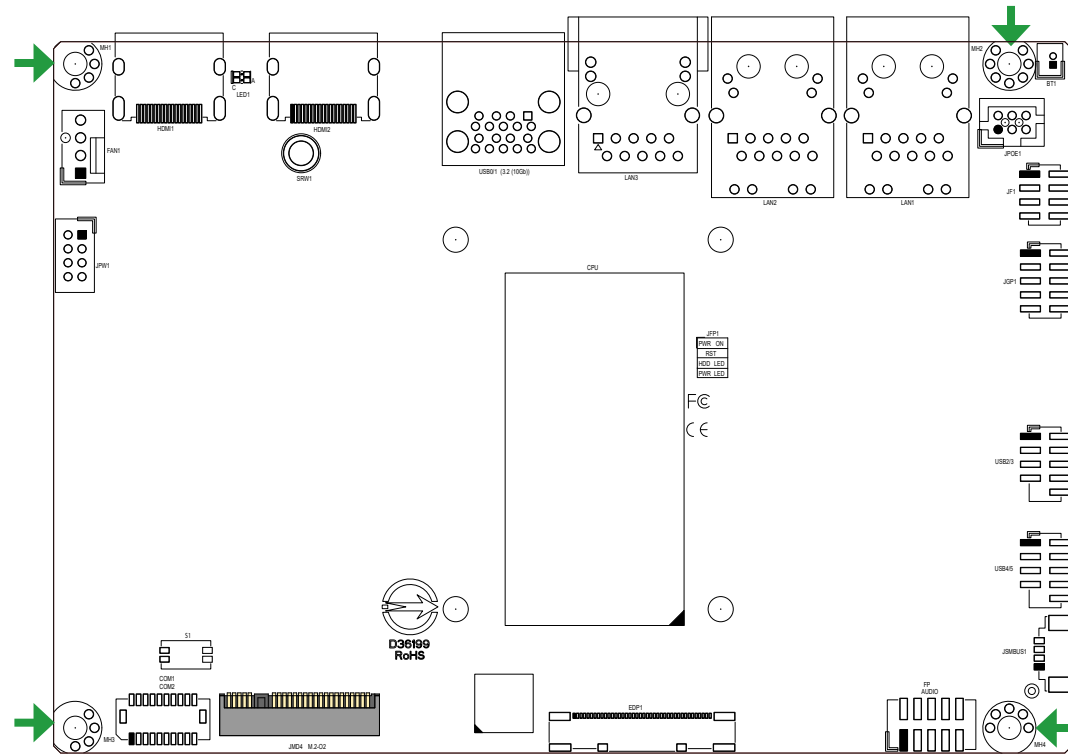
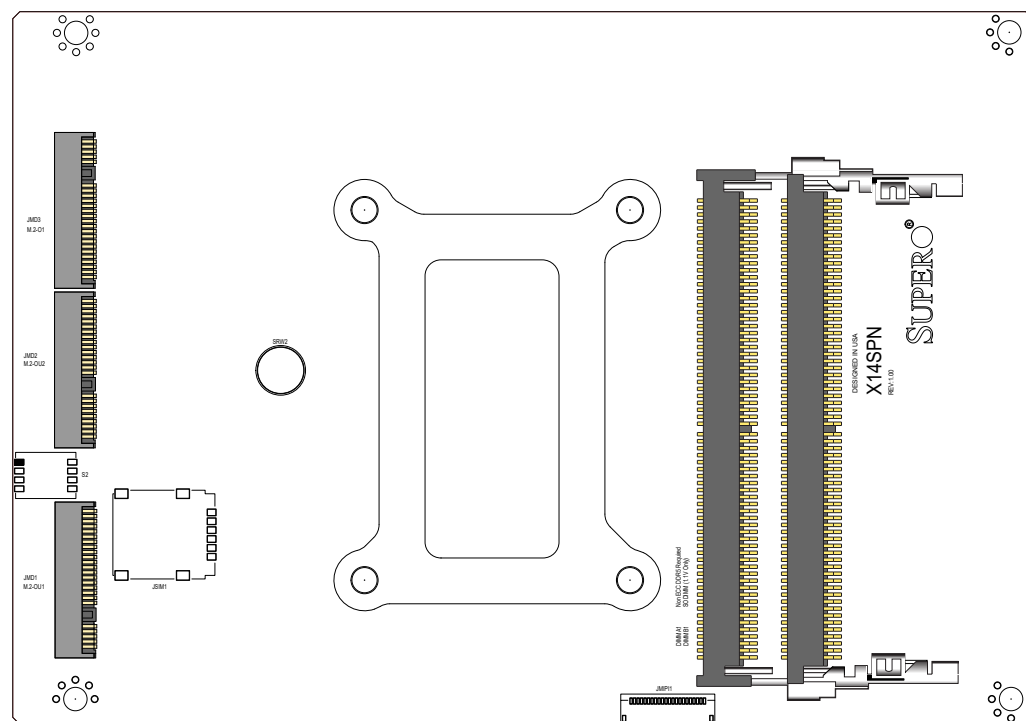


Motherboard Layout and Features

Top Layout



Bottom Layout



➔ = mounting hole

Download Drivers and Utilities: <https://www.supermicro.com/wdl/driver/>

Switches, Connectors, and LED Indicators

Switches

Jumper	Description	Default Setting
S1	Switch 1: Force Power On	OFF Position (Function Enabled)
	Switch 2: TPM 2.0 Enable/Disable	OFF Position (Function Enabled)
S2	Switch 1: ME Manufacturing Mode	OFF Position (Normal Mode)
	Switch 2: USB or PCIe Interface Option	OFF Position (USB)
	Switch 3: CMOS Clear	OFF Position (Normal Mode)
	Switch 4: SIM Detect	OFF Position (High Active)

Connectors

Connector	Description
BT1	Battery Cable Connector
COM1/COM2	COM Header for two RS232/422/485
EDP1	Embedded DisplayPort
FAN1	4-pin Fan Header
FP AUDIO	Front Panel Audio Header (Line-out, Mic-in)
JF1	Front Control Panel Header
JGP1	8-bit General Purpose I/O Header
HDMI1, HDMI2	HDMI 2.1 Port, HDMI 1.4 Port
JMD1	M.2 B-Key 2242/2280/3052 PCIe 4.0 x1/USB 3.2/USB 2.0 with Nano SIM Slot
JMD2	M.2 E-Key 2230 PCIe 4.0 x1/USB 2.0 Slot
JMD3	M.2 M-Key 2242/2280 PCIe 5.0 x4 Slot
JMD4	M.2 M-Key 2280 PCIe 4.0 x2 Slot
JMIPI1	Mobile Industry Processor Interface
JPOE1	Power over Ethernet Header
JPW1	8-pin +12–36 V Main Power-in Connector
JSIM1	Nano SIM Card Slot
JSMBUS1	System Management Bus Header
LAN1–LAN2	2.5G RJ45 LAN Ports
LAN3	1G RJ45 LAN Port
USB0/1	USB 3.2 (10 Gb/s) Type-A Ports
USB2/3, USB4/5	USB 2.0 Headers

LED Indicators

LED	Description	Status
LED1	Onboard Power LED	Green: System On Red: Standby Power Mode Off: System Off

Refer to the Component Installation section of the user manual for information on jumpers, connectors, LED Indicators, memory support, and processor installation instructions.

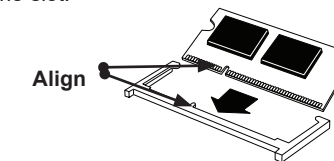
Processor and Memory Support

The X14SPN-H supports the Intel® Core™ Ultra X7 Processor 368H.
The X14SPN-E supports the Intel® Core™ Ultra 5 Processor 336H.
The X14SPN-L supports the Intel® Core™ Ultra 5 Processor 335.

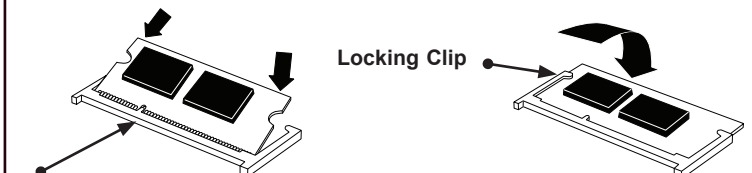
The X14SPN-H/-E/-L supports up to 128 GB of Non-ECC DDR5 SO-DIMM/CSO-DIMM memory with speeds of up to 7200 MT/s in two memory slots.

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.

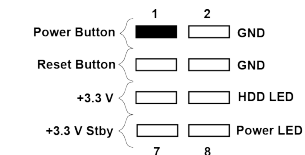


Insert this end first

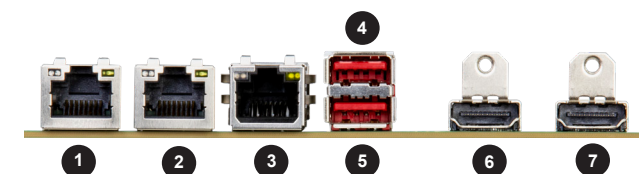
SO-DIMM Memory Uninstallation

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.

Front Control Panel (JF1)



I/O Ports



#	Description	#	Description
1	LAN1	5	USB 3.2 (10 Gb/s)
2	LAN2	6	HDMI 1.4 Port
3	LAN3	7	HDMI 2.1 Port
4	USB 3.2 (10 Gb/s)		