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FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE

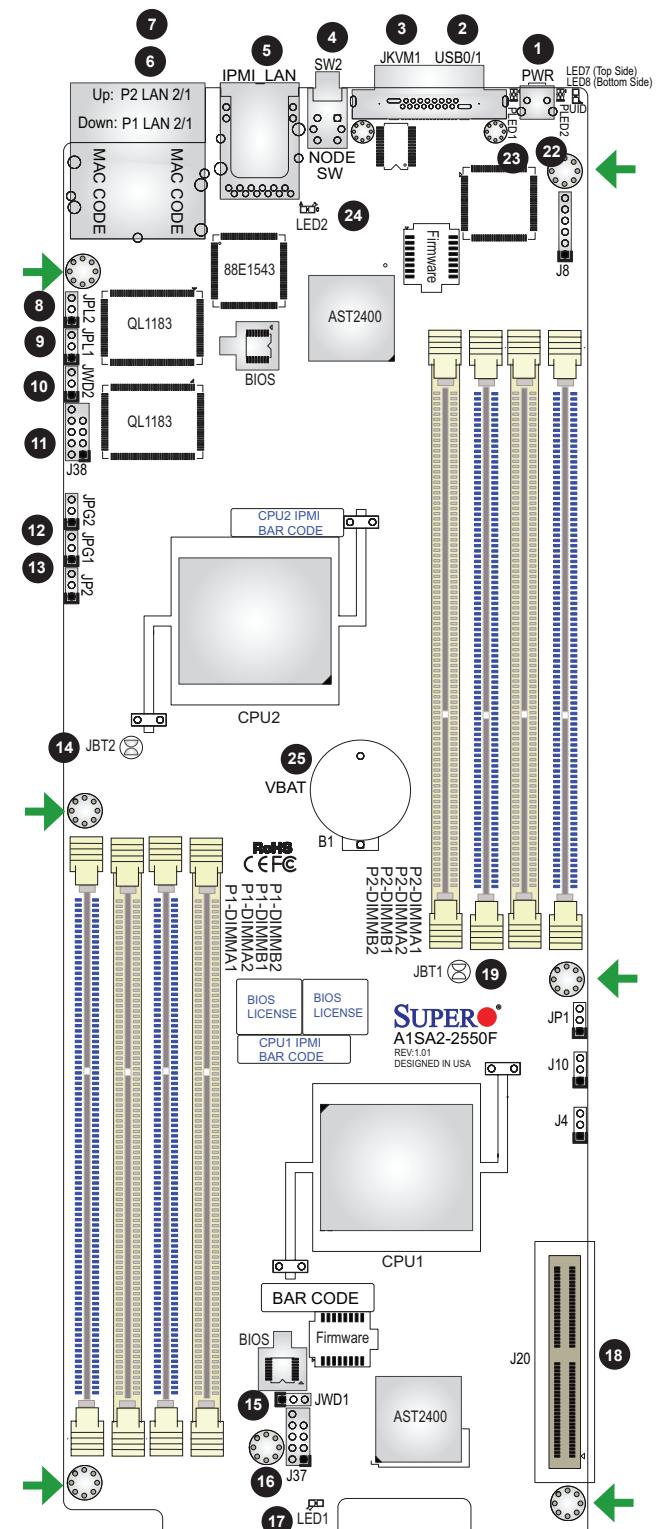
DRIVERS/IMAGES/USER'S MANUAL FROM THE LINKS BELOW:

- Manuals: <http://www.supermicro.com/support/manuals>
- Drivers & Utilities: [ftp://ftp.supermicro.com/CDR_Images/CDR-X10-UP/](http://ftp.supermicro.com/CDR_Images/CDR-X10-UP/)
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS

- One (1) Supermicro Motherboard
- One (1) Quick Reference Guide

Motherboard Layout and Features



→ = mounting hole

Note: Item numbers are shown in counterclockwise order

Jumpers, Connectors and LED Indicators

Jumpers			
Jumper	Item #	Description	Default
JBT1/JBT2	19, 14	CMOS Clear for Node 1 (JBT1) and Node 2 (JBT2)	Off (Normal)
JPG1/JPG2	13, 12	VGA Enable for Node 1 (JPG1) and Node 2 (JPG2)	Pins 1-2 (Enabled)
JPL1/JPL2	9, 8	Ethernet LAN Ports Enable for Node 1 (JPL1) and Node 2 (JPL2)	Pins 1-2 (Enabled)
JWD1/JWD2	16, 10	Watch Dog Enable for Node 1 (JWD1) and Node 2 (JWD2)	Pins 1-2 (Reset)

Connectors		
Connector	Item #	Description
Battery	25	Onboard Battery (JBAT1)
J20	18	HDD Backplane Slot for SATA 3.0 6Gb/s (4 connections) and power supply
J37	16	Port 80 connector for Node 1 (P1-PORT80)
J38	11	Port 80 connector for Node 2 (P2-PORT80)
JKVM1	3	USB 2.0 (x2)/VGA (Monitor)/COM (UART) connector for front I/O support for remote console redirection or network interface.
IPMI_LAN	5	IPMI Dedicated LAN for Node 1 and Node 2
P1-LAN1/LAN2	6	Gigabit LAN Ethernet (RJ45) Ports 1/2 for Node 1
P2-LAN1/LAN2	7	Gigabit LAN Ethernet (RJ45) Ports 1/2 for Node 2
PWR	1	Power switch for Node 1 and Node 2
SW2	4	Node switch between Node 1 and Node 2
USB 2.0	2	Front Panel USB 2.0 (See JKVM1)

LED Indicators				
LED	Item #	Description	Color/State	Status
LED1	17	BMC Heartbeat LED for Node 1	Green: Blinking	BMC: Normal
LED2	24	BMC Heartbeat LED for Node 2	Green: Blinking	BMC: Normal
LED7	21	(UID) Unit Identifier LED	Blue: On	Blue: Unit Identified
LED8	20	Overheat/PWR Fail/ Fan Fail LED	Red: Solid on Blinking: PWR Fail or Fan Fail	On: Overheat Blinking: PWR Fail or Fan Fail
PLED1	23	Power LED for Node 1	Green: On Orange: Standby	Node 1 PWR On/Standby
PLED2	22	Power LED for Node 2	Green: On Orange: Standby	Node 2 PWR On/Standby

Memory Support

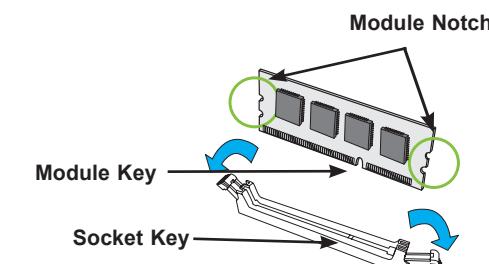
The A1SA2-2750F/2550F motherboard supports up to 64GB of DDR3 ECC VLP UDIMM 1600MHz in eight memory slots. Populating these DIMM modules with a pair of memory modules of the same type and same size will result in interleaved memory, which will improve memory performance.

DIMM Memory Installation

Installing DIMM Memory Modules

When installing memory modules, the DIMM slots should be populated in the following order: DIMM A1, DIMM B1, then DIMM A2, DIMM B2. Use memory modules of the same type, speed, and capacity.

1. Align the key on the bottom of the DIMM module against the receptive point on the memory slot. Take note of the notches on the side of the DIMM module, and of the locking clips on the socket to avoid causing damage.



2. Install the DIMM module straight down into the socket until it is securely seated in the socket. The side clips will automatically lock the module into place.

