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

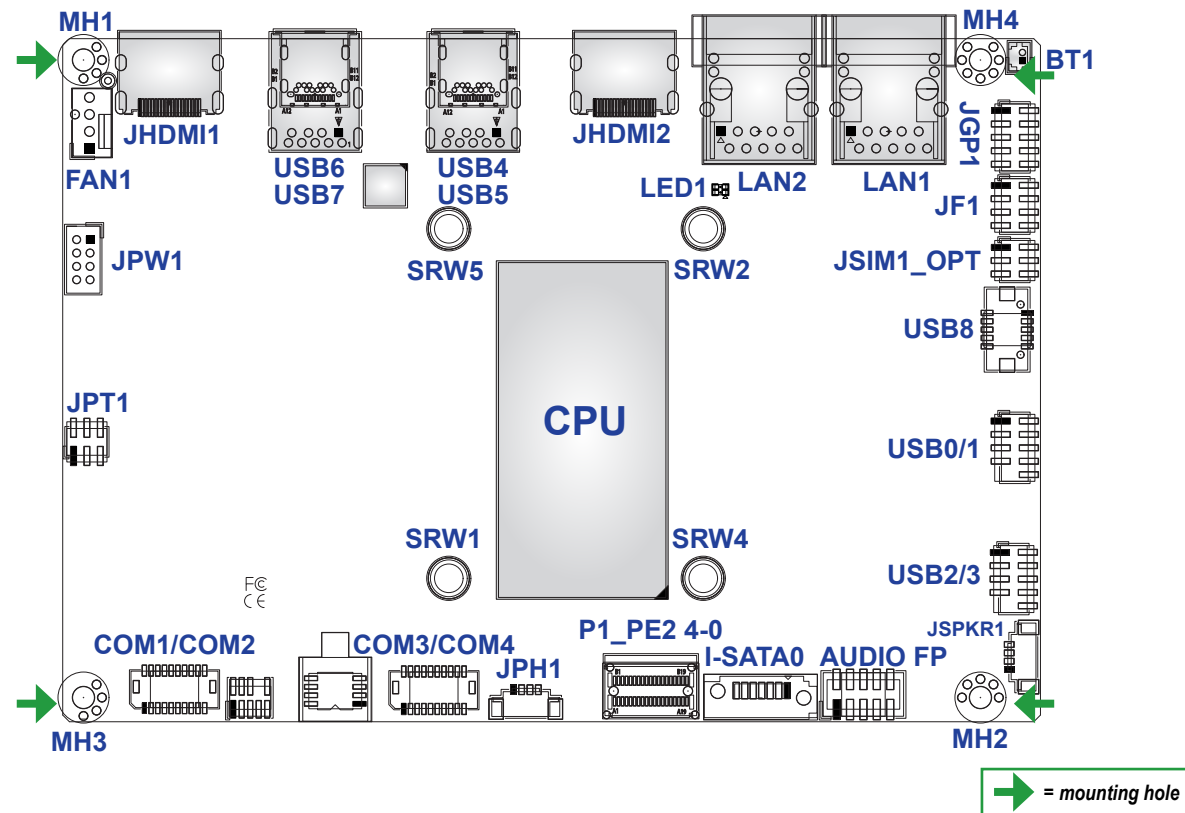
**PACKAGE CONTENTS**

- One Supermicro Motherboard with passive heatsink (-WOHS without heatsink)
- One Quick Reference Guide
- One Audio Cable (line-out, mic-in)
- One COM Cable
- One SATA Cable
- One SATA Power Cable
- One USB 2.0 Cable
- One DC IN Power Cable



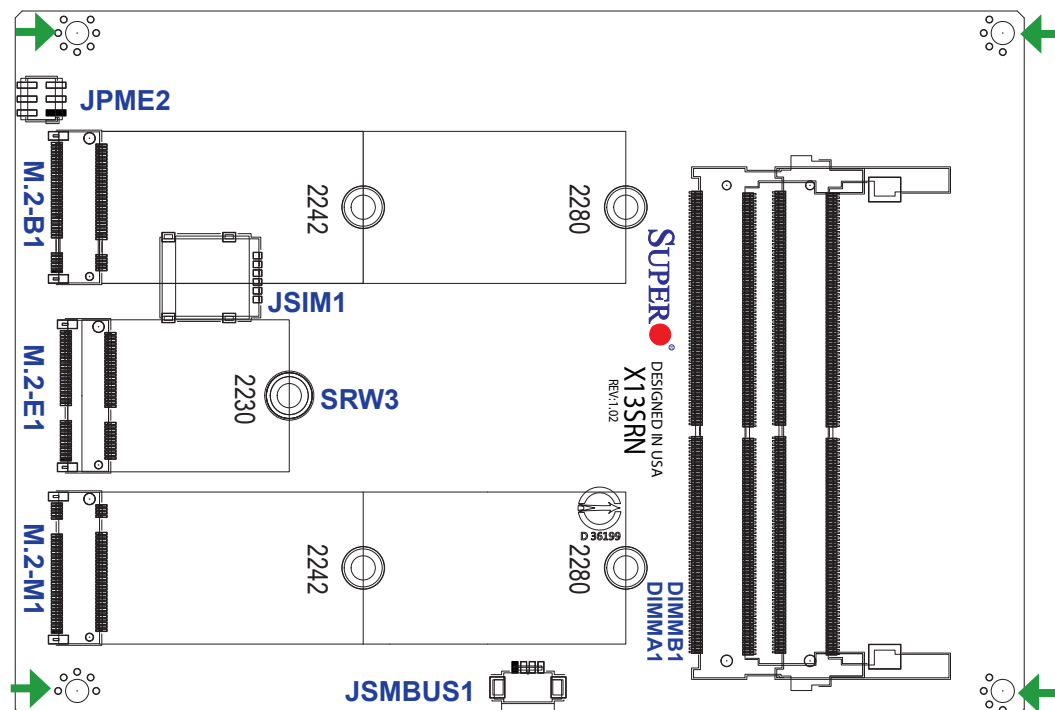
**Motherboard Layout and Features**

**Top Layout**



➔ = mounting hole

**Bottom Layout**



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, LED Indicators and Connectors**

**Jumpers**

Jumper	Description	Default
JPME2	CMOS Clear	Pins 1-3 (Normal)
	Manufacturing Mode	Pins 4-6 (Normal)
JPT1	Force Power On	Pins 2-4 (Force Power On)
	TPM 2.0 Enable/Disable	Pins 1-3 (Enable)
JSIM1_OPT	SIM Detect Option	Pins 2-4 (Low Active)
	5G/LTE USB/PCIe Option	Pins 1-3 (USB)
	M.2 B-Key Storage LED	Pins 5-6 (Enabled)

**LED Indicators**

LED	Description	Status
LED1	Onboard Power LED	Green: System On Red: S5 or Main Power Fail Off: System Off

**Connectors**

Connector	Description
BT1	Battery Cable Connector
FAN1	4-pin Fan Header
AUDIO FP	Front Panel Audio Header (Line-out, Mic-in)
COM1/COM2	COM Header for two RS232/422/485
COM3/COM4	COM Header for two RS232
I-SATA0	SATA 6 Gb/s Port
JF1	Front Control Panel Header
JGP1	8-bit General Purpose I/O Header
JHDMI1	Back Panel HDMI 2.0b Port
JHDMI2	Back Panel HDMI 1.4b Port
JPH1	4-pin HDD Power Connector
JPW1	8-pin 12-24 V Main Power-in Connector
JSIM1	Nano SIM Card slot
JSMBUS1	System Management Bus Header
JSPKR1	Speaker-out with 3 W Amplifier
LAN1, LAN2	2.5G RJ45 LAN Ports
M.2-B1	M.2 B-Key 2242/2280/3042 slot with a Nano SIM slot and support for SATA 6 Gb/s or PCIe 3.0 x1/USB 3.0/USB 2.0
M.2-E1	M.2 E-Key 2230 PCIe 3.0 x1/USB 2.0/Intel CNVi Slot
M.2-M1	M.2 M-Key PCIe 4.0 x4 2242/2280 Slot
P1_PE2 4-0	PCIe 4.0 x4 SlimSAS Slot
USB0/1, USB 2/3	Front Accessible USB 2.0 headers for four USB 2.0 Ports
USB4, USB6	USB 3.2 (10 Gb/s)/DisplayPort 1.4 Alt Mode Type-C ports on the rear I/O panel
USB5, USB7	USB 3.2 (10 Gb/s) Type-A ports on the rear I/O panel
USB8	USB 3.2 (5 Gb/s) Type-A

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

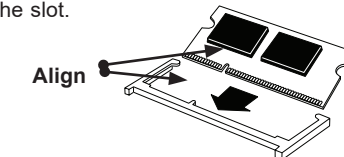
**CPU and Memory Support**

X13SRN-H/-H-WOHS supports 13th Generation Intel® Core™ i7-1370PE.  
 X13SRN-E/-E-WOHS supports 13th Generation Intel® Core™ i5-1350PE.

The X13SRN-H/-E and X13SRN-H/-E-WOHS support up to 64 GB of Non-ECC DDR5 SO-DIMM with speeds of up to 4800 MT/s in two memory slots.

**SO-DIMM Memory Installation**

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



2. Insert the SO-DIMM module vertically at about a 45-degree angle. Press down until the module locks into place. The side clips will automatically secure the SO-DIMM module, locking it into place.

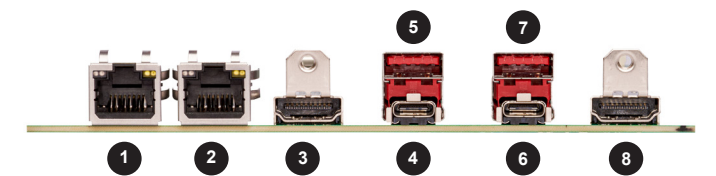


Insert this end first

**SO-DIMM Memory Uninstallation**

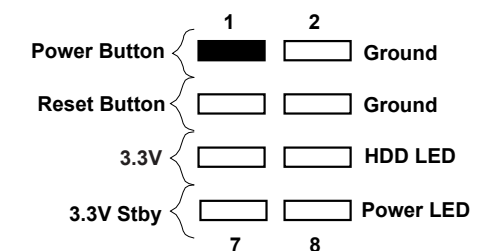
1. Push the side clips at the end of slot to release the SO-DIMM module. Pull the SO-DIMM module up to remove it from the slot.

**Rear I/O Panel Connectors**



#	Definition	#	Description
1	2.5G RJ45 LAN	5	USB 3.2 Type-A
2	2.5G RJ45 LAN	6	USB 3.2/DP 1.4 Type-C
3	HDMI 1.4b	7	USB 3.2 Type-A
4	USB 3.2/DP 1.4 Type-C	8	HDMI 2.0b

**Front Control Panel (JF1)**



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