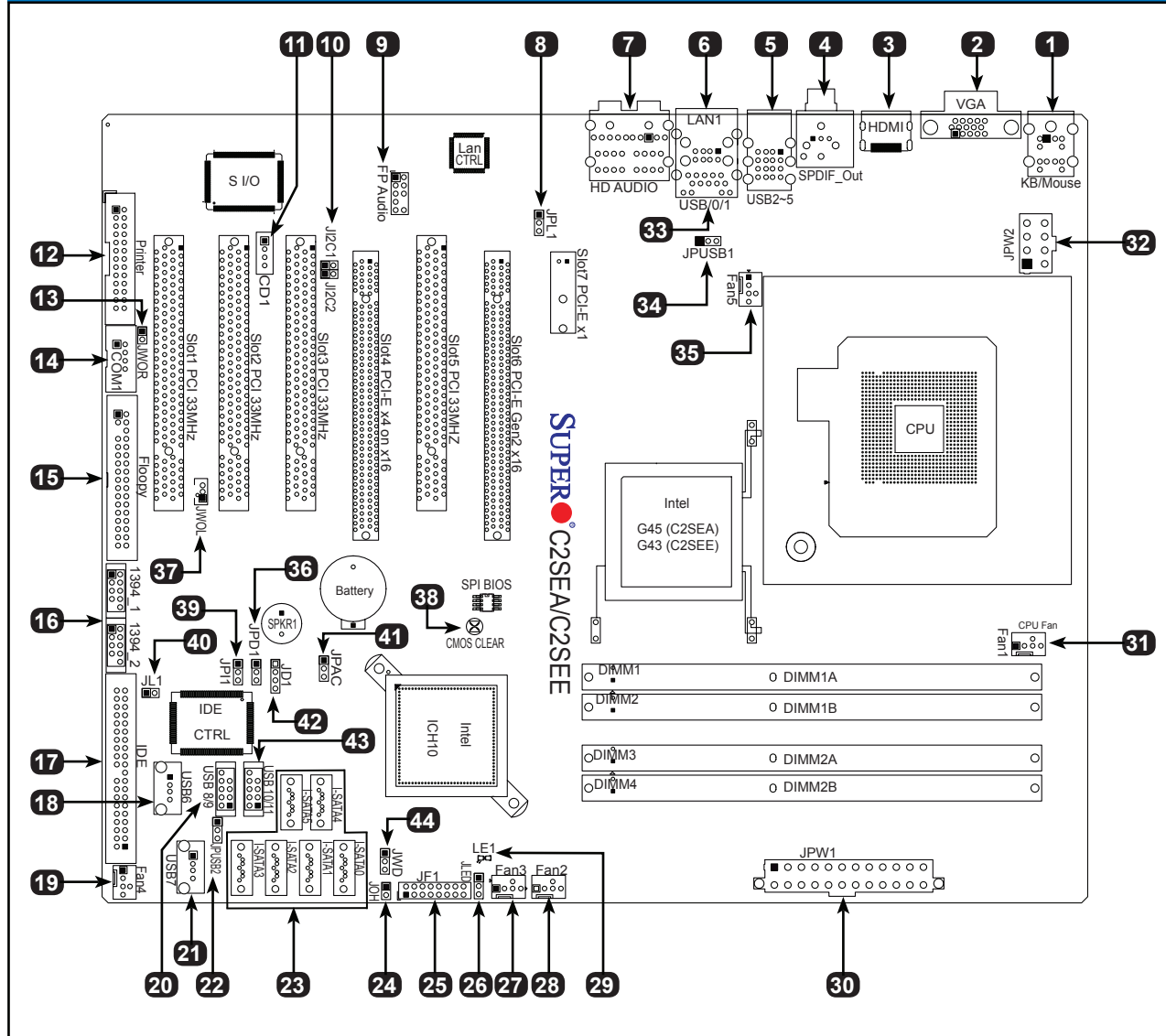


Motherboard Layout and Features



Jumpers, Connectors and LED Indicators

Jumpers			
Item #	Jumper	Description	Default
8	JPL1	Gigabit LAN 1 Enable	Pins 1-2 (Enabled)
10	J12C1, J12C2	SMB to PCI Slots	Open (Disabled)
22, 34	JPUSB2, JPUSB1	USB 6-11, USB 2-5 Enable	Pins 1-2 (Enabled)
36	JPD1 (C2SEA only)	IDE Enable	Pins 1-2 (Enabled)
38	JBT1	CMOS Clear	See Chapter 2 in User Manual
39	JPI1 (C2SEA only)	1394_1/ 1394_2 Enable	Pins 1-2 (Enabled)
41	JPAC	Audio Enable	Pins 1-2 (Enabled)
42	JD1	Onboard Speaker Enable	Pins 3-4 (Enabled)
44	JWD	Watch Dog Timer Out	Pins 1-2 (Reset)

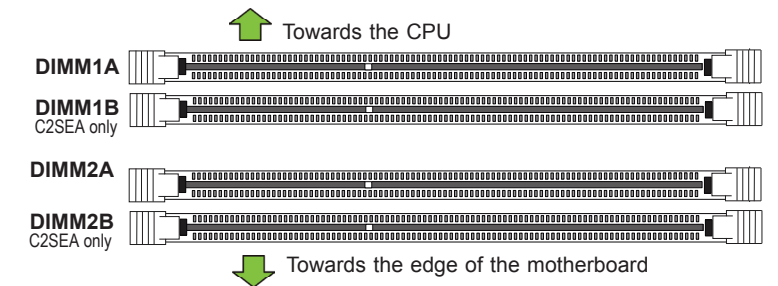
Connectors		
Item #	Connector	Description
1	KB/Mouse	PS/2 Keyboard and Mouse
2	VGA	Video Graphics Connector
3	HDMI	HD Multimedia Interface Connector (C2SEA only)
4	SPDIF_Out	Sony/Phillips Digital Interface Format_Out Header
5, 33	USB 2-5, 0/1	Back Panel Universal Serial Ports
6	LAN1	Ethernet RJ45 (Gigabit LAN) Connector
7	HD Audio	Backplane HD Audio Header,
9	FP Audio	Front Panel Audio
11	CD1	Audio CD Input
12	Printer	Printer (Parallel) Header
13	JWOR	Wake-On Ring Header
14	COM 1	COM 1 Header
15	Floppy	Floppy Disk Connector
16	1394_1, 1394_2	1394_1 and 1394_2 Headers (C2SEA only)
17	IDE	IDE Connector
18, 20, 21, 43	USB 6, 8/9, 7, 10/11	Front Panel Accessible USB Headers
19, 27, 28, 31, 35	Fans 4, 3, 2, 1, 5	Fan 1: CPU Fan, Fans 2-5: Chassis/System Fans
23	I-SATA 0-5	SATA Headers 0-5
24	JOH	Overheat LED
25	JF1	FP Control Panel Header
26	JLED	Onboard Power LED Indicator
30	JPW1	ATX 24-Pin Power Connector
32	JPW2	12 V 8-Pin Power Connector
37	JWOL	Wake-on-LAN Header
40	JL1	Chassis Intrusion Header

LED Indicators				
Item #	LED	Description	Color/State	Status
29	LE1	Standby Power LED	On: Solid Green	Power On

Memory Support

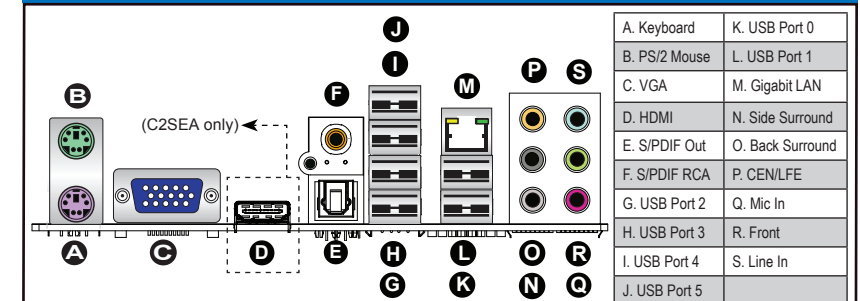
The C2SEA motherboard supports up to 8 GB of Unbuffered (UDIMM) DDR3 Non-ECC 800/1066/1333 MHz memory in 4 memory slots.
 The C2SEE motherboard supports up to 4 GB of Unbuffered (UDIMM) DDR3 Non-ECC 800/1066/1333 MHz memory in 2 memory slots.
Note: For memory optimization, use only DIMM modules that 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

1. Open socket cover
2. Insert CPU (Align Notches)
3. Close and secure lever.

Heatsink Installation

1. Apply thermal grease
2. Set heatsink on CPU
3. Twist to lock fasteners

Front Panel Control (JF1)

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

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.