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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

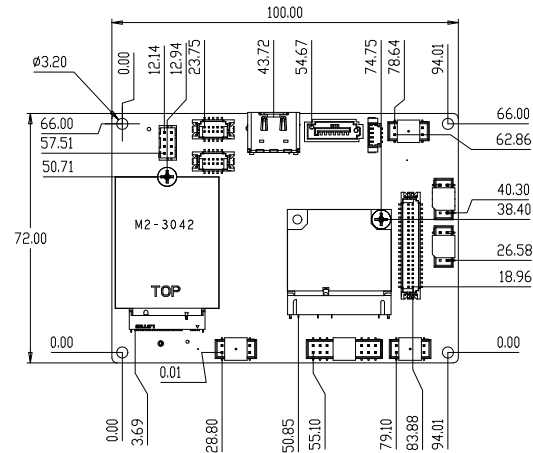
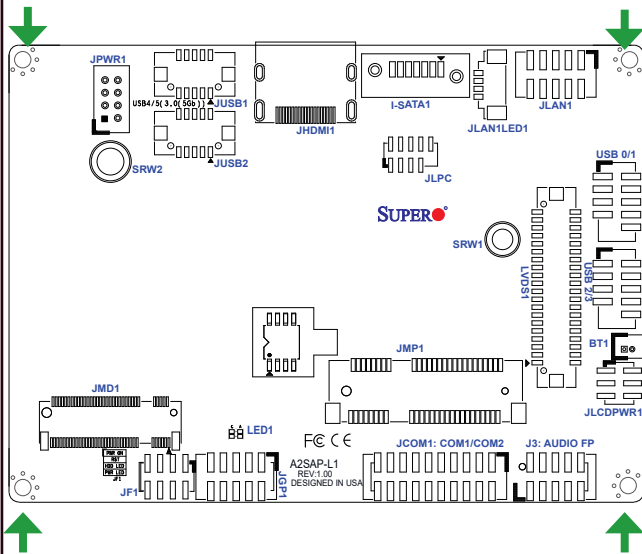
PACKAGE CONTENTS

- One Supermicro Motherboard
- One Quick Reference Guide
- SATA Data Cable, SATA Power Cable
- USB3.0 Cable, USB2.0 Cable
- Power Input Cable, Audio Cable
- LAN Date Cable, LAN LED Cable
- COM Port Cable

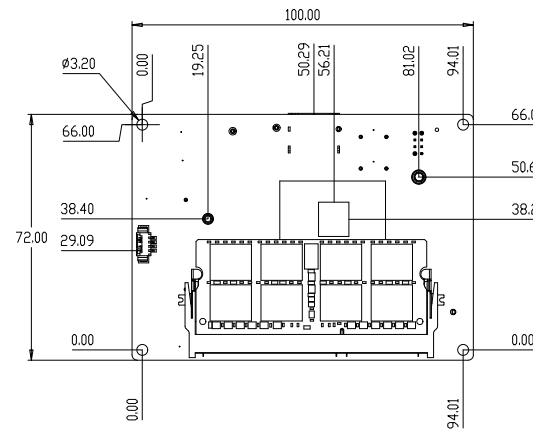
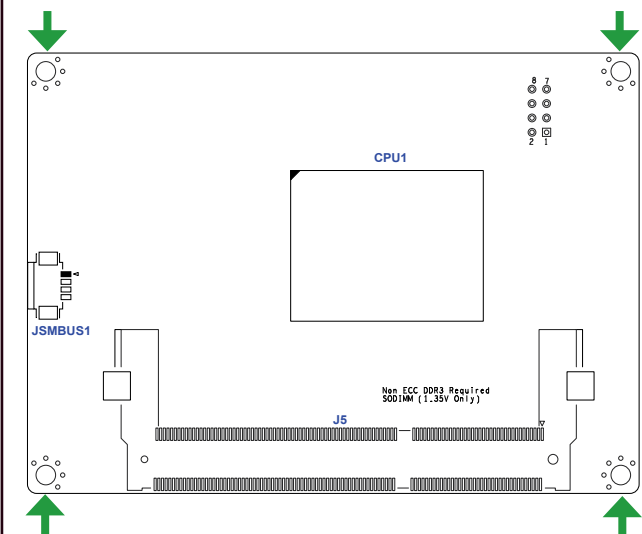


Motherboard Layouts and Mechanical Drawings

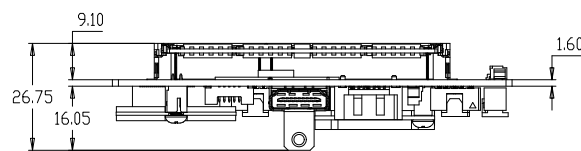
Top Layout and Mechanical Drawing



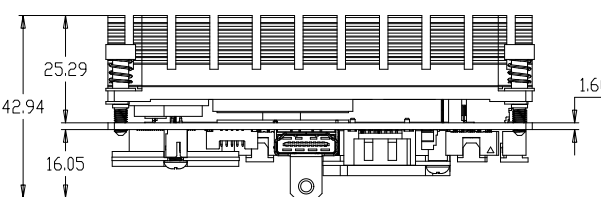
Bottom Layout and Mechanical Drawing



Back Panel I/O without Heatsink



Back Panel I/O with Heatsink



➔ = mounting hole

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.

Jumpers and Connectors

Jumpers

Jumper	Description	Jumper Setting (Default *)
JLDCPW1	FORCE POWER ON	Pins 2-4* (FORCE POWER ON) Pins 4-6 (POWER BUTTON ON)
	LVDS VCC Power Selection	Pins 1-3* (3.3V) Pins 3-5 (5V)

Connectors

Connector	Description
BT1	Battery Connector (To Clear CMOS, remove the battery, short pins 1-2 for more than 10 seconds and install the battery.)
I-SATA1	Intel® PCH SATA 3.0 Port
J3	Front Panel Audio Header (Mic-In/Headphone-out)
JCOM1	COM Box Header (two RS232/422/485)
JDC	12V DC Jack Power Connector
JF1	Front Control Panel Header (Power/HDD LED, Reset, Power button)
JGP1	8-bit General Purpose I/O Box Header
JHDMI1	High Definition Multimedia Interface (HDMI) Port
JLAN1	1GbE LAN Port with Box Header and Transformer (Intel I210)
JLAN1LED1	GbE LAN Port ACT/LINK LED
JMD1	M.2 Slot (B-KEY 2242/3042) (SATA 3.0/PCIe x1 Gen2/one USB 2.0)
JMP1	Half-Size Mini PCIe Slot (supports PCIe x1 Gen2/one USB 2.0)
JPWR1	One 2x4-Pin 12V Power Connector
JSBUS1	SMBus and 5V/1A SATA Power Box Header
JUSB1/JUSB2	USB 3.0 Box Header
LVDS1	Dual Channel 48-bit LVDS Connector
SRW1 - SRW2	M.2 and Mini PCIe Mounting Holes
USB0/1, USB2/3	USB 2.0 x 2 Box Headers

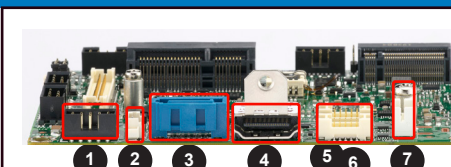
LED Indicators

LED	Description	Status
LED1	Power LED	Solid Green: S0 mode Solid Red: S3/S4/S5 modes

Front Control Panel (JF1)

PWR	Power Button	1	2	Ground
		○	○	
Reset	Reset Button	○	○	Ground
		○	○	HDD LED
	3.3V	○	○	Power LED
	3.3V Stby	○	○	
		7	8	

Back Panel I/O Connectors



#	Definition	#	Description
1	LAN1	4	HDMI
2	LAN1LED1	5/6	USB1/2
3	I-SATA1	7	PWR1

Note: Refer to Chapter 1 of the User Manual for detailed information on jumpers, connectors, and LED indicators.

CPU Support

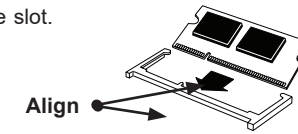
The A2SAP-L1 supports an Intel® Atom SoC E3940 Processor.

Memory and Heatsink Installation

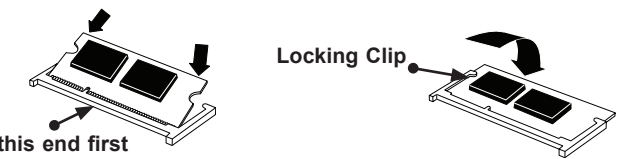
The A2SAP-L1 motherboard supports up to 8GB of DDR3L Non-ECC SO-DIMM with speeds of 1333/1600/1867MHz in one memory slot.

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.

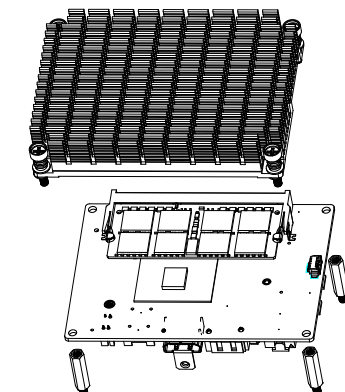


SO-DIMM Removal

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

Heatsink Installation

1. After the memory installation is complete, install the heatsink.
2. The thermal solution kit that comes with the motherboard includes one heatsink with thermal grease and four copper standoffs that are 19mm in height.
3. To install the heatsink, remove the plastic cover on the bottom of the heatsink to expose the thermal grease. Then place the heatsink directly on the CPU and make sure the thermal grease is in contact with the CPU.
4. Turn the motherboard over and tighten the standoffs with the corresponding screws.



Note: Refer to Chapter 2 of the User Manual for detailed information on memory support and CPU/motherboard installation instructions.