

CONTACT INFORMATION

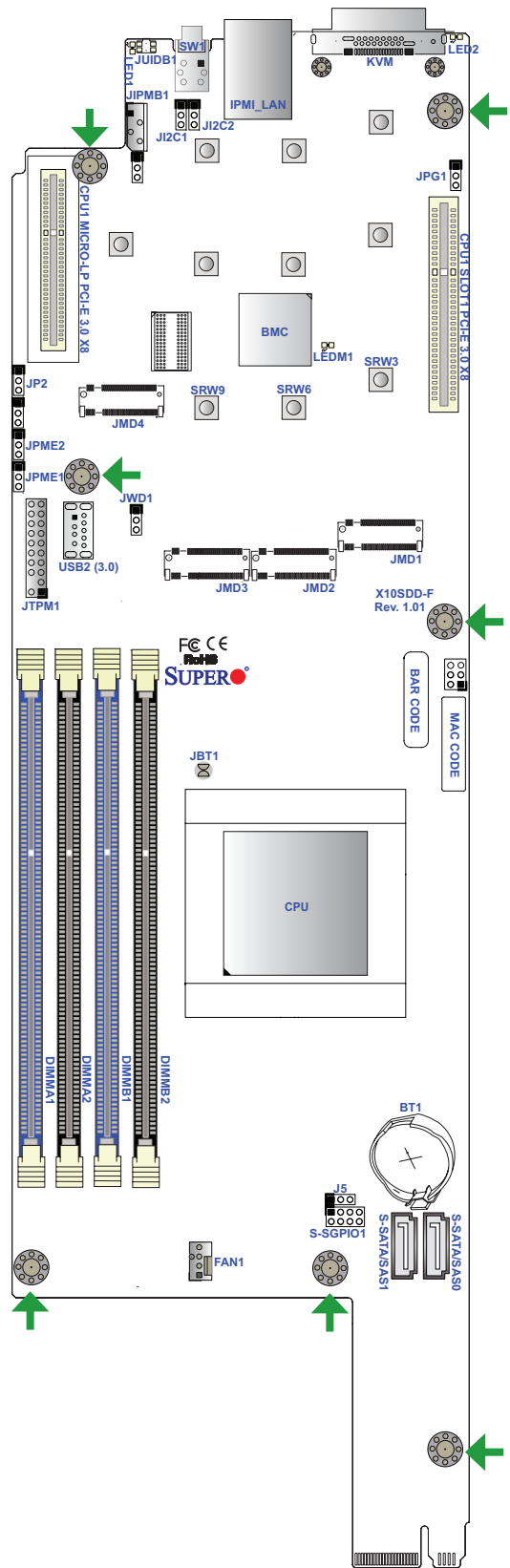
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FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE

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

- Manuals: <http://www.supermicro.com/support/manuals>
- 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)

Motherboard Layout and Features



→ = mounting hole

Jumpers, Connectors, and LED Indicators

| Jumpers     |                              |                            |
|-------------|------------------------------|----------------------------|
| Jumper      | Description                  | Default                    |
| J5          | HDD BP Selection             | Pins 1-2 (SATA)            |
| JBT1        | Clear CMOS                   | See Chpt. 2 in User Manual |
| JI2C1/JI2C2 | SMB to PCI Slots             | Pins 2-3 (Disabled)        |
| JP2         | M.2 slots SMB Enable/Disable | Pins 1-2 (Enabled)         |
| JPG1        | VGA Enable                   | Pins 1-2 (Enabled)         |
| JPME1       | ME Recovery                  | Pins 1-2 (Normal)          |
| JPME2       | Manufacturing Mode Select    | Pins 1-2 (Normal)          |
| JWD1        | Watch Dog Enable             | Pins 1-2 (Reset)           |

| Connectors  |                                                          |
|-------------|----------------------------------------------------------|
| Connector   | Description                                              |
| BT1         | Onboard Battery                                          |
| IPMI_LAN    | Dedicated IPMI Gigabit (RJ45) Port                       |
| JIPMB1      | 4-pin External BMC I2C Header (for an IPMI Card)         |
| JMD1        | M.2 PCI-E 3.0 x4/I-SATA2 (Supports 2242, 2280 and 22110) |
| JMD2        | M.2 PCI-E 3.0 x4/I-SATA3 (Supports 2242, 2280 and 22110) |
| JMD3        | M.2 PCI-E 2.0 x4/I-SATA4 (Supports 2242, 2280 and 22110) |
| JMD4        | M.2 PCI-E 2.0 x2/I-SATA5 (Supports 2242 only)            |
| JPCIE1      | Micro-LP PCI-E 3.0 x8                                    |
| JPCIE2      | Slot1 PCI-E 3.0 x8                                       |
| JTPM1       | Trusted Platform Module (TPM)/Port 80 Connector          |
| JUIDB1      | UID (Unit Identification) Switch                         |
| KVM         | Keyboard/VGA/Mouse Connector                             |
| S-SATA/SAS0 | For SAS AOC use                                          |
| S-SATA/SAS1 | For SAS AOC use                                          |
| S-SGPIO1    | Serial Link General Purpose Header                       |
| SW1         | Power Switch/LED Indicator                               |
| USB0/1      | Back panel USB 2.0 ports via KVM                         |
| USB2        | USB 3.0 Type-A Header                                    |

| LED Indicators |                                  |                 |                                      |
|----------------|----------------------------------|-----------------|--------------------------------------|
| LED            | Description                      | Color/State     | Status                               |
| LED1           | Rear UID LED                     | Blue: On        | Unit Identified                      |
| LED2           | Power Fail/Fan Fail/Overheat LED | Red: On         | Power Fail, Fan Fail, or Overheating |
| LEDM1          | BMC Heartbeat LED                | Green: Blinking | BMC Normal                           |

CPU Support

Intel® Xeon D, Pentium processor in a System-On-a-Chip (SoC).

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

Memory Support

The X10SDD-F has four (4) 288-pin DIMM slots that support up to 64GB of 2133MHz unbuffered (UDIMM) or 128GB of 2400MHz registered (RDIMM) DDR4 ECC memory.

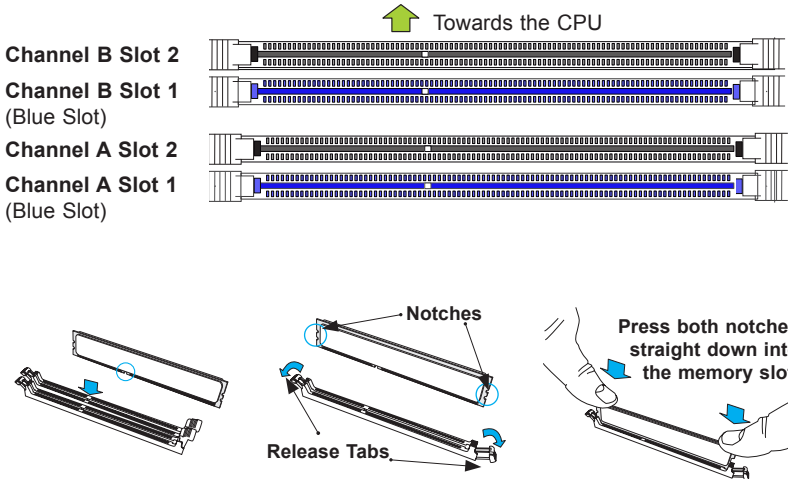
DIMM Memory Installation

Memory Population Guidelines

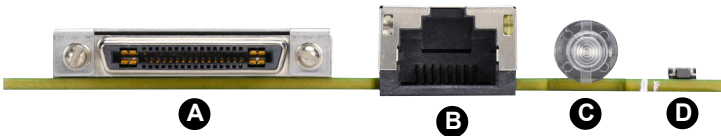
Please follow the table below when populating the X10SDD-F:

| Memory Module Population |           |                                           |                |             |         |                   |
|--------------------------|-----------|-------------------------------------------|----------------|-------------|---------|-------------------|
| DIMM Slots per Channel   | DIMM Type | POR Speeds (MHz)                          | Ranks per DIMM | Layer Count | FW Base | Supported Voltage |
| 2                        | DDR4 ECC  | 2400 (RDIMM only), 2133, 1866, 1600, 1333 | SR, DR         | 6           | SPS     | 1.2V              |

Insert the desired number of DIMMs into the memory slots. The DIMM slots should be populated in the following order: DIMMA1, DIMMB1, then DIMMA2, DIMMB2. For the system to work properly, please use memory modules of the same type and speed.



Back Panel I/O Connectors



| Back Panel I/O |                               |
|----------------|-------------------------------|
| A. KVM Port    | C. Power Switch/LED Indicator |
| B. IPMI LAN    | D. UID Switch                 |

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