

CONTACT INFORMATION

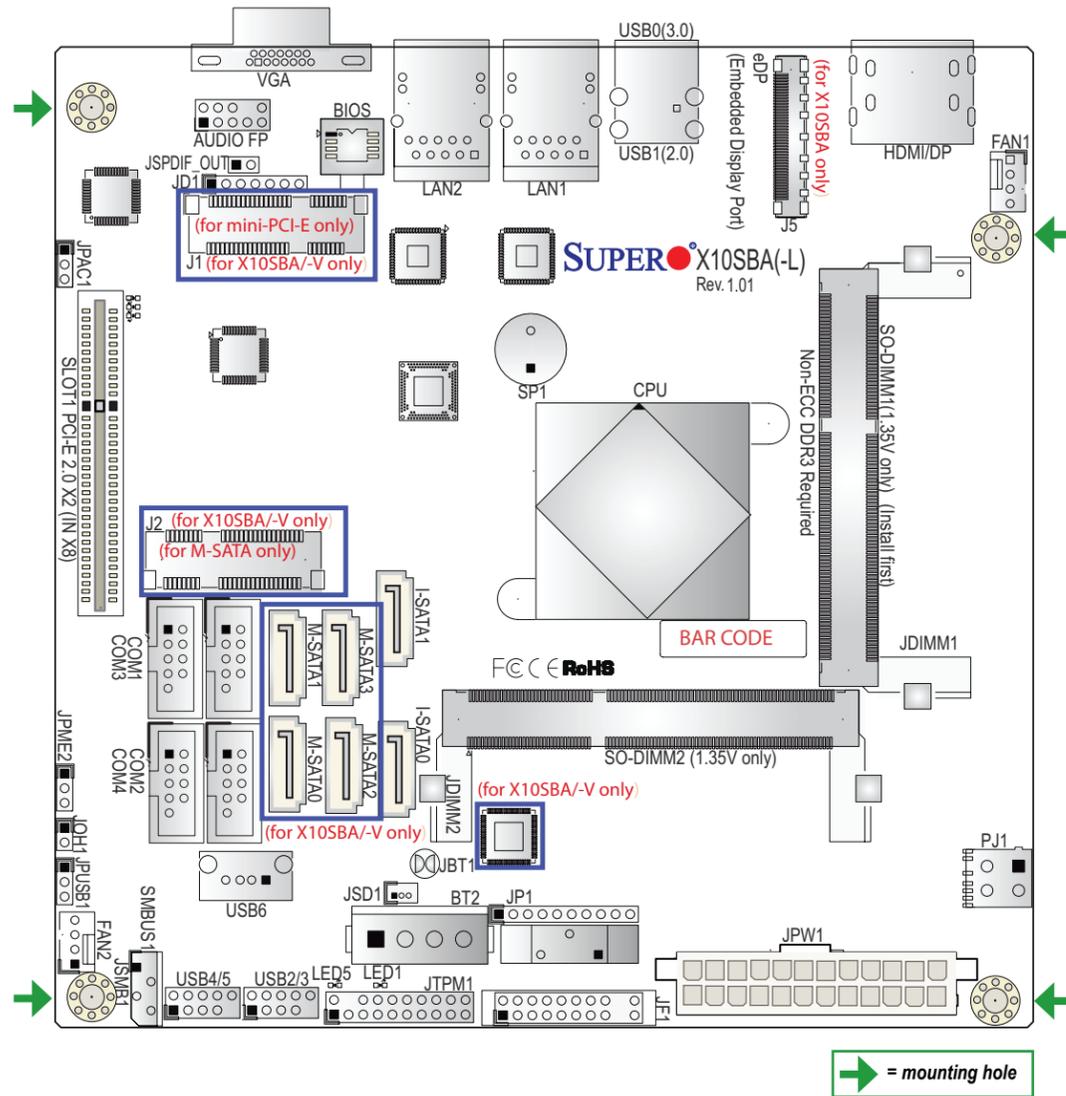
- www.supermicro.com (Email: support@supermicro.com)
- Manuals: http://www.supermicro.com/support/manuals
- Drivers & Utilities: https://www.supermicro.com/wftp/driver/
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS

- One (1) Supermicro Motherboard
- Six (6) SATA Cables (2 cables for the -L model)
- One (1) I/O Shield
- One (1) Quick Reference Guide



Motherboard Layout and Features



Jumpers/Connectors/LED Indicators

Jumpers		
JBT1	CMOS Clear	Open: Normal Operation (Default) Short: Clear CMOS
JPAC1	Audio Enable	Pins 1-2 (Enabled)
JPME2	Intel Manufacturer Mode Select	Pins 1-2 (Normal)
JPUSB1	USB Wake Up Enable	Pins 1-2 (Enabled)

Connectors	
Connector	Description
Audio FP	Front Panel Audio Header
Battery	Onboard Battery (BT2)
COM1-COM4	COM Headers
FAN1/FAN2	System Fan Headers
HDMI/DP	HDMI/DisplayPort (Back panel)
J1	mini-PCI-E Slot for a mini-PCI-E Card (Not available on the -L model)
J2	mSATA slot MUX (Multiplexer/Switch) with I-SATA1 (Not available on the -L model)
J4 (Slot1)	PCI-E 2.0 x 2 in x8 Slot
J5 (eDP)	Embedded DisplayPort (eDP) (for X10SBA only)
JD1	Power LED/Speaker Header (Pins 1-3: Power LED, Pins 6-7: Internal Buzzer, Pins 4-7: External Speaker)
JF1	Front Control Panel Header
JOH1	Overheat LED Indicator Header
JP1	General Purpose I/O Header
JPW1	24-pin ATX Power Connector (Optional Power Source)
JSD1	SATA DOM (Device On Module) Power Connector
JSPDIF_OUT	S/PDIF (Sony/Phillips Digital Interconnect Format) Audio Output Header
JTPM1	Trusted Platform Module/Port 80 Connector
LAN1/LAN2	Gigabit (RJ45) Ports (LAN1/2)
PJ1	4-pin 12V DC Power Connector (Optional Power Source up to 144W)
I-SATA0/1	(Intel) Serial ATA (SATA 2.0) Ports 0/1
M-SATA0/1/2/3	(Marvell 88SE9230) Serial ATA (SATA 3.0) Ports 0-3 (Not available on the -L model)
SMBUS1 (JSMB1)	4-Pin External System Management Bus I ² C Header (JSMB1) (for slave device)
SP1	Internal Speaker/Buzzer
USB 0	Back panel USB 3.0 Port 1
USB 1	Back panel USB 2.0 Port 2
USB 2/3, USB 4/5	Front Accessible USB 2.0 Connections: USB 2/3 (USB 3 is available on the -L model) USB 4/5 (Not available on the -L model)
USB 6	Front Accessible Type A USB 2.0 Connector (Not available on the -L model)
VGA	Back panel VGA Port

LED Indicators			
LED	Description	Color/State	Status
LED1	Main Power LED	Green: On	Power On
LED5	Standby Power LED	Green: On	AC On

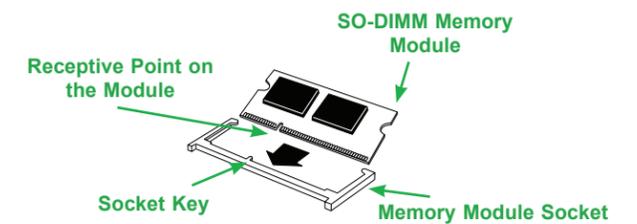
Memory Support

The X10SBA/-L/-V supports up to 8 GB of DDR3L (1.35, Low Voltage) Non-ECC SO-DIMM of up to 1333 MHz in two horizontal sockets. Populating these DIMM slots with a pair of memory modules of the same type and same size will result in interleaved memory, which will improve memory performance.

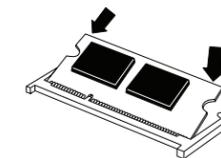
DIMM Memory Installation

Insert the desired number of SO-DIMMs into the memory slots, starting with SO-DIMM1, then SO-DIMM2.

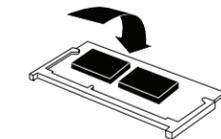
1. Align the receptive point on the bottom of the SO-DIMM module against the key on the memory socket. Note the notches on the side of the SO-DIMM module and those on the socket to avoid causing damage.



2. Line up the bottom of the SO-DIMM memory module with the edge of the horizontal socket.

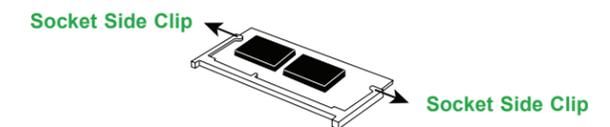


3. Once they are lined up, push the memory module into the memory socket until the module is securely seated in the socket.

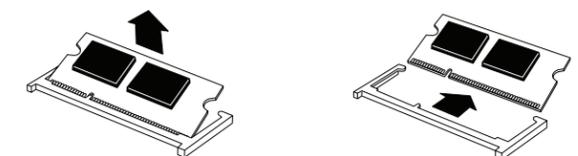


DIMM Memory Removal

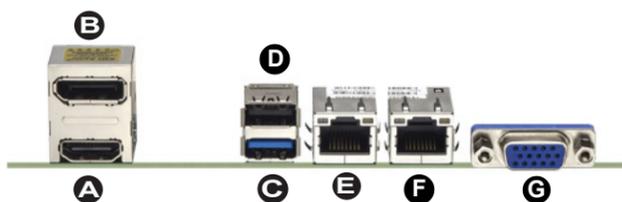
1. Use your thumbs to gently push the side clips on both ends of the socket away from the SO-DIMM module to release it from the locked position.



2. Once the memory module is loosened from the socket, pull it upwards and outwards to remove it from the socket.

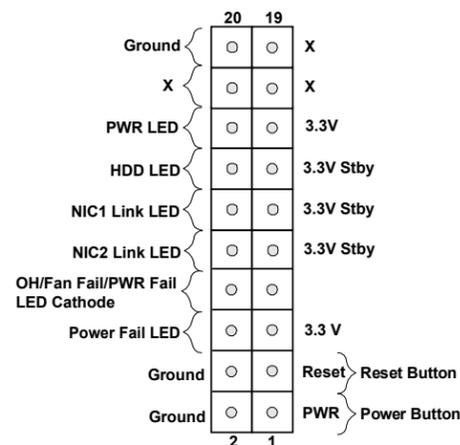


Back Panel I/O Connectors



A. HDMI	E. LAN1
B. DisplayPort	F. LAN 2
C. USB0 (3.0)	G. VGA
D. USB1 (2.0)	

Front Control Panel (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 1 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.