

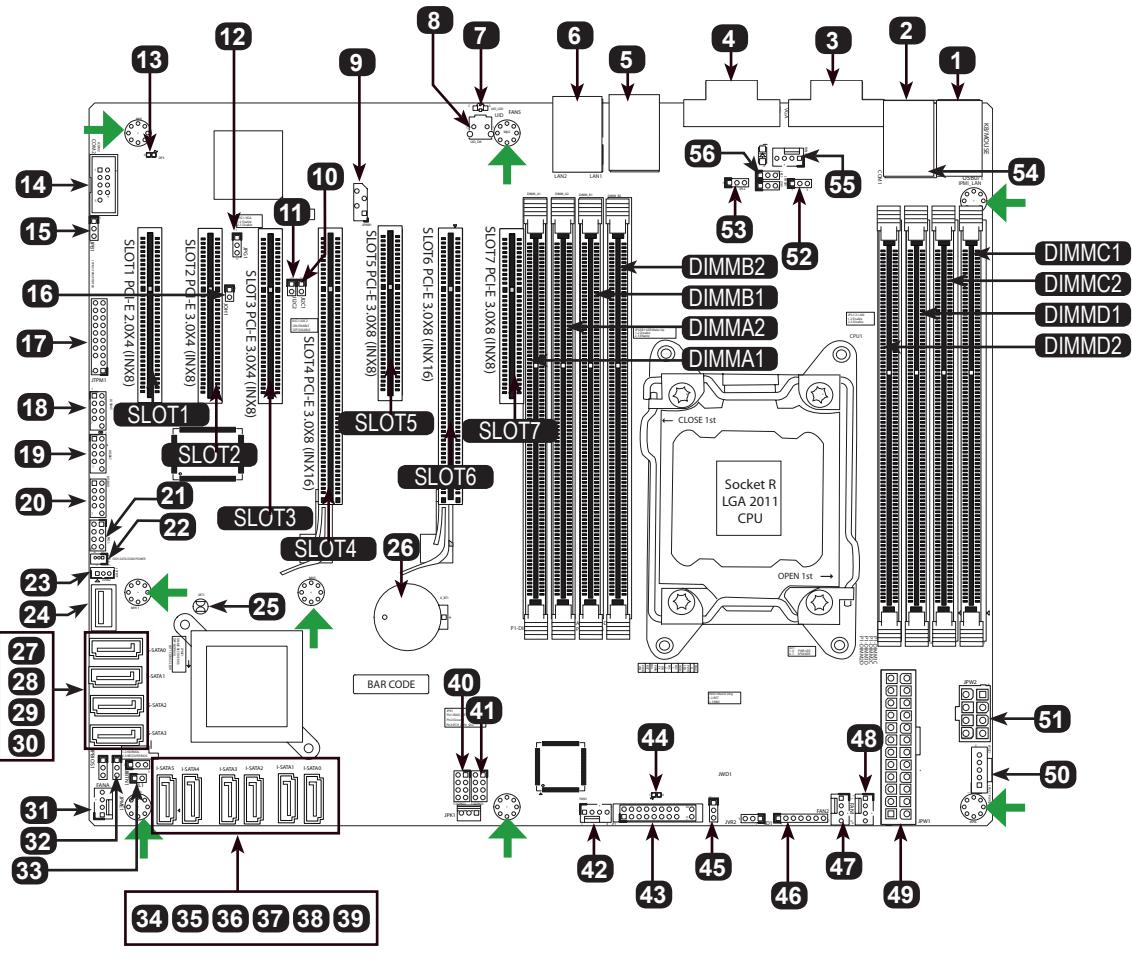
**CONTACT INFORMATION**

- [www.supermicro.com](http://www.supermicro.com) (Email: support@supermicro.com)
- Manuals: <http://www.supermicro.com/support/manuals>
- Drivers & Utilities: [ftp://ftp.supermicro.com](http://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
- Eight (8) 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	UID SW	Unit ID Switch	Off (Disabled)
10, 11	J1C1 / J1C2	SMB to PCI Slots	On (Enabled)
12	JPG1	Onboard VGA Enable	Pins 1-2 (Enabled)
15	JPB1	IPMI/BMC Enable (X9SRL-F only)	Pins 1-2 (Enabled)
25	JBT1	Clear CMOS	See Chapter 2 in User Manual
32	JPME1	ME update	Pins 1-2 (Normal)
45	JWD1	Watch Dog Timer Reset	Pins 1-2 (Reset)
52	JPUSB1	USB0/1 Wake Up	Pins 1-2 (Enabled)
53, 56	JPL2 / JPL1	LAN1 / LAN2 Enable	Pins 1-2 (Enabled)

Connectors			
Item #	Connector	Description	
1	KB/MS	Keyboard / Mouse Port	
2	USB 0/1	Back panel USB ports (USB0 and USB1)	
3, 14	COM1/COM2	Serial port (COM1) and header (COM2)	
4	VGA	Onboard VGA Port	
5, 6	LAN1 / LAN2	LAN1 / LAN2 Ethernet Ports (1Gb)	
9	JIPMB1	System Management Bus Header for IPMI	
16	JOH1	Overheat LED/Fan Fail	
17	JTPM1	TPM header	
18, 19, 20	JUSB 4/5, 6/7, 8/9	Internal USB headers (USB4 ~ USB9)	
21	SCU-SGPIO1	Serial Link General Purpose I/O Header	
22	JSD1	Disk On Module Power Connector	
23	JSTBY1	Legacy Wake On LAN Header	
24	JUSB2	Internal Type A USB port (USB2)	
26	BT1	Onboard Battery Backup	
27, 28, 29, 30	S-SATA0~S-SATA3	Internal SATA ports 0~3 (3Gb/s, RAID 0,1,5,10) via SCU	
31	FANA	Thermal fan header for I/O add-on cards	
33	JL1	Chassis Intrusion Header	
34, 35, 36, 37	I-SATA5~I-SATA2	Internal SATA ports 2~5 (3Gb/s) via PCH	
38, 39	I-SATA1~I-SATA0	Internal SATA ports 0~1 (6Gb/s) via PCH	
41, 40	T-SGPIO1 / T-SGPIO2	Serial Link General Purpose I/O Headers (5V Gen1/Gen 2)	
42, 47, 48, 55	FAN #3, #2, #1, #4	System thermal fan headers (FAN1~FAN4)	
43	JF1	Front Panel Control Header	
46	JD1	Power LED / Speaker Header (Pins 4~7: External Speaker)	
49	JPW1	24-pin Main ATX Power Connector	
50	JPI2C1	Power Supply SMBus I2C Header	
51	JPW2	8-pin Secondary Power Connector	
54	IPMI	IPMI LAN Port (X9SRL-F only)	

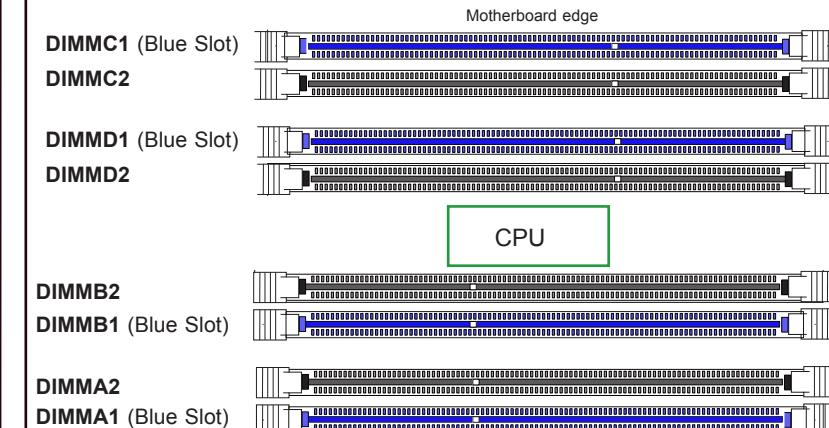
LED Indicators			
Item #	Jumper	Description	Default
7	UID LED	Unit ID LED Indicator	Blue (Steady): UID Switch On
13	DP3	IPMI Heartbeat	Green (Blinking): IPMI Enabled
44	DP2	Power On	Green (Steady): Power On

**Memory Support**

The X9SRL Motherboard Series supports up to 256GB of 1600/1066/1333 MHz ECC/Non-ECC DDR3 DIMMs in eight (8) memory slots (UDIMM/RDIMM).

**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, populate the DIMM slots in the following order: DIMMA1, DIMMB1, DIMMC1, DIMMD1 then DIMMA2, DIMMB2, DIMMC2, DIMMD2. Populate the blue-colored slots first.

- Always use DDR3 DIMM modules of the same size, type and speed.
- Mixed DIMM speeds can be installed. However, all DIMMs will run at the speed of the slowest DIMM.
- The motherboard will support odd-numbered modules installed (1, 3, 5, or 7 modules). However, for best memory performance, install DIMM modules in pairs.

**Recommended Population (Balanced)**

DIMMA1	DIMMB1	DIMMC1	DIMMD1	DIMMA2	DIMMB2	DIMMC2	DIMMD2	Total
2GB	2GB							4GB
2GB	2GB	2GB	2GB					8GB
2GB	12GB							
2GB	16GB							

**Note:** The motherboard supports up to 256GB of total memory. Please consult the user's manual for more populating options.

**Back Panel I/O Connectors**

