

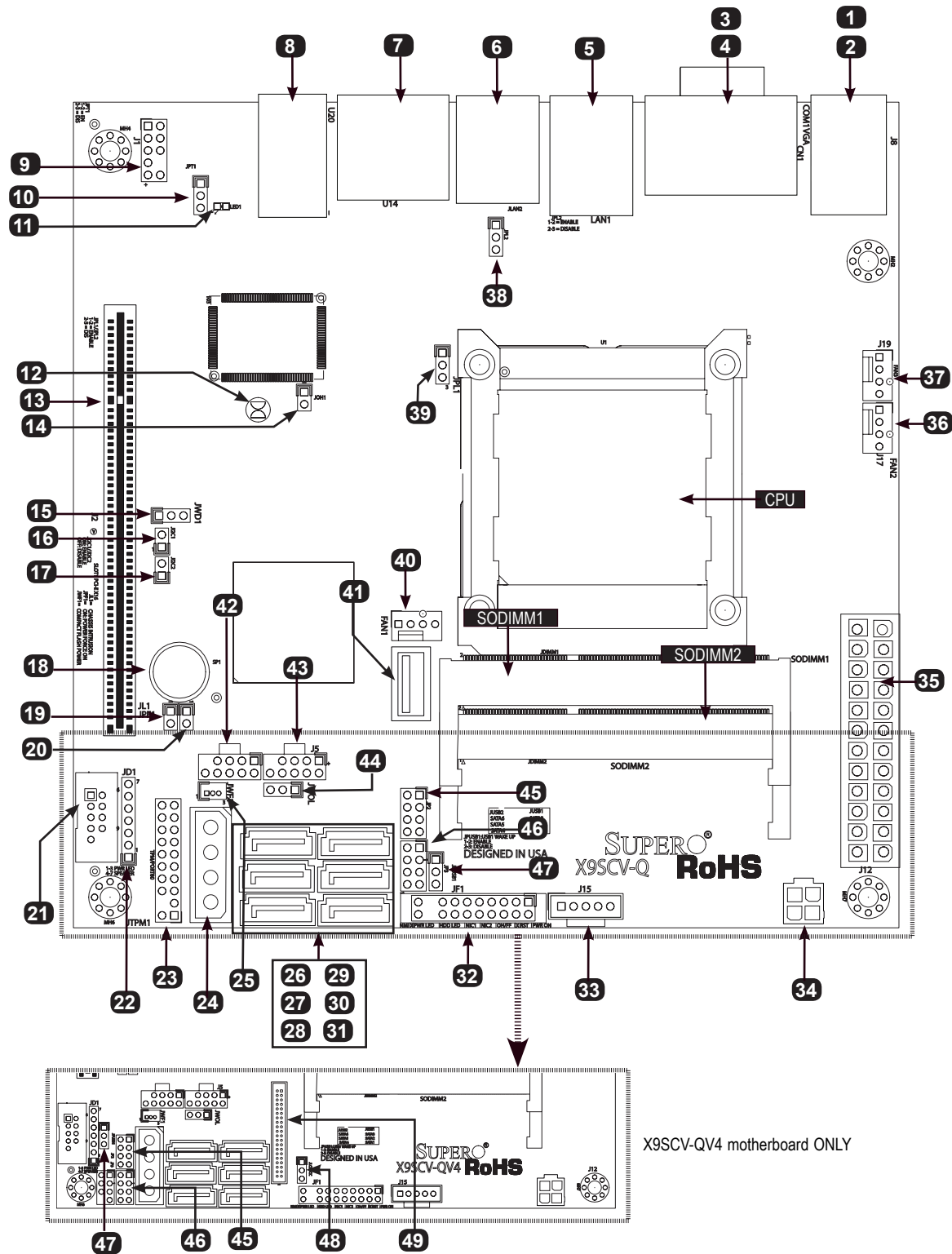
**CONTACT INFORMATION**

- 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](http://www.supermicro.com/about/policies/safety_information.cfm)

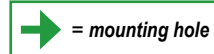
**PACKAGE CONTENTS** (Applies to individual pack only)

- One (1) Supermicro Motherboard
- One (1) Active Heatsink
- Six (6) SATA Cables
- One (1) I/O Shield
- One (1) Quick Reference Guide

**Motherboard Layout and Features**



Note: On the X9SCV-QV4 motherboard, JPUSB1, JP2 and JP3 are on different locations as illustrated above. An LVDS port and jumper JLCDVCC have also been added. There is no support for a TPM header.



**Jumpers, Connectors and LED Indicators**

**Jumpers**

Item #	Jumper	Description	Default
10	JPT1	Trusted Platform Module (TPM) Enable	Pins 1-2 (Enabled)
12	JBT1	CMOS Clear	Short contact pads to clear CMOS
15	JWD1	Watch Dog Timer	Pins 1-2 (Reset)
16,17	J12C1/J12C2	SMB to PCI Slots	Open (Disabled)
19	JPF1	Power Force On (X9SCV-Q only)	Open (Disabled)
38,39	JPL2/JPL1	LAN1/LAN2 Enable	Pins 1-2 (Enabled)
44	JWOL	Wake On LAN	Pins 1-2 (Enabled)
47	JPUSB1	USB Wake-up	Pins 1-2 (Enabled)
48	JLCDVCC	LVDS Voltage Select, 3.3V or 5V	Pins 2-3 (3.3v)

**Connectors**

Item #	Connector	Description
1	PS/2	PS/2 Mouse and Keyboard Combo Back Panel Connector
2,8	J8, U20	USB4/5, USB0~3 Back Panel Connectors
3,21	COM1, JP1 (COM2)	COM1 Back Panel Serial Port, COM2 Internal Serial Header
4	VGA	VGA Back Panel Port
5,6	LAN1/LAN2	LAN1/LAN2 Back Panel Ports
7	U14	HDMI1 (Top), HDMI2 Back Panel Ports
9	J1	Front Panel Audio Header
11	LED1	Power LED
13	SLOT1	PCI-E x16 Gen 2 Slot
14	JOH1	Overheat LED Header
18	SP1	Onboard Speaker/Buzzer
20	JL1	Chassis Intrusion Header
22	JD1	Power LED/Speaker Header
23	TPM1	TPM Header (X9SCV-Q only)
24	J9	4-pin 12V Power Source for internal Hard Drive/DVD Drive
25	JWF1	DOM Power Connector
26~31	I-SATA 5,4,3,2,1,0	SATA Connectors (White connectors: SATA 3, Black: SATA 2)
32	JF1	Front Panel Control Header
33	JPI2C	JPI2C, PWR supply (I2C) System Management Bus
34	J16	4-Pin ATX Power Connector (X9SCV-QV4 Only)
35	J12	24-Pin ATX Power Connector (X9SCV-Q Only)
36,37,40	FAN2, FAN3, FAN1	CPU Fan, System Fan and Auxilliary Fan Headers
41	JUSB1	USB12 (Type A Internal USB Ports)
42,43	J7, J5	USB10/11, USB6/7 Internal USB Headers
45,46	JP2, JP3	SGPIO 1, SGPIO 2 (Serial General Purpose I/O) headers
49	LVDS	LVDS Header (X9SCV-QV4 only)

**CPU Support**

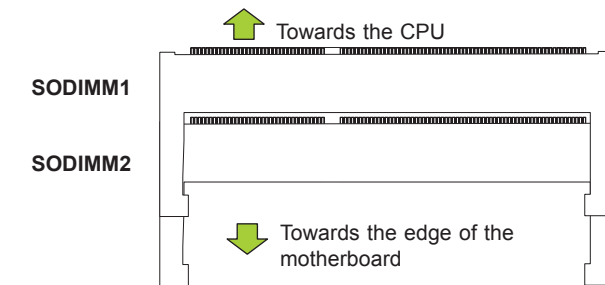
- Q/-QV4: Intel® 2nd Generation Core i7/i5/i3 and Celeron Processor B800 series up to 45W in a G2 (rPGA 988B) socket.
- QV4 PCB2.01 also supports Intel 3rd Generation Core i7/i5/i3 Processor series up to 35W.

**Memory Support**

This motherboard supports up to 16 GB of DDR3 Non-ECC SODIMMs 1066/1333 MHz memory in two slots. Supported SODIMM sizes: 2GB, 4GB, 8GB.

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>.

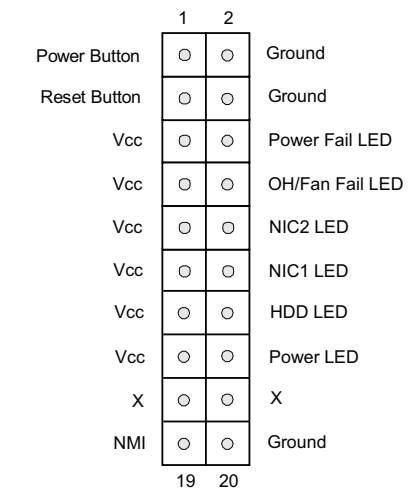
**DIMM Installation**



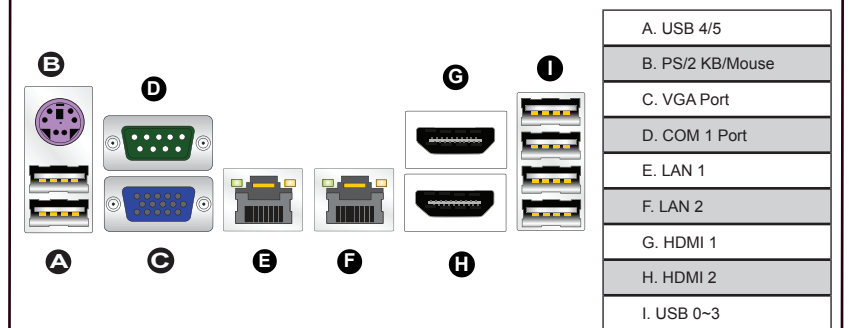
**Memory Population Guidelines**

When installing memory modules, the SODIMM slots should be populated in the following order: SODIMM1, SODIMM2.

**Front Panel Control (JF1)**



**Back Panel IO Connectors**



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.