

CONTACT INFORMATION

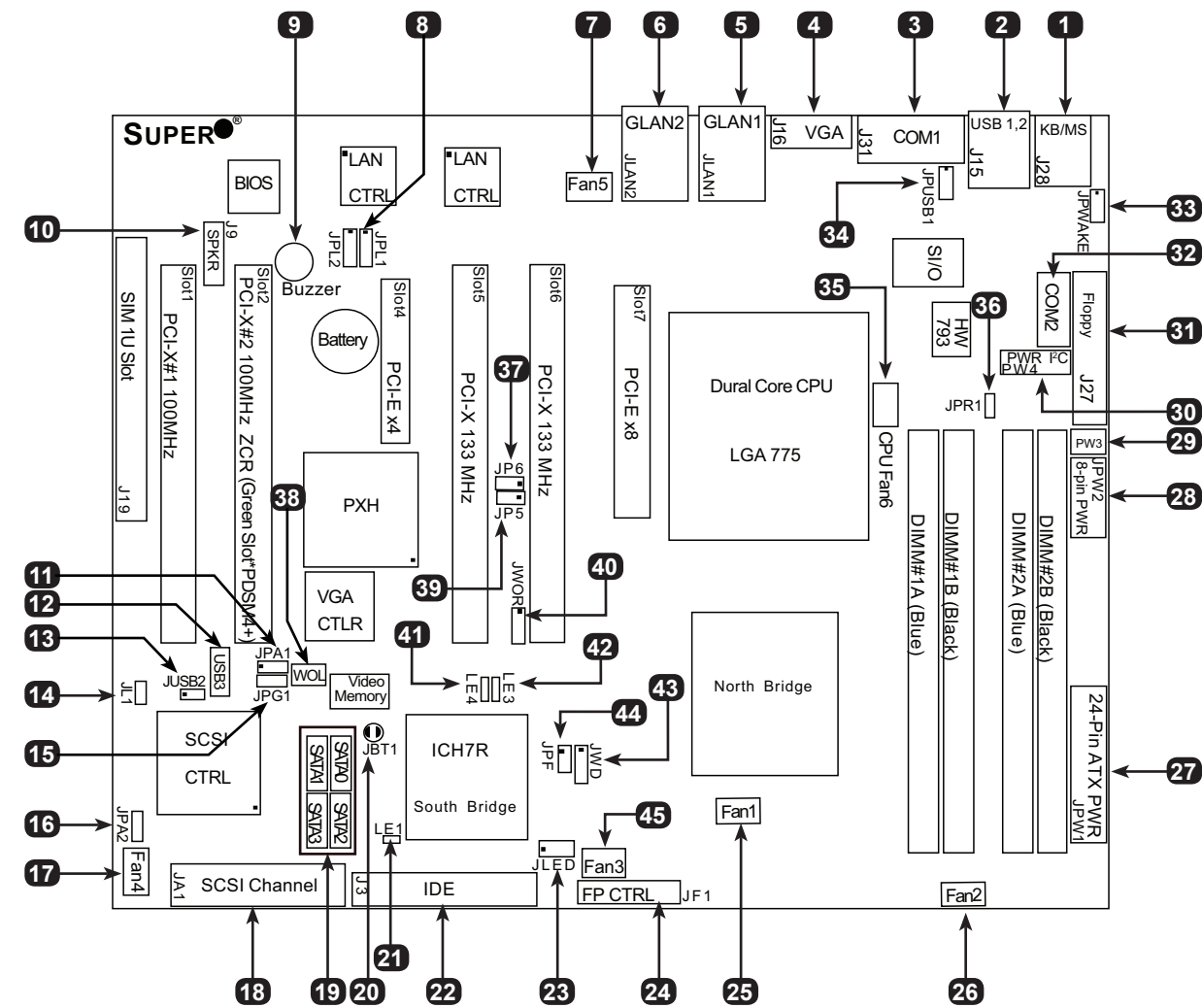
- www.supermicro.com (Email: support@supermicro.com)
- Manuals: <http://www.supermicro.com/support/manuals>
- Drivers & Utilities: <ftp://ftp.supermicro.com>
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS (Applies to individual-pack only)

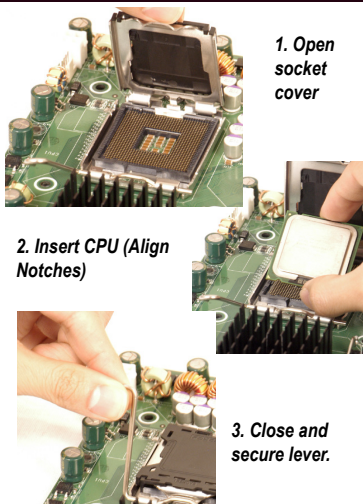
- One (1) Supermicro Motherboard
- One (1) IDE Cable
- Four (4) SATA Cables (for PDSME+ only)
- Two (2) SATA Cables (for PDSM4+ only)

- One (1) Floppy Drive Ribbon Cable
- One (1) SCSI Cable (PDSM4+ only)
- One (1) I/O Shield
- One Quick Reference Guide

Motherboard Layout and Features

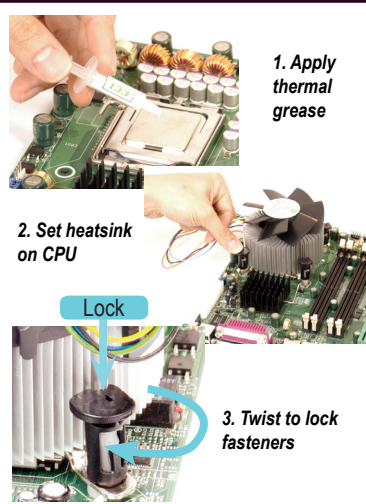


CPU Installation

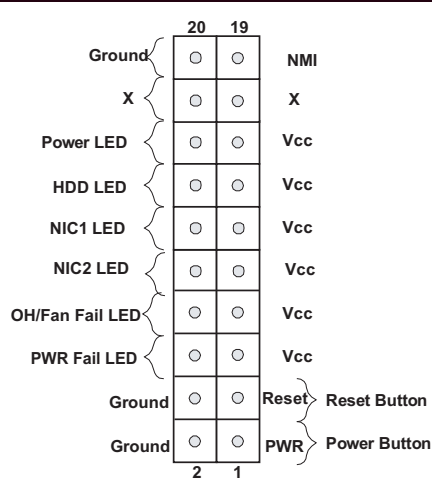


 **Note:** Graphics shown in this quick reference guide are for illustration only. Your components may or may not look exactly the same as drawings shown in this guide.

Heatsink Installation



Front Panel Control (JF1)



Jumpers, Connectors and LED Indicators

Jumpers

Item #	Jumper	Description	Default
8	JPL1, JPL2	Giga-bit LAN1/LAN2 Enable	Pins 1-2 (Enabled)
11	JPA1 (PDSM4+ only)	SCSI Channel Enable	Pins 1-2 (Enabled)
13, 34	JPUSB2 (FP), JPUSB1 (BP)	FP/BP USB Wakeup Enable	Pins 1-2 (Enabled)
15	JPG1	VGA Enable	Pins 1-2 (Enabled)
16	JPA2 (PDSM4+ only)	SCSI Channel Termin. Enable	Open (Enabled)
20	JBT1	CMOS Clear	See Sec 2-7 in User Manual
33	JPWAKE	Keyboard/Mouse Enable	Pins 1-2 (Enabled)
37, 39	JP6, JP5	SMB to PCI Slots	Open/Open (Disabled)
43	JWD	Watch Dog Enable	Pins 1-2 (Reset)
44	JPF	Power Force-On	Open (Disabled)

Connectors

Item #	Connector	Description
1	KB/MS	PS/2 Keyboard and Mouse Connector
2	USB 1/2	Back Panel Universal Serial Bus Ports 1 & 2
3, 32	COM1, COM2	COM Port 1 & COM 2 Header
4	VGA	VGA Connector
5, 6	GLAN1, GLAN2	Ethernet RJ45 (Gigabit LAN) Port1 & Port2 Connectors
7, 17, 35	Fan 5, Fan4, Fan6	Chassis/System Fan Headers; CPU: Fan6
9	Buzzer	Internal Buzzer
10	Speaker (J9)	Buzzer/Speaker Connector
12	USB 3	Front Panel Accessible USB 3 & 4 Header
14	JL1	Chassis Intrusion Header
18	SCSI (JA1)	SCSI Channel Connector (PDSM4+ only)
19	SATA 0~3	SATA Headers
22	IDE (J3)	IDE Connector
23	JLED	PWR LED
24	JF1	Front Panel Control Header
25, 26, 45	Fan1, Fan2, Fan3	Chassis/System Fan Headers
27	24-Pin ATX PWR (JPW1)	ATX 24-Pin Power Connector
28	8-Pin ATX PWR (JPW2)	12V 8-Pin Power Connector (required)
29	PW3	Power Fault Header (See Chapter 2 in User Manual)
30	PWR I ² C (PW4)	Power SMBus (I ² C)
31	Floppy (J27)	Floppy Disk Connector
36	JPR1	Alarm Reset header
38	WOL	Wake On LAN Header
40	JWOR	Wake On Ring Header

LED Indicators

Item #	LED	Description
21	LE1	Onboard +5V Standby PWR warning LED Indicator
41, 42	LE4, LE3	BIOS POST Code Indicator

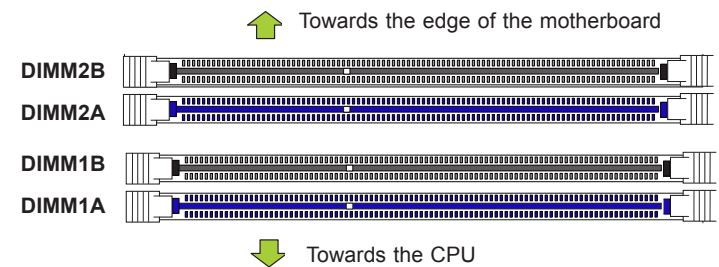
 **Note:** Refer to Chapter 1 of the User Manual for detailed information on jumpers, connectors, and LED indicators.

Memory Support

This motherboard supports up to 8GB of dual/single channel ECC/Non-ECC unbuffered DDR2 667/533/400 MHz SDRAM 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 Memory Installation



Memory Population Guidelines

When installing memory modules, the DIMM slots should be populated in the following order: DIMM1A, DIMM2A and DIMM1B, DIMM2B.

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 I/O Connectors

