

**CONTACT INFORMATION**

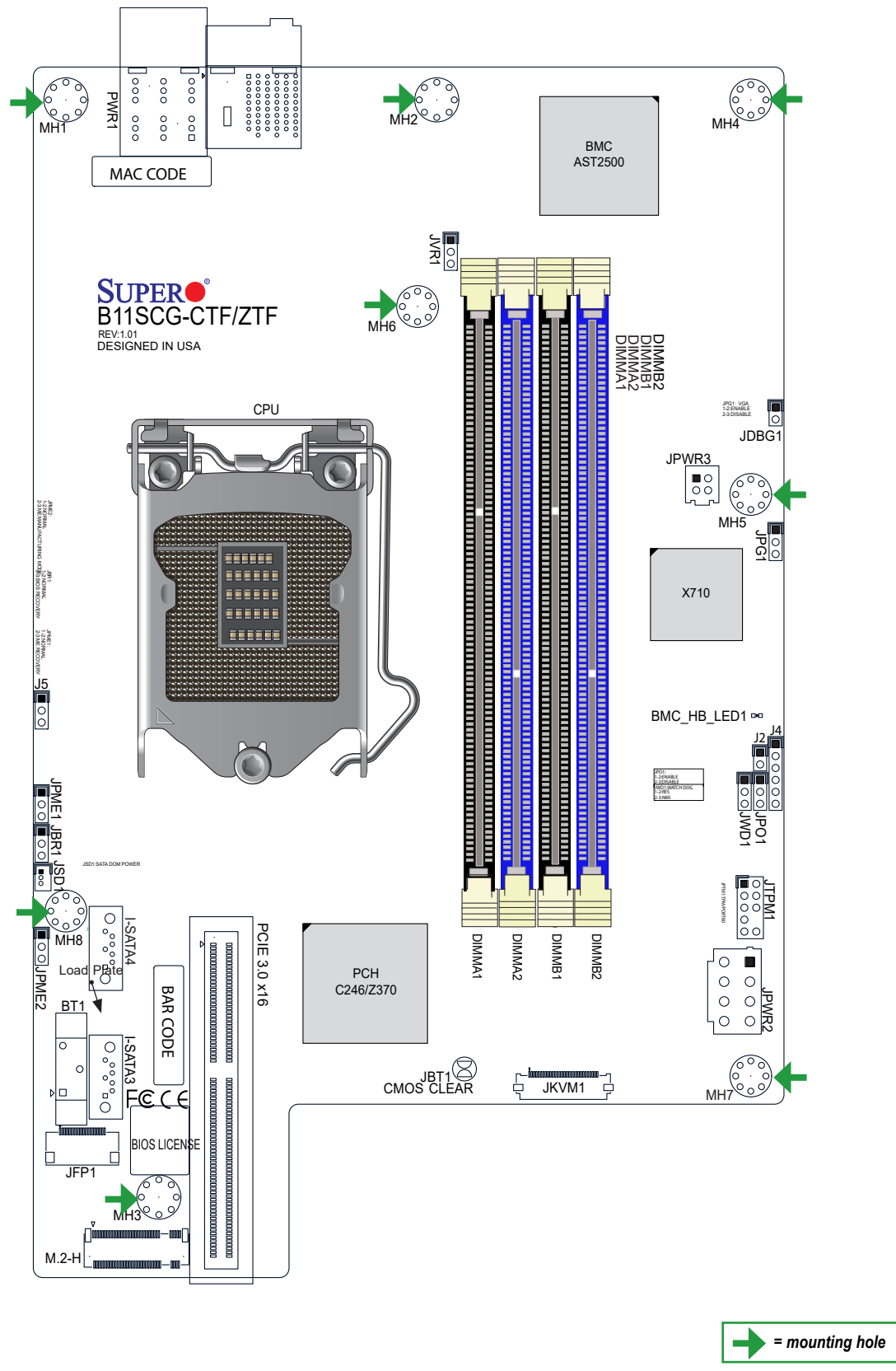
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**FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE**

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

**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**



**Jumpers, Connectors and LED Indicators**

Jumpers		
Jumper	Description	Default Setting
J5	PCIe Expansion Option	Pins 1-2 (x8 Slot1/x8 Slot 2 or x16 Slot1)
JBR1	BIOS Recovery	Pins 1-2 (Normal)
JBT1	Clear CMOS	Short: Clear CMOS Open: Normal
JPG1	VGA Enable/Disable	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 CMOS Battery
I-SATA4/I-SATA3	Intel® PCH SATA 3.0 Ports
J4	CPLD Programming Header (Manufacturing Use Only)
JDBG1	VRM Debug Jumper (Manufacturing Use Only)
JFP1	Front Panel Cable Connector
JKVM1	VGA/USB Module Connector
JPO1	Power Button Bypass (Manufacturing Use Only)
JPWR2	12V GPU Card Power Connector
JPWR3	4-pin Power Connector for SATA/SAS
JSD1	SATA DOM Power Connectors
JTPM1	Trusted Platform Module (TPM)/Port 80 Connector
JVR1	VRM Programming Header (Manufacturing Use Only)
M.2-H	M.2 Slot
PWR1	Power Receptacle to Chassis Backplane

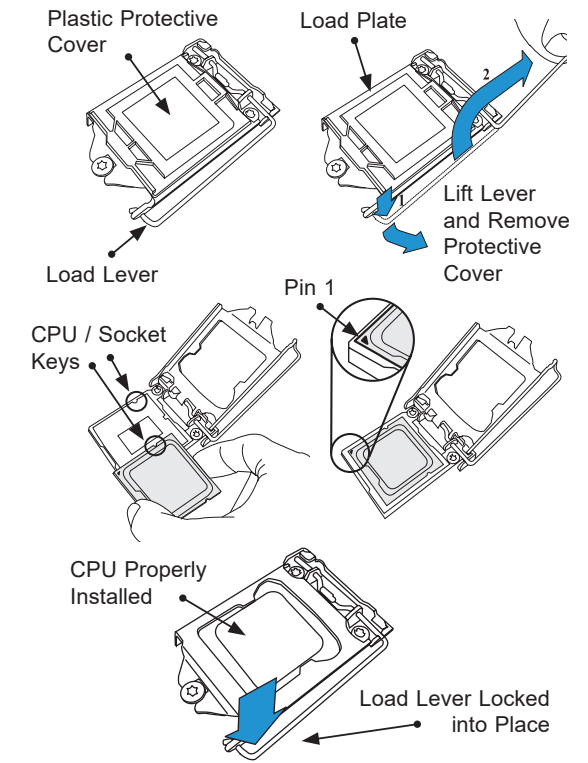
LED Indicators		
LED	Description	Status
BMC_HB_LED1	BMC Heartbeat LED	GREEN Blinking: Normal

**CPU Support and Installation**

The B11SCG-CTF motherboard supports the Intel® Xeon® E-2100 processor or an 8th/9th Generation Intel Core i3/Pentium®/Celeron® processors in a LGA 1151 (H4) socket.

The B11SCG-ZTF supports an 8th/9th generation Intel Core i7/i5/i3/Pentium/Celeron processors in an LGA1151 (H4) socket.

**CPU Installation**



**Memory Support and Installation**

The B11SCG-CTF supports up to 128GB of ECC UDIMM memory with speeds up to 2666MHz.

The B11SCG-ZTF supports up to 64GB of DDR4 Non-ECC UDIMM memory with speeds of up to 2666MHz.

See below for additional memory information.

- The blue slots must be populated first.
- Always use DDR4 memory 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. However, to achieve the best memory performance, a balanced memory population is recommended.

**Recommended Population (Balanced)**

DIMMA1	DIMMB1	DIMMA2	DIMMB2	Total System Memory
		4GB	4GB	8GB
4GB	4GB	4GB	4GB	16GB
		8GB	8GB	16GB
		16GB	16GB	32GB
16GB	16GB	16GB	16GB	64GB
		32GB	32GB	64GB
32GB		32GB	32GB	96GB
32GB	32GB	32GB	32GB	128GB

**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.

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

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