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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/wftp/driver/>
  - Safety: [http://www.supermicro.com/about/policies/safety\\_information.cfm](http://www.supermicro.com/about/policies/safety_information.cfm)

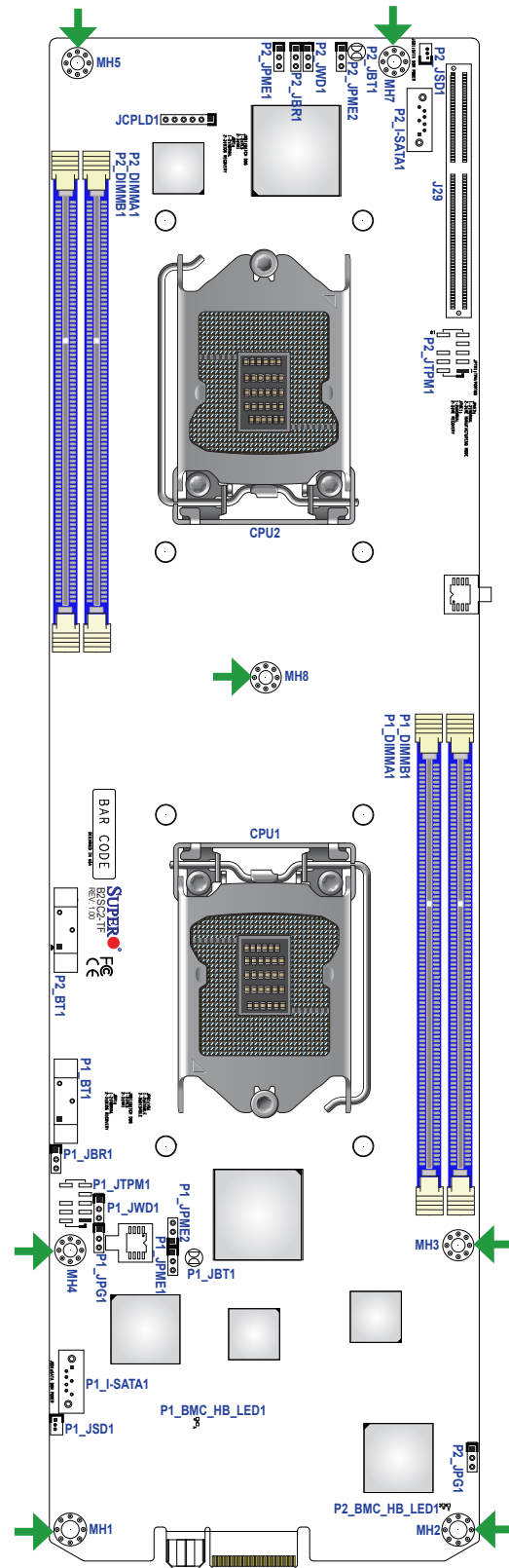
**PACKAGE CONTENTS**

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



WARNING: This product can expose you to chemicals including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**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
P1_JBR1, P2_JBR1	BIOS Recovery (Node 1, Node 2)	Pins 1-2 (Normal)
P1_JBT1, P2_JBT1	CMOS Clear (Node 1, Node 2)	Open (Normal)
P1_JPG1, P2_JPG1	VGA Enable/Disable (Node 1, Node 2)	Pins 1-2 (Enabled)
P1_JPME1, P2_JPME1	ME Recovery (Node 1, Node 2)	Pins 1-2 (Normal)
P1_JPME2, P2_JPME2	Manufacturing Mode (Node 1, Node 2)	Pins 1-2 (Normal)
P1_JWD1, P2_JWD1	Watch Dog (Node 1, Node 2)	Pins 1-2 (Reset)

**Connectors**

Connector	Description
J29	NVMe Front Panel BPN Connector
P1_BT1, P2_BT1	Onboard Battery (Node 1, Node 2)
P1_I-SATA1, P2_I-SATA1	SATA 3.0 Ports (Node 1, Node 2)
P1_JSD1, P2_JSD2	SATA DOM Power (Node 1, Node 2)
P1_JTPM1, P2_JTPM1	Trusted Platform Module/Port 80 Connector (Node 1, Node 2)
MH1 - MH5, MH7, MH8	Mounting Holes

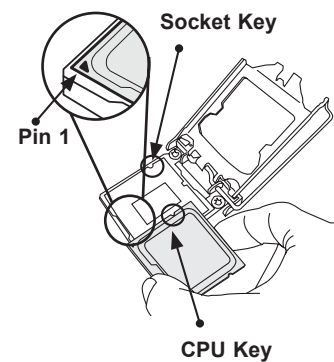
**LED Indicators**

LED	Description	Status
P1_BMC_HB_LED1	BMC Heartbeat LED (Node 1, Node 2)	Blinking Green: BMC Normal
P2_BMC_HB_LED2		

**CPU Support**

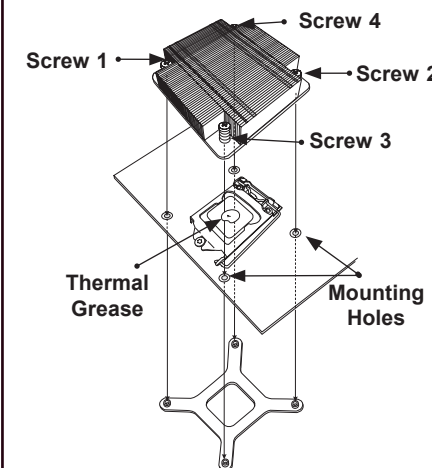
The B2SC2-TF motherboard supports an Intel® Xeon E-2100/E-2200 processor in an LGA1151 socket.

**CPU Installation**



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

**Heatsink Installation**



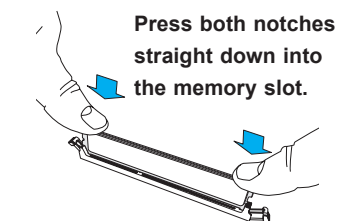
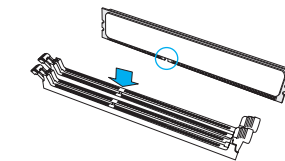
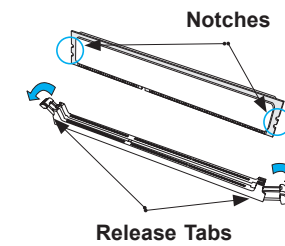
**Memory Support**

The B2SC2-TF motherboard supports up to 64GB of DDR4 ECC UDIMM with speeds of up to 2666MHz in two slots for each node.

**DIMM Memory Installation**

Recommended Population (Balanced)		
Node #1		Total Memory (Per Node)
P1-DIMMA1	P1-DIMMB1	
Node #2		Total Memory (Per Node)
P2-DIMMA1	P2-DIMMB1	
4GB		4GB
4GB	4GB	8GB
8GB		8GB
8GB	8GB	16GB
16GB		16GB
16GB	16GB	32GB
32GB		32GB

1. Insert DIMM modules in the following order: P1\_DIMMA1, P1\_DIMMB1, then P2\_DIMMA1, P2\_DIMMB1. For the system to work properly, please use memory modules of the same type and speed.



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