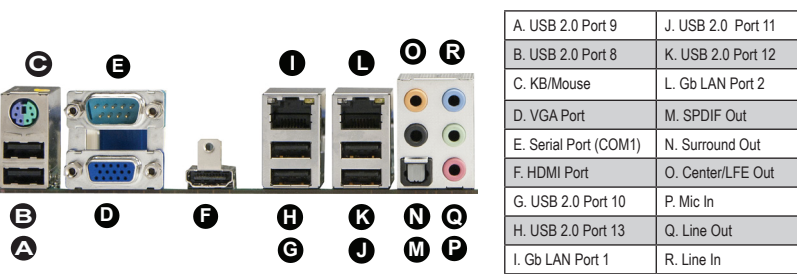
Memory Population Guidelines

Please follow the table below when populating the C7Q67-H.

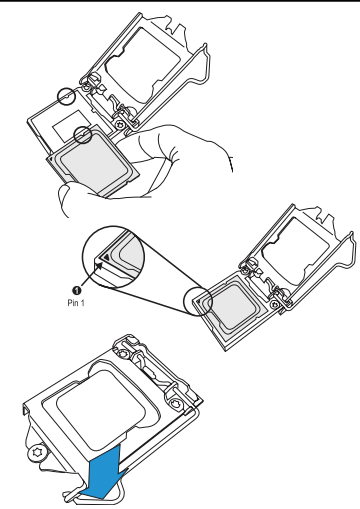
DDR3 Unbuffered Non-ECC (UDIMM) Memory				
DIMM Slots per Channel	DIMMs Populated per Channel	DIMM Type	POR Speeds	Ranks per DIMM (any combination)
2	1	Unbuffered DDR3	1066, 1333	Single Rank, Dual Rank
2	2	Unbuffered DDR3	1066, 1333	Single Rank, Dual Rank

Note: 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. See the following table for details.

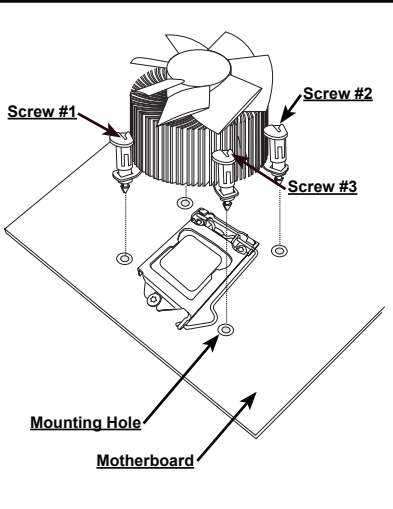
Back Panel IO Connectors



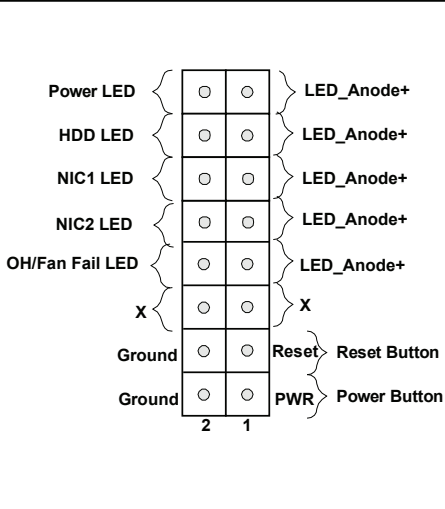
CPU Installation



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 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.