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**FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE**

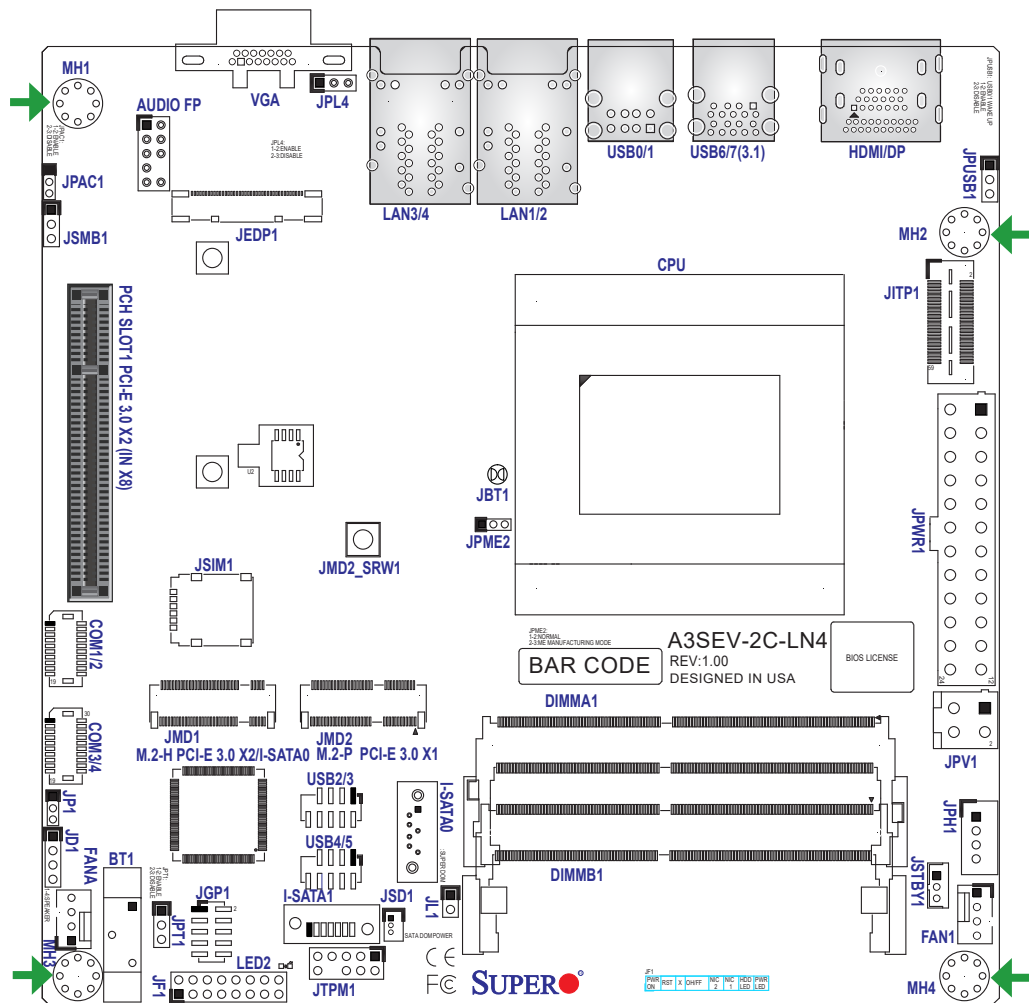
- DRIVERS/IMAGES/USER'S MANUAL FROM THE LINKS BELOW:**
- Manuals: <http://www.supermicro.com/support/manuals>
  - Drivers & Utilities: <https://www.supermicro.com/wdl/driver/>
  - Safety: [http://www.supermicro.com/about/policies/safety\\_information.cfm](http://www.supermicro.com/about/policies/safety_information.cfm)

**PACKAGE CONTENTS**

- One Supermicro Motherboard
- One Quick Reference Guide
- Two SATA Cables



**Motherboard Layout and Features**



**Jumpers, Connectors, and LED Indicators**

**Jumpers**

Jumper	Description	Default
JBT1	CMOS Clear	Open: Normal
JP1	SIM Detection	Pins 1-2 (High Active)
JPAC1	Audio Enable/Disable	Pins 1-2 (Enabled)
JPL4	LAN4 Enable/Disable	Pins 1-2 (Enabled)
JPME2	ME Manufacturing Mode	Pins 1-2 (Normal)
JPT1	Onboard TPM Enable/Disable	Pins 2-3 (Disabled)
JPUSB1	USB0/1 Wake Up	Pins 1-2 (Enabled)

**Connectors**

Connector	Description
AUDIO FP	Front Panel Audio Header
BT1	Onboard battery
COM1/2, COM3/4	COM Headers
FAN1, FANA	System Fan Headers
HDMI/DP++	High Definition Multimedia Interface and DisplayPort
I-SATA0, I-SATA1	SATA 3.0 Ports (I-SATA0: SuperDOM)
JD1	Speaker/Buzzer (Pins 1-4: Speaker)
JEDP1	Extended DisplayPort
JF1	Front Control Panel Header
JGP1	General Purpose I/O Header
JL1	Chassis Intrusion Header
JMD1	M.2 B-Key 2280/3042 (PCIe 3.0 x2/SATA/USB3.1) Slot *SATA mux with I-SATA0
JMD2	M.2 E-Key 2230 (PCIe 3.0 x1/USB2.0) Slot
JMD2_SRW1	M.2 Mounting Screw
JPH1	4-pin Power Connector (for HDD)
JPV1	4-pin 12V DC Power Connector
JPWR1	24-pin ATX Power Connector
JSD1	SATA DOM Power Connector
JSIM1	Nano SIM Card Slot
JSMB1	System Management Bus Header
JSTBY1	Standby Power Header
JTPM1	Trusted Platform Module (TPM)/Port80 Header
LAN1/2, LAN3/4	Gigabit Ethernet RJ45 Ports
SLOT1	PCH SLOT1 PCIe 3.0 x2 (IN x8) Slot
USB0/1	Back Panel USB 2.0 Ports
USB2/3, USB4/5	USB 2.0 Headers
USB6/7	Back Panel USB 3.1 Ports
VGA	VGA Port

\*Due to the motherboard dimensions, there is a size limitation for the PCIe card. If you use the COM port and PCIe slot simultaneously, the recommended PCIe card size is x8 or smaller.

**LED Indicators**

LED	Description	Status
LED2	Power LED	Solid Green: Power On

**CPU Support**

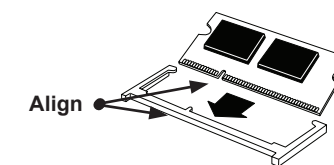
A3SEV-2C-LN4 supports an Intel® Atom x6211E 2 Core Processor.  
 A3SEV-4C-LN4 supports an Intel Atom x6425E 4 Core Processor.

**Memory Support**

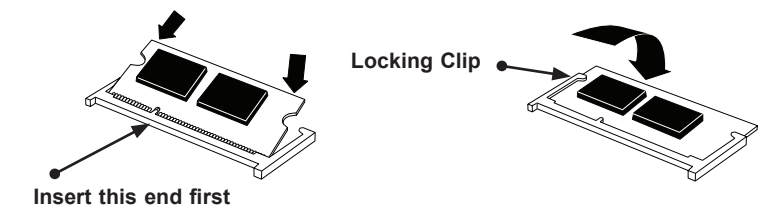
The A3SEV-2C/4C-LN4 motherboard supports up to 32GB of DDR4 Non-ECC SO-DIMM with speeds of up to 3200MT/s in two slots.

**SO-DIMM Memory Installation**

1. Position the SO-DIMM module's bottom key so it aligns with the receptive point on the slot.



2. Insert the SO-DIMM module vertically at about a 45 degree angle. Press down until the module locks into place. The side clips will automatically secure the SO-DIMM module, locking it into place.



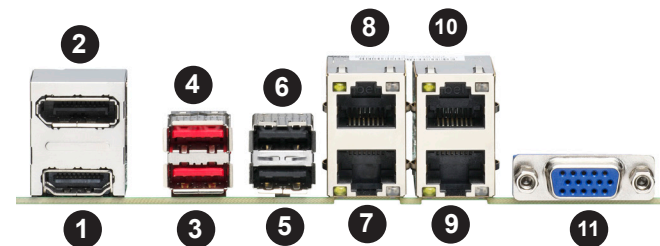
**SO-DIMM Removal**

1. Push the side clips at the end of slot to release the SO-DIMM module. Pull the SO-DIMM module up to remove it from the slot.

**Front Control Panel (JF1)**

	1	2	
Power Button	○	○	Ground
Reset Button	○	○	Ground
X	○	○	X
3.3V	○	○	OH/Fan Fail LED
3.3V Stby	○	○	NIC2 Active LED
3.3V Stby	○	○	NIC1 Active LED
3.3V	○	○	HDD LED
3.3V Stby	○	○	PWR LED
	15	16	

**Back Panel I/O Connectors**



#	Definition	#	Description	#	Description
1	HDMI	5	USB0	9	LAN3
2	DP++	6	USB1	10	LAN4
3	USB6 (3.1)	7	LAN1	11	VGA
4	USB7 (3.1)	8	LAN2		

**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.