

**CONTACT INFORMATION**

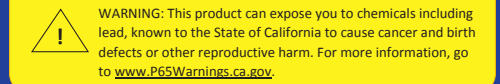
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**FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE**

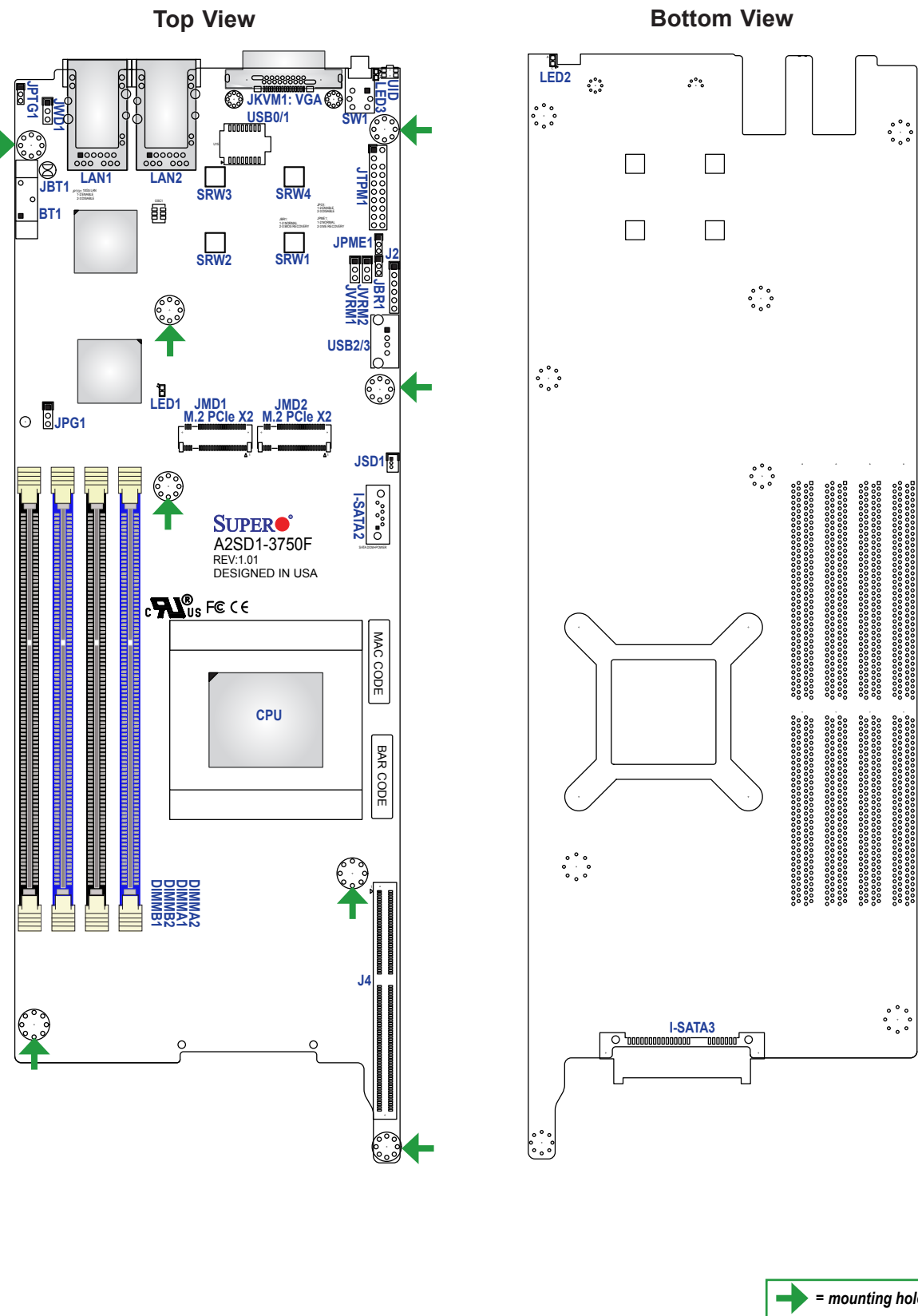
- DRIVERS/IMAGES/USER'S MANUAL FROM THE LINKS BELOW:**
- Manuals: <http://www.supermicro.com/support/manuals>
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**PACKAGE CONTENT**

- One Supermicro Motherboard
- One Quick Reference Guide



**Motherboard Layout and Features**



**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, Connectors and LED Indicators**

Jumpers		
Jumper	Description	Default Setting
JBR1	BIOS Recovery	Pins 1-2 (Normal)
JBT1	CMOS Clear	Open (Normal)
JPG1	VGA Enable/Disable	Pins 1-2 (Enabled)
JPME1	ME Recovery	Pins 1-2 (Normal)
JPTG1	10Gb Ethernet Enable for LAN1/2	Pins 1-2 (Enabled)
JVRM1	VRM SMB Clock (to BMC or PCH)	Pins 1-2 (Normal)
JVRM2	VRM SMB Data (to BMC or PCH)	Pins 1-2 (Normal)
JWD1	Watch Dog	Pins 1-2 (Reset)

Connectors	
Connector	Description
BT1	Onboard Battery
I-SATA2, I-SATA3	SATA 3.0 Ports
J4	Backplane Connector
JKVM1	VGA and USB Connector
JMD1	M.2 PCIe 3.0 x2 Slot (M-key 2280/22110)
JMD2	M.2 PCIe 3.0 x2 Slot (M-key 2280/22110)
JSD1	SATA DOM Power Connector
JTPM1	Trusted Platform Module/Port 80 Connector
LAN1, LAN2	10GBaseT LAN (RJ45) Ports
SRW1 - SRW4	M.2 Mounting Screws
SW1	Power Switch
UID	Unit ID Button
USB0/1	Back panel USB 2.0 Ports via JKVM1
USB2/3	Front Accessible USB 2.0 Header
VGA	VGA Port via JKVM1

LED Indicators		
LED	Description	Status
LED1	Onboard Power LED	Solid Green: Power On
LED2	BMC Heartbeat LED	Blinking Green: BMC Normal
LED3	UID LED	Solid Blue: Unit Identified

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

**CPU Support**

A2SD1-3750F: Intel® Atom SoC C3750 series with 8 Cores (21W TDP).  
 A2SD1-3955F: Intel® Atom SoC C3955 series with 16 Cores (32W TDP).

**Memory Support**

The A2SD1-3750F/3955F motherboard supports up to 128GB ECC VLP RDIMM or 64GB ECC VLP UDIMM DDR4 memory in four memory slots with speeds of up to 2400 MT/s.

**DIMM Memory Installation**

When installing memory modules, the DIMM slots should be populated in the following order: DIMMA2, DIMMB2, DIMMA1, DIMMB1. The blue slots must be populated first. See the motherboard layout on the left for the location of the DIMM slots.

- It is recommended to use DDR4 DIMM modules of the same type, size and speed. Mixed DIMM speeds can be installed. However, all DIMMs will run at the speed of the slowest DIMM.
- The motherboard will support odd-numbered modules (one or three modules installed). However, for best memory performance, install DIMM modules in pairs to activate memory interleaving.

Recommended Population (Balanced)				
DIMMA1	DIMMB1	DIMMA2	DIMMB2	Total System Memory
		4GB	4GB	8GB
4GB	4GB	4GB	4GB	16GB
		8GB	8GB	16GB
8GB	8GB	8GB	8GB	32GB
		16GB	16GB	32GB
16GB	16GB	16GB	16GB	64GB
		32GB	32GB	64GB
32GB	32GB	32GB	32GB	128GB
		64GB	64GB	128GB

**Back Panel I/O Connectors**



#	Definition	#	Description
1	UID Button	4	LAN1
2	SW1	5	LAN2
3	KVM Connector		

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

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