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FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE

DRIVERS/IMAGES/USER'S MANUAL FROM THE LINKS BELOW:

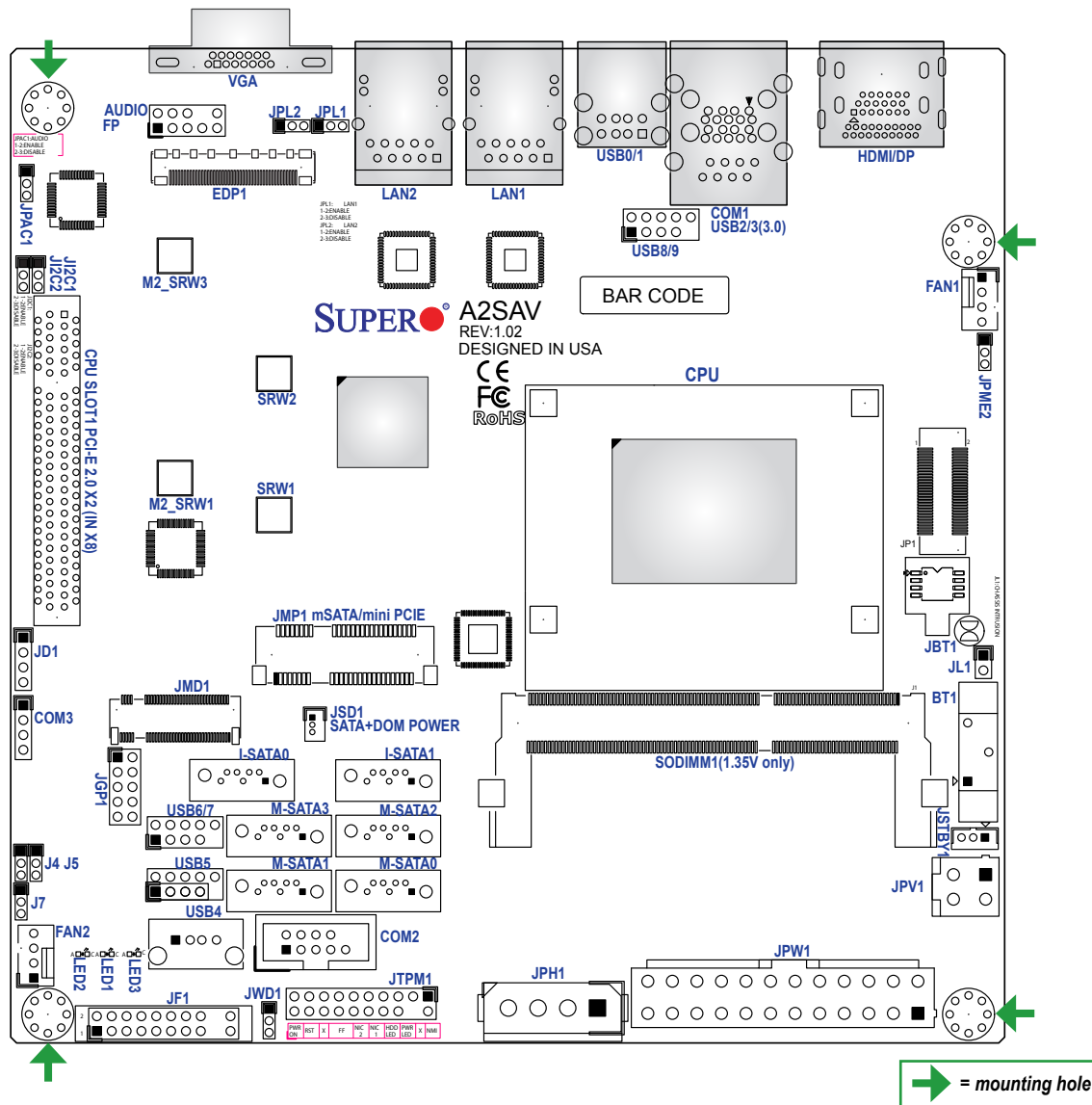
- Manuals: <http://www.supermicro.com/support/manuals>
- Drivers & Utilities: <https://www.supermicro.com/wftp/driver/>
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

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

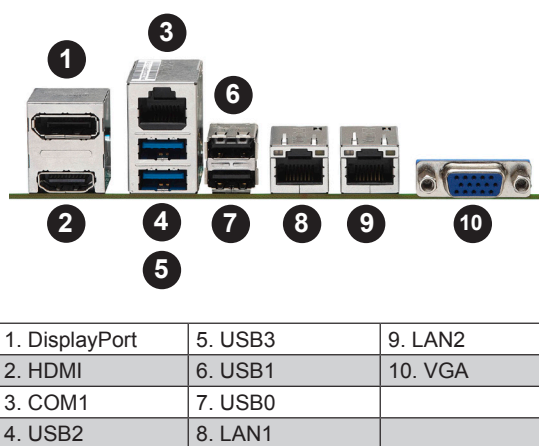
| Connectors | |
|----------------------|--|
| Connector | Description |
| AUDIO FP | Front Panel Audio Header (not available on -L/-LV) |
| BT1 | Onboard Battery |
| COM1 ~ COM3 | COM Ports supported by Novoton 5523D (COM1 in RJ45, COM1/2 supports RS-232, COM3 supports RS485) |
| EDP1 | Embedded DisplayPort (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 |

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



Jumpers

| Jumpers | | |
|-----------|-----------------------------------|--------------------|
| Jumper | Description | Default Setting |
| JBT1 | CMOS Clear | Open (Normal) |
| JIP1/JIP2 | 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

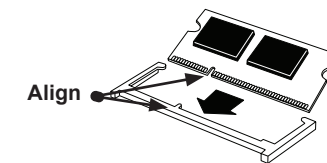
- X11SAA supports an Intel® Pentium N4200 SoC (BGA Socket).
- A2SAV/-V/-L/-LV supports an Intel Atom E3940 SoC (BGA Socket).
- A2SAV-2C-L/-2C-LV supports an Intel Atom E3930 SoC (BGA Socket).

Memory Support

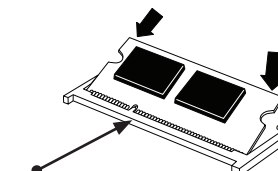
The X11SAA/A2SAV/-V/-2C-L/-2C-LV/-L/-LV motherboard supports up to 8GB DDR3L Non-ECC SO-DIMM memory up to 1866MHz in one horizontal slot.

DIMM Memory Installation

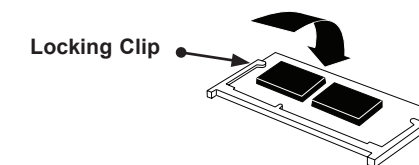
1. Position the SO-DIMM module's bottom key so it aligns with the receptive point on the slot.



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.

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.