

CONTACT INFORMATION

- Website: www.supermicro.com
- General Information: marketing@supermicro.com
- Technical Support: support@supermicro.com
- Phone: +1 (408) 503-8000, Fax: +1 (408) 503-8008

FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE DRIVERS/IMAGES/USER'S MANUAL FROM THE LINKS BELOW:

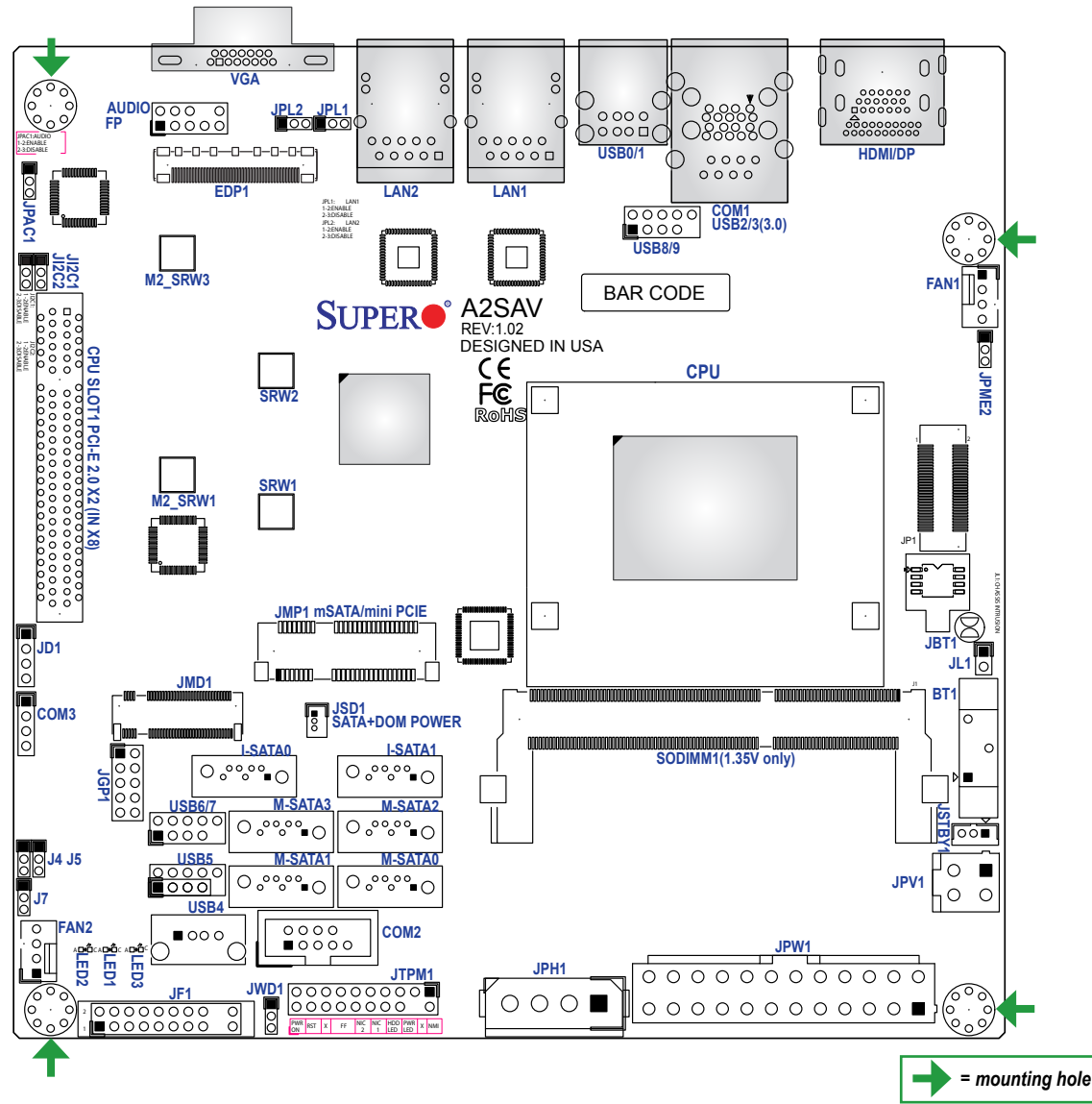
- Manuals: <http://www.supermicro.com/support/manuals>
- Drivers & Utilities: <https://www.supermicro.com/wftp/driver/>
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS

- One (1) Supermicro Motherboard
- Six (6) SATA Cables, Two (2) for -L/-LV
- One (1) I/O Shield
- One (1) Quick Reference Guide



Motherboard Layout and Features



Connectors and LED Indicators

Connectors	
Connector	Description
AUDIO FP	Front Panel Audio Header (not available on -L/-LV)
BT1	Onboard Battery
COM1 ~ COM3	COM Ports supported by Novoton 5523D (COM1 in RJ45, COM1/2 supports RS-232, COM3 supports RS485)
EDP1	Embedded DisplayPort (Switch with VGA) (X11SAA/A2SAV/-2C-L/-L only)
FAN1/FAN2	System/CPU Fan Headers (FAN1: CPU Fan)
HDMI/DP	High Definition Multimedia Interface/DisplayPort
I-SATA0/I-SATA1	Intel® SATA 3.0 Ports
JD1	Speaker LED Header (Pins 1-4: Speaker)
JF1	Front Control Panel Header
JGP1	General Purpose I/O Header
JL1	Chassis Intrusion Header
JMD1	M.2 PCI-E 2.0 x2, I-SATA0
JMP1	Mini-PCIe with mSATA (not available on -L/-LV)
JPH1	4-pin Power Connector for HDD use (to provide power from the motherboard to system HDD devices)
JPW1	24-pin ATX Power Connector
JPV1	12V 4-pin Power Connector
JSD1	SATA DOM Power Connector
JSTBY1	Standby Power Header
JTPM1	Trusted Platform Module/Port 80 Connector
LAN1/LAN2	LAN (RJ45) Ports
M2_SRW2/M2_SRW3	M.2 Mounting Screws
M-SATA0 ~ M-SATA3	SATA Ports supported by Marvel 88SE9230 (not available on -L/-LV)
SLOT1	CPU PCI-E 2.0 X2 (IN X8) Slot
SRW1/SRW2	m-PCIe Mounting Screws (not available on -L/-LV)
USB0/1	Back panel USB 2.0 Port
USB2/3	Back panel USB 3.0 Port
USB4	USB 2.0 Type-A Header (not available on -L/-LV)
USB5, USB6/7, USB8/9	Front Accessible USB 2.0 Headers (USB5, USB6/7 not available on -L/-LV)
VGA	VGA Port (Switch with EDP1)

LED Indicators		
LED	Description	Status
LED1	Power LED S3 Blink Function	Blinking Green: S3 Function
LED2	System Power LED	Solid Blue: Power On
LED3	P5V_STBY Power LED	Solid Green: 5V Standby Power Ready

Jumpers

Jumpers		
Jumper	Description	Default Setting
JBT1	CMOS Clear	Open (Normal)
JI ² C1/JI ² C2	SMB to PCI-E Slots Enable/Disable	Pins 1-2 (Enabled)
JPAC1	Audio Enable	Pins 1-2 (Enabled)
JPL1	LAN1 Enable/Disable	Pins 1-2 (Enabled)
JPL2	LAN2 Enable/Disable	Pins 1-2 (Enabled)
JPME2	Manufacturing Mode	Pins 1-2 (Normal)
JWD1	Watch Dog	Pins 1-2 (Reset)

CPU Support

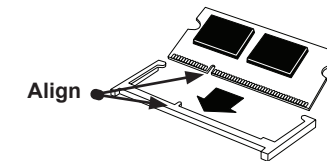
- X11SAA supports an Intel® Pentium N4200 SoC (BGA Socket).
- A2SAV/-V/-L/-LV supports an Intel Atom E3940 SoC (BGA Socket).
- A2SAV-2C-L/-2C-LV supports an Intel Atom E3930 SoC (BGA Socket).

Memory Support

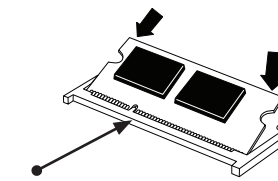
The X11SAA/A2SAV/-V/-2C-L/-2C-LV/-L/-LV motherboard supports up to 8GB DDR3L Non-ECC SO-DIMM memory up to 1866MHz in one horizontal slot.

DIMM Memory Installation

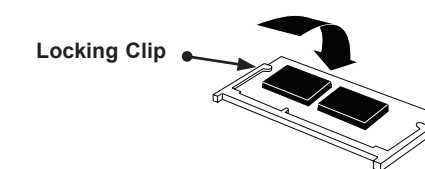
1. Position the SO-DIMM module's bottom key so it aligns with the receptive point on the slot.



2. Insert the SO-DIMM module vertically at about a 45 degree angle. Press down until the module locks into place.



3. The side clips will automatically secure the SO-DIMM module, locking it into place.



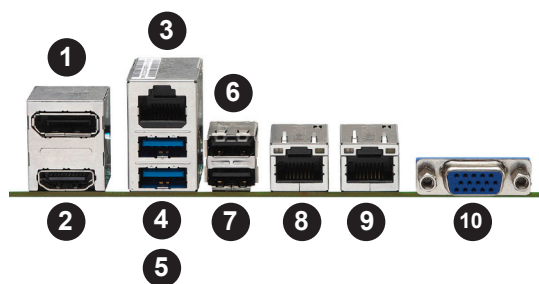
SO-DIMM Removal

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	PWR	○ ○	Ground
Reset Button	Reset	○ ○	Ground
	X	○ ○	X
	3.3V	○ ○	Fan Fail LED
	3.3V Stby	○ ○	NIC2 Activity LED
	3.3V Stby	○ ○	NIC1 Activity LED
	3.3V	○ ○	HDD LED
	3.3V	○ ○	Power LED
	X	○ ○	X
	NMI	○ ○	Ground
	19	20	

Back Panel I/O Connectors



1. DisplayPort	5. USB3	9. LAN2
2. HDMI	6. USB1	10. VGA
3. COM1	7. USB0	
4. USB2	8. LAN1	

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.