

CONTACT INFORMATION

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FOR YOUR SYSTEM TO WORK PROPERLY, PLEASE DOWNLOAD APPROPRIATE

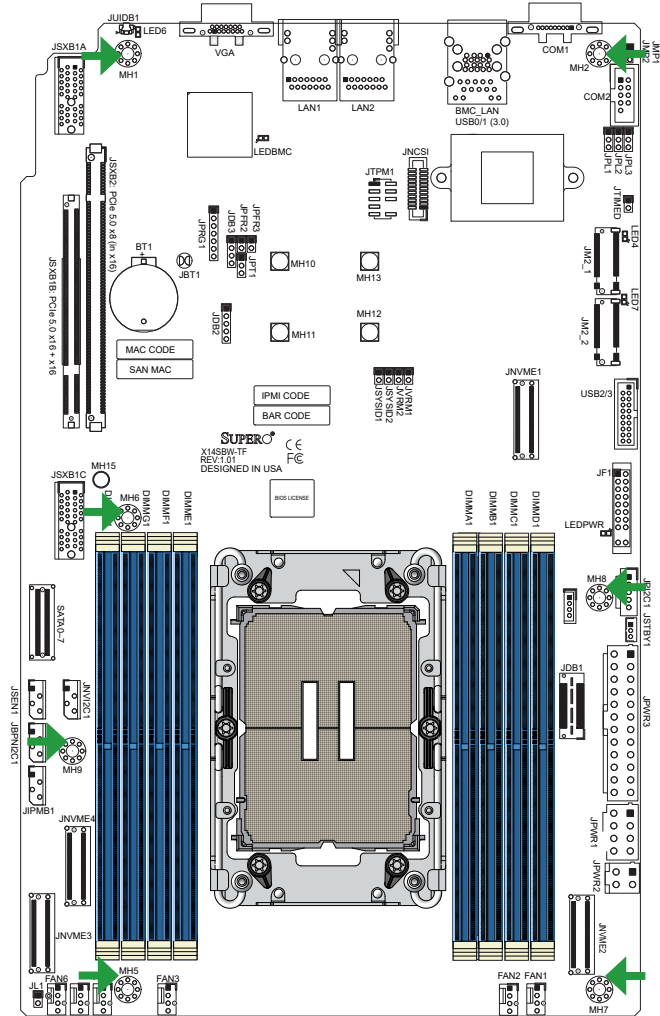
- DRIVERS/IMAGES/USER'S MANUAL FROM THE LINKS BELOW:**
- Manuals: <http://www.supermicro.com/support/manuals>
 - Drivers & Utilities: <https://www.supermicro.com/wdl/driver/>
 - Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS

- One Supermicro Motherboard
- One Quick Reference Guide
- One Slimline x8 to 4 SATA Ports Cable
- Two Processor Carriers

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.

Motherboard Layout and Features



➔ = mounting hole

Jumpers and Connectors

Jumpers		
Jumper	Description	Default Setting
JBT1	CMOS Clear	Open (Normal)
JPL1	i210 LAN1 Enable/Disable	Pins 1-2 (Enabled) Pins 2-3 (Disabled)
JPL2	i210 LAN2 Enable/Disable	Pins 1-2 (Enabled) Pins 2-3 (Disabled)
JPL3	X550 LAN1 and LAN2 Enable/Disable	Pins 1-2 (Enabled) Pins 2-3 (Disabled)
JPT1	TPM Enable	Pins 1-2 (Enabled) Pins 2-3 (Disabled)
JVRM1	VRM SMB Clock (to BMC)	Pins 1-2 (Normal)
JVRM2	VRM SMB Data (to BMC)	Pins 1-2 (Normal)

Connectors	
Connector	Description
BMC LAN	Dedicated BMC LAN Port
BT1	Onboard Battery
COM1, COM2	COM Port/COM Header
FAN1-FAN6	CPU/System Fan Headers
JBPNI ² C1	4-pin BMC External I ² C Header (for a BPN-NVME4-LA15-S4 backplane)
JF1	Front Control Panel Header
JIPMB1	System Management Bus Header (for IPMI only)
JL1	Chassis Intrusion Header
JM2_1, JM2_2	M.2 Connectors (supports M-Key 2280 and 22110)
JNCSI1	NC-SI Port Selection
JNVI ² C1	Non-volatile Memory (NVMe) I ² C Header
JNVME1-JNVME4	MCIO connectors that support PCIe 5.0 x8 devices
JPII ² C1	Power System Management Bus I ² C Header
JPWR1,	8-pin +12 V CPU Power Connector
JPWR2	4-pin +12 V CPU Power Connector
JPWR3	24-pin ATX Power Connector (Required)
JRK1	VROC RAID Key Header
JSEN1	Inlet Sensor Header
JSTBY1	Standby Power Connector
JTIMED	Timed GPIO Header
JTPM	Trusted Platform Module (TPM)/Port 80 Connector
JUIDB1	Unit Identifier Button
LAN1, LAN2	LAN (RJ45) Ports
SATA0-7 (Slimline SAS)	Asmedia SATA 3.0 Ports
SXB1A, SXB1B, SXB1C	PCIe 5.0 x16 + x16 Supermicro Proprietary WIO Left Add-on Card Slots

Connectors and LED Indicators

Connectors	
Connector	Description
SXB2	PCIe 5.0 x8 (in x16) Supermicro Proprietary WIO Right Add-on Card Slot
USB0/1	Back Panel USB 3.2 Gen 1 Ports
USB2/3	Front Panel USB 3.2 Gen 1 Headers
VGA	VGA Port

LED Indicators		
LED	Description	Status
LED4	M.2 LED	Blinking: Device Working
LED6	Unit Identifier LED	Solid Blue: Unit Identified
LED7	M.2 LED	Blinking: Device Working
LEDBMC	BMC Heartbeat	Blinking Green: Device Working
LEDPWR	Onboard Power LED	Solid Green: Power On

Processor and Memory Support

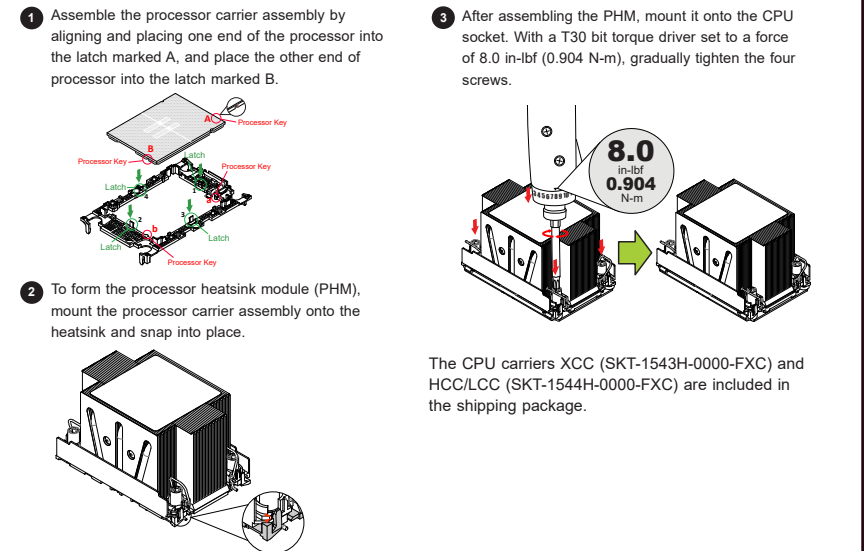
The X14SBW-TF/F motherboard supports the Intel® Xeon® 6700/6500-series processor with P-cores or the Intel® Xeon® 6700-series processor with E-cores, and a thermal design power (TDP) of up to 350 W.

The motherboard supports up to 2 TB of 3DS RDIMM/MRDIMM DDR5 ECC memory with speeds of up to 8000 MT/s in eight DIMM slots.

Intel Xeon 6700/6500 Series Processors with P-Cores DDR5 Memory Population Table (1 Processor and 8 DIMMs Installed, 1DPC)	
DIMM Counts	Memory Population Sequence (1DPC)
1 (Recommended)	DIMMA1
4 (Recommended)	DIMMA1/DIMMC1/DIMME1/DIMMG1 DIMMB1/DIMMD1/DIMMF1/DIMMH1
8 (Recommended)	DIMMA1/DIMMB1/DIMMC1/DIMMD1/DIMME1/DIMMF1/DIMMG1/DIMMH1

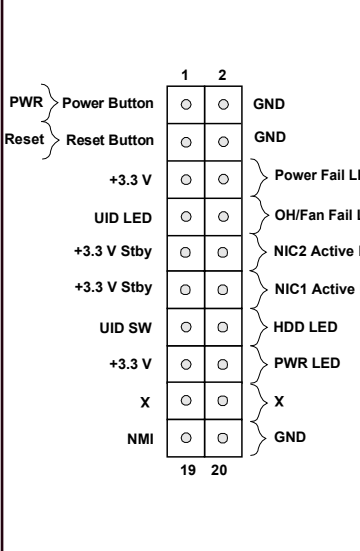
Intel Xeon 6700 Series Processors with E-Cores DDR5 Memory Population Table (1 Processor and 8 DIMMs Installed, 1DPC)	
DIMM Counts	Memory Population Sequence (1DPC)
1 (Recommended)	DIMMA1
4	DIMMA1/DIMMC1/DIMME1/DIMMG1 DIMMB1/DIMMD1/DIMMF1/DIMMH1
8 (Recommended)	DIMMA1/DIMMB1/DIMMC1/DIMMD1/DIMME1/DIMMF1/DIMMG1/DIMMH1

Processor and PHM Installation



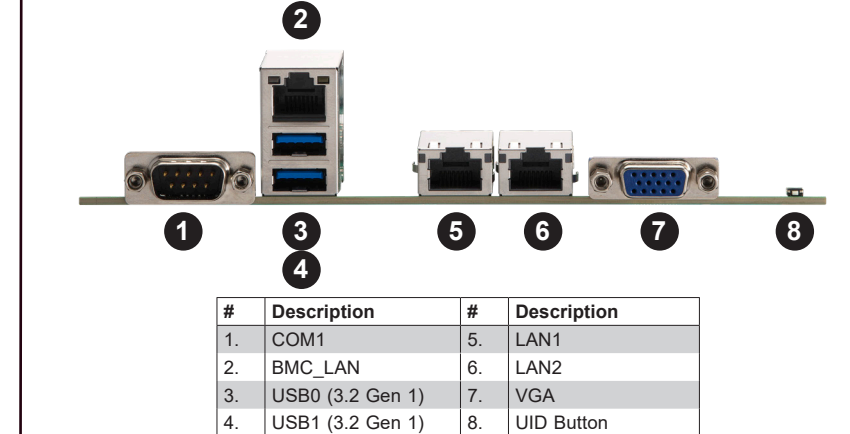
Note: Graphics shown in this quick reference guide are for illustrational purposes only. Your components may or may not look exactly the same as drawings shown in this guide.

Front Control Panel



Note: Refer to the Component Installation section of the user manual for detailed information on jumpers, connectors, and LED indicators.

I/O Ports



Note: Refer to the Component Installation section of the user manual for detailed information on memory support and CPU/motherboard installation instructions.