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

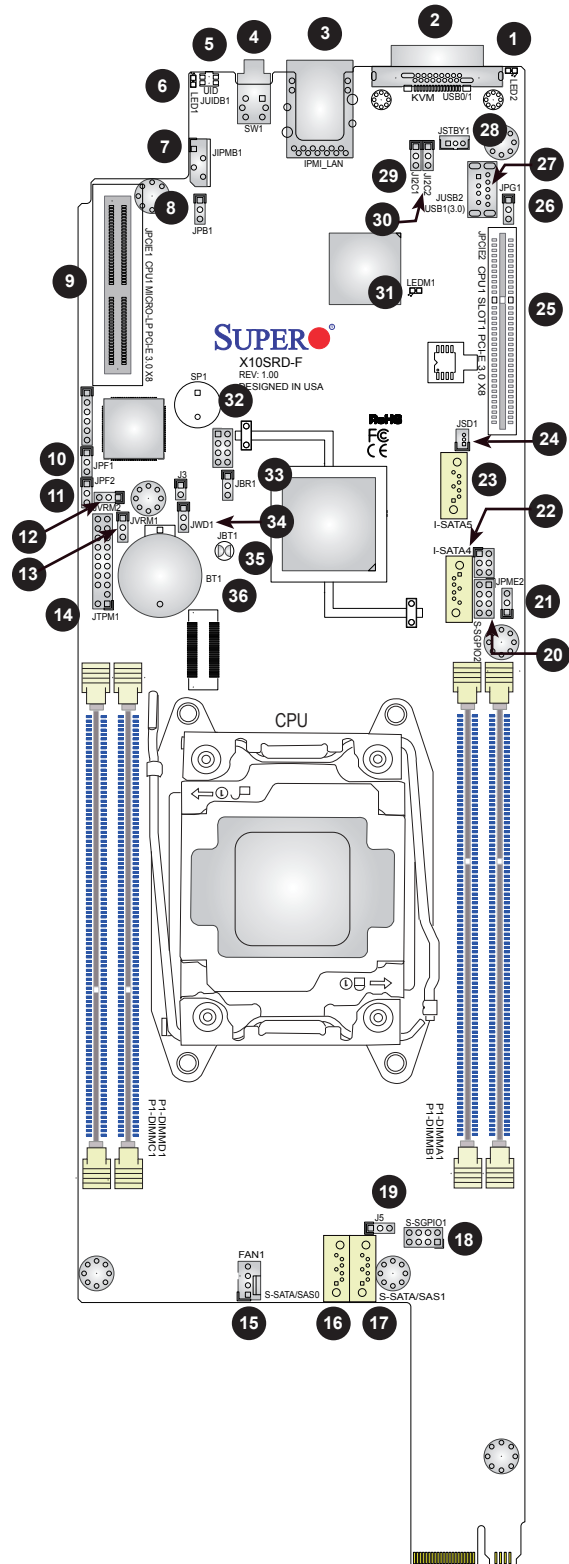
**DRIVERS/IMAGES/USER'S MANUAL FROM THE LINKS BELOW:**

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

**PACKAGE CONTENTS**

- One (1) Supermicro Motherboard
- One (1) 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.

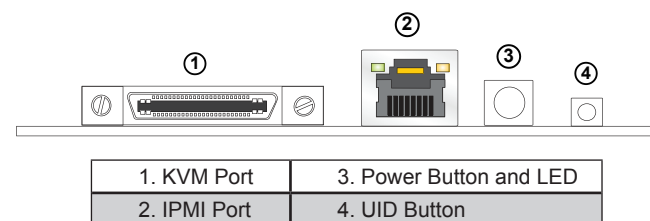
**Jumpers, Connectors & LED Indicators**

| Jumpers |              |                              |                                 |
|---------|--------------|------------------------------|---------------------------------|
| Item#   | Jumper       | Description                  | Default Setting                 |
| 33      | JBR1         | BIOS Recovery                | Pins 1-2 (Normal)               |
| 35      | JBT1         | CMOS Clear                   | Open: Normal, Short: Clear CMOS |
| 29, 30  | JI2C1, JI2C2 | SMB to PCI Slots             | Pins 2-3 (Disabled)             |
| 8       | JPB1         | BMC Enable/Disable           | Pins 1-2 (Enabled)              |
| 10, 11  | JPF1, JPF2   | Power Force On               | Open: Normal, Closed: Force On  |
| 26      | JPG1         | Onboard VGA Enable/Disable   | Pins 1-2 (Enabled)              |
| 21      | JPME2        | ME Manufacturing Mode        | Pins 1-2 (Normal)               |
| 13, 12  | JVRM1, JVRM2 | I <sup>2</sup> C Bus for VRM | Pins 1-2 (BMC: Normal)          |
| 34      | JWD1         | Watch Dog Timer RST          | Pins 1-2 (Reset)                |

| Connectors |                  |  |
|------------|------------------|--|
| Item#      | Connectors       | Description                                    |
| 36         | BT1              | Onboard Battery                                |
| 15         | FAN1             | System Fan Header                              |
| 3          | IPMI_LAN         | IPMI Dedicated LAN Port                        |
| 22, 23     | I-SATA4, I-SATA5 | SATA 3.0 Ports supported by Intel® PCH         |
| 19         | J5               | HDD BP Selection                               |
| 7          | JIPMB1           | System Management Bus Header for the IPMI Slot |
| 9          | JPCIE1           | MicroLP PCI-E 3.0 X8 Slot                      |
| 25         | JPCIE2           | Slot1 PCI-E 3.0 X8 Slot                        |
| 24         | JSD1             | SATA Disk On Module (DOM) Power Connector      |
| 28         | JSTBY1           | Standby Power Header                           |
| 14         | JTPM1            | Trusted Platform Module (TPM) Header           |
| 5          | JUIDB1           | UID Button                                     |
| 27         | JUSB2            | USB 3.0 Header (USB1)                          |
| 2          | KVM              | Keyboard/Video/Mouse Connector                 |
| 16         | S-SATA/SAS0      | For SAS AOC use                                |
| 17         | S-SATA/SAS1      | For SAS AOC use                                |
| 32         | SP1              | Internal Speaker/Buzzer                        |
| 18         | S-SGPIIO1        | Serial Link General Purpose I/O Header         |
| 20         | S-SGPIIO2        | Serial Link General Purpose I/O Header         |
| 4          | SW1              | Power Button                                   |
| 2          | USB0/1           | Back panel USB 2.0 Ports 0/1                   |

| LED Indicators |       |                   |                 |                 |
|----------------|-------|-------------------|-----------------|-----------------|
| Item#          | LED   | Description       | State/Color     | Status          |
| 6              | LED1  | UID LED           | Blue: On        | Unit Identified |
| 1              | LED2  | OVT Indicator     | Red: On         | On              |
| 31             | LEDM1 | BMC Heartbeat LED | Green: Blinking | BMC Normal      |

**Back Panel I/O Connectors**



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

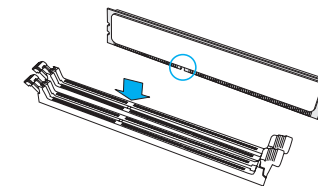
**Memory Support**

The X10SRD-F supports up to 512GB ECC 3DS LRDIMM, 256GB ECC LRDIMM, and 128GB ECC RDIMM at 2400 MHz (max.) in four DIMM slots. Check the Supermicro website for a list of memory modules that have been validated for the X10SRD-F motherboard.

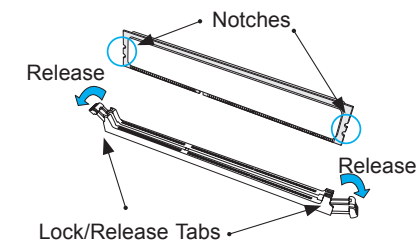
**DIMM Memory Installation**

Insert the desired number of DIMMs into the memory slots, starting with DIMMA1, then DIMMB1, DIMMC1, DIMMD1. Pay attention to the notch along the bottom of the module to prevent incorrect DIMM module installation.

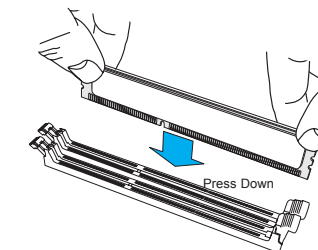
1. Position the DIMM module's bottom key so that it aligns with the receptive point on the slot.



2. Push the Lock/Release tabs to the Release position. Make sure that the side notches of the DIMM module aligns with the Lock/Release tab of the slot as it is pressed in.

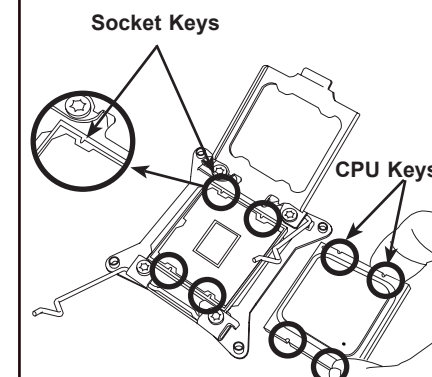


3. Insert the DIMM module and press down until the module snaps into place. When the module is properly inserted, the Lock/Release tabs will automatically secure the DIMM module, locking it into place.



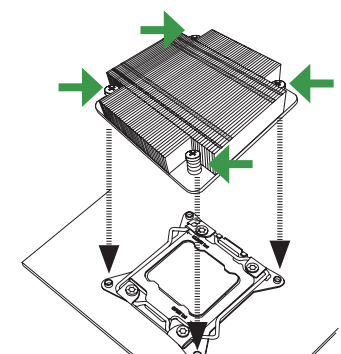
**CPU Installation**

1. Align the CPU keys (semi-circle cutouts) against the socket keys.



**Heatsink Installation**

1. Finish the installation by tightening all four screws.



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