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**FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE DRIVERS/IMAGES/USER'S MANUAL FROM THE LINKS BELOW:**

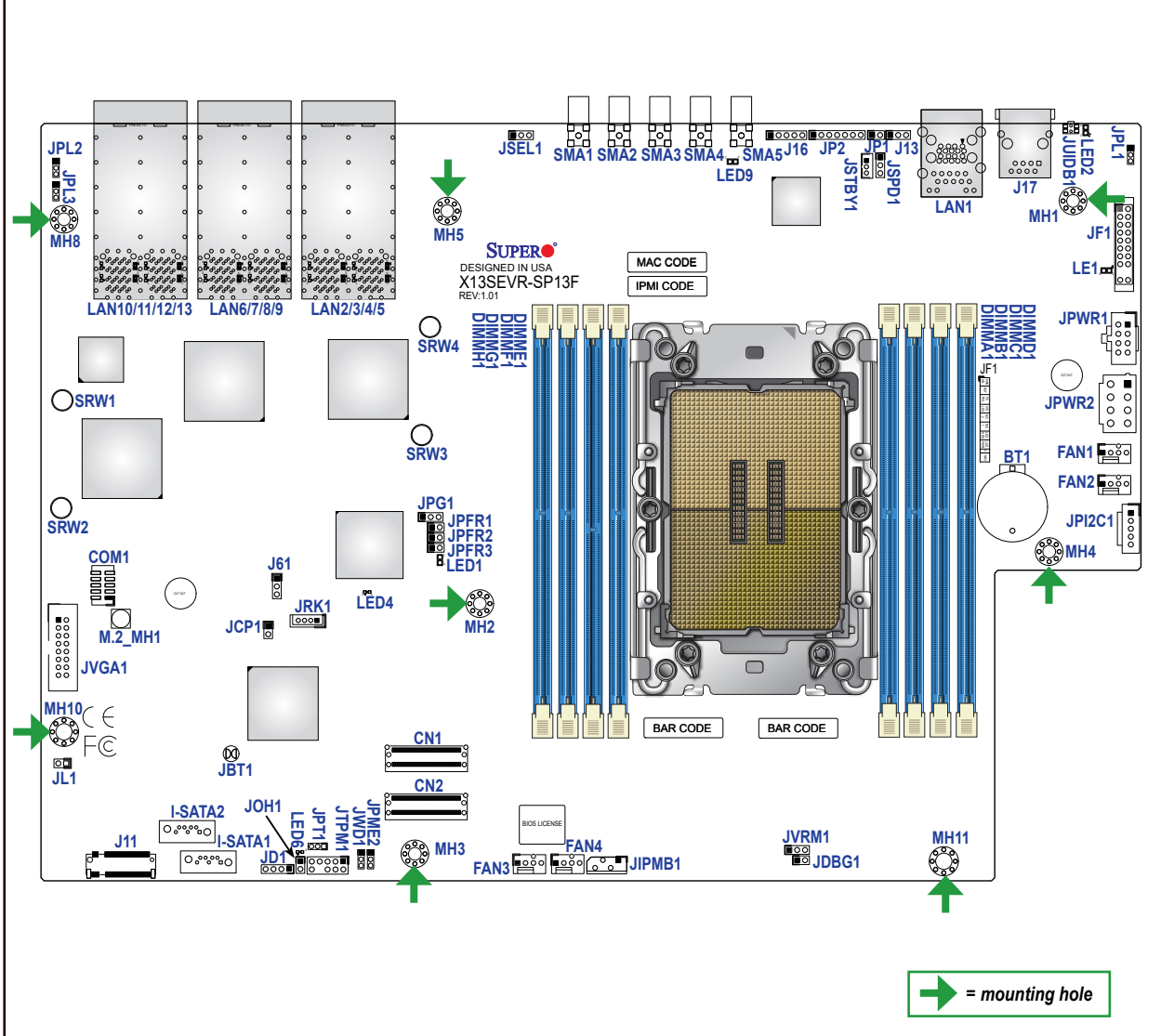
- Manuals: <http://www.supermicro.com/support/manuals>
- Drivers & Utilities: <https://www.supermicro.com/wdl/driver/>
- Safety: [http://www.supermicro.com/about/policies/safety\\_information.cfm](http://www.supermicro.com/about/policies/safety_information.cfm)

**PACKAGE CONTENTS**

- One Supermicro Motherboard
- One Quick Reference Guide
- Four SATA Cables
- One I/O Shield



**Motherboard Layout and Features**



**Jumpers and Connectors**

Jumpers		
Jumper	Description	Default Setting
JBT1	CMOS Clear	Open (Normal)
JPG1	VGA Enable/Disable	Pins 1-2 (Enabled)
JPL1	LAN1 Enable/Disable	Pins 1-2 (Enabled)
JPL2	LAN2/3/4/5 Enable/Disable	Pins 1-2 (Enabled)
JPL3	LAN6/7/8/9 Enable/Disable	Pins 1-2 (Enabled)
JPT1	Onboard TPM Enable/Disable	Pins 1-2 (Enabled)
JSEL1	SMA1 to SMA4 Voltage Level Selection	Pins 1-2 (3.3 V) Pins 2-3 (5 V)

Connectors	
Connector	Description
BT1	Extended CMOS Battery
CN1, CN2	PCIe 5.0 x8 MCIO Connectors
COM1	COM Header
FAN1-FAN4	Fan Headers
I-SATA1-2	SATA 3.0 Ports
J17	Dry Contact Connector
JF1	Front Control Panel Header
JIPMB1	4-Pin BMC External I <sup>2</sup> C Header
JL1	Chassis Intrusion
JOH1	Overheat LED Header
JPI2C1	Power System Management Bus (SMB) I <sup>2</sup> C Header
JPWR1	8-pin Power Connector (Required) Need to connect 24-pin ATX power cable to 8-pin
JPWR2	8-pin 12 V DC Power Connector (Required)
JRK1	Intel RAID Key Header
JSTBY1	Standby Power Header (5 V)
JTPM1	Trusted Platform Module (TPM) Header
JUIDB1	Unit Identifier (UID) Switch
JVGA1	VGA Header
LAN1-13	LAN Ports
MH1-MH5, MH8, MH10, MH11	Mounting Holes
M.2_MH1	M.2 Mounting Hole
SMA1-SMA5	SMA1: 1PPS Input, SMA2: 10 MHz Input, SMA3: 1PPS Output, SMA4: 10 MHz Output, SMA5: GNSS Antenna Input.
SRW1-SRW4	M.2 Mounting Holes

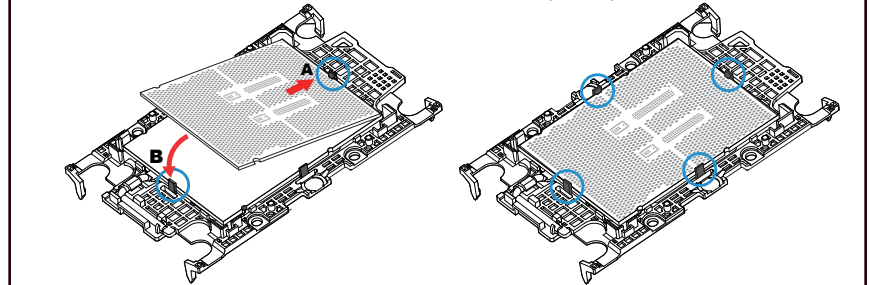
LED Indicators		
LED	Description	Status
LE1	Power LED	Solid Green: Power On
LED1	BMC Heartbeat LED	Blinking Green: BMC Normal
LED2	UID LED	Solid Blue: Unit Identified
LED6	Power/Fan Fail LED	Solid Red: Power/Fan Failed
LED9	GNSS Timepulse LED	Blinking Blue: Timepulse Normal

**CPU Support and Installation**

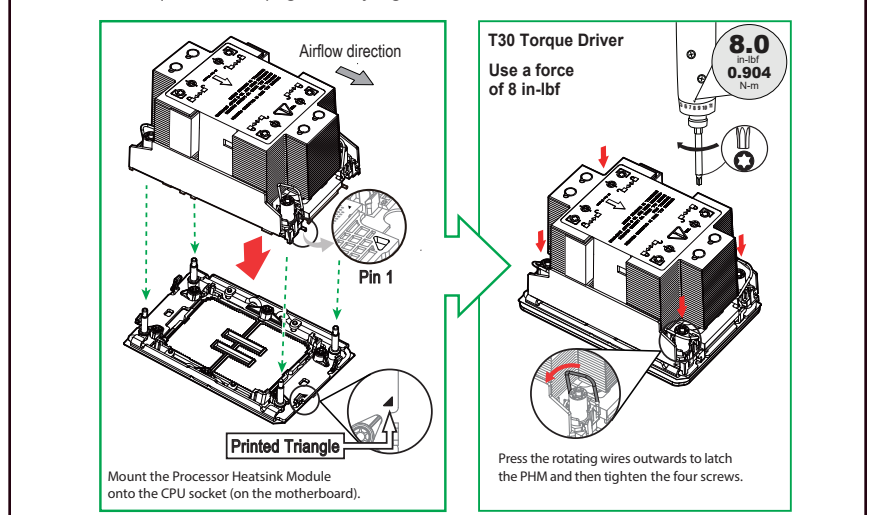
The X13SEVR-SP13F motherboard supports a 4th/5th Generation Intel<sup>®</sup> Xeon processor with up to 32 cores and a TDP of up to 225 W in an LGA4677 socket.

**CPU Installation**

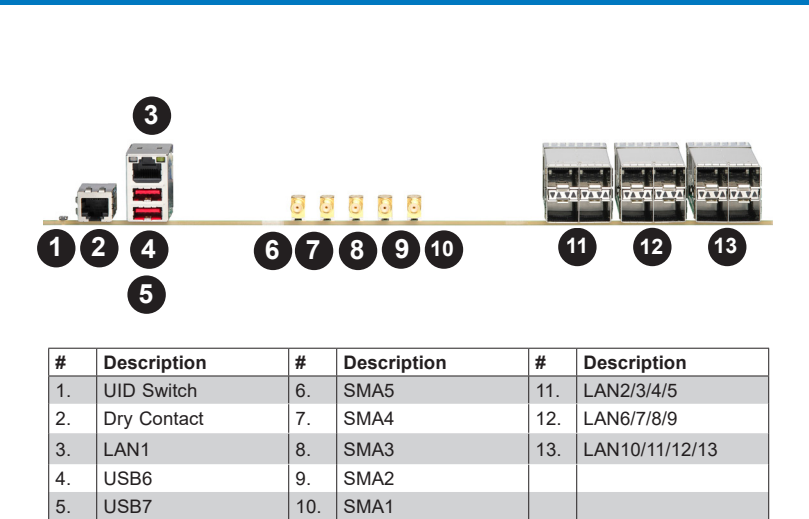
- Assemble the processor carrier assembly by inserting the CPU into the processor carrier.
- To form the processor heatsink module (PHM), mount the processor carrier assembly onto the heatsink and snap into place.



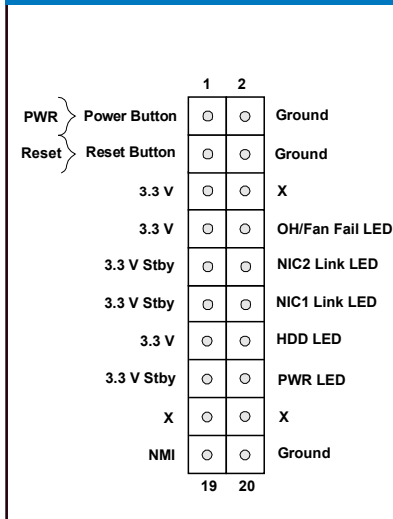
- After assembling the PHM, mount it onto the CPU socket of the motherboard. Use a T30 bit torque driver set to a force of 8 in-lbf (0.904 N-m), gradually tighten the four screws.



**Back Panel I/O Connectors**



**Front Control Panel**



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 2 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.