- Website: www.supermicro.com
- General Information: marketing@supermicro.com
- Technical Support: support@supermicro.com
  Phone: +1 (408) 503-8000, Fax: +1 (408) 503-8008

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

**Jumpers and Connectors** 

- Drivers & Utilities: https://www.supermicro.com/wdl/driver/
- Safety: http://www.supermicro.com/about/policies/safety\_information.cfm

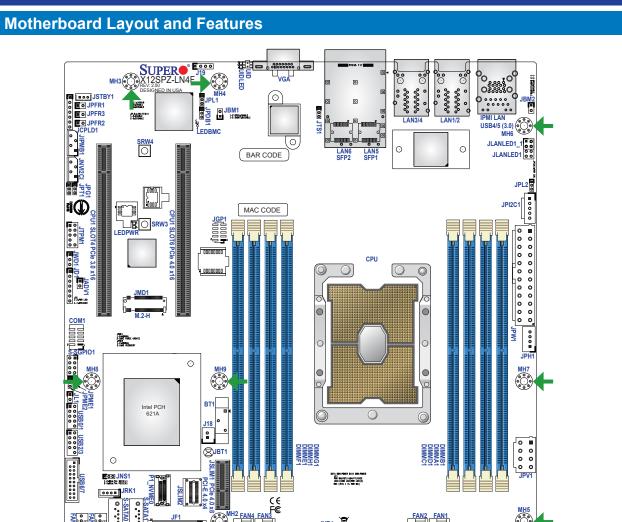
**Jumpers** 

## PACKAGE CONTENTS

- One Supermicro Motherboard
- One Quick Reference Guide
- One I/O Shield
- Two SATA Cables
  One CPU Carrier

lead, known to the State of California to cause cancer and bi defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

MNL-2291-QRG-10a



## Description **Default Setting** JBM1 Disable IPMI Share LAN Pins 1-1 (Enabled) Disable IPMI Dedicated/Share LAN Pins 1-1 (Enabled) CMOS Clear JBT1 Open (Normal) JNS1 OCulink to 4x SATA or PCle x4 Selection Pins 2-3 (PCIe x4) JPDB1 COM1 Function Selection Pins 1-2 (BMC COM port) JPG1 VGA Enable/Disable Pins 1-2 (Enabled) JPL1 LAN5/6 Enable/Disable Pins 1-2 (Enabled) LAN1/2/3/4 Enable/Disable JPL2 Pins 1-2 (Enabled) JPME1 ME Recovery Mode Pins 1-2 (Normal) JPME2 Manufacturing Mode Pins 1-2 (Normal) JPT1 Onboard TPM Enable/Disable Pins 1-2 (Enabled)

	Connectors				
Connector	Description				
BT1	Onboard Battery				
COM1	COM Header				
FAN1 - FAN4, FANA, FANB	CPU/System Fan Headers (FAN1: CPU Fan)				
IPMI LAN	Dedicated IPMI LAN Port				
J18	Extended COMS Battery Connector				
JD1	Speaker (Pins 1-3: Power LED, Pins 4-7: Speaker)				
JF1	Front Control Panel Header				
JGP1	General Purpose I/O Header				
JIPMB1	System Mangement Bus Header (for IPMI only)				
JL1	Chassis Intrusion Header				
JLANLED1	LAN3 - LAN6 Activity LED Header for SPLN6F				
JLANLED1_1	LAN3 - LAN4 Activity LED Header for LN4F				
JMD1	M.2 M-Key 2242/2280 (PCIe x4/SATA) Slot				
JNVI <sup>2</sup> C1	Non-Volatile Memory (NVMe) I <sup>2</sup> C Header				
JPH1	4-pin HDD Power Connector				
JPI <sup>2</sup> C1	Power I <sup>2</sup> C System Management Bus (Power SMB) Header				
JPW1	24-pin ATX Power Connector (Required)				
JPV1	8-pin CPU Power Connector (Required)				
JRK1	Intel RAID Key Header				
JSLIM1	PCIe 4.0 x8 SlimSAS Connector				
JSLIM2	PCIe 4.0 x4 SlimSAS Connector				
JSTBY1	Standby Power Header				
JTPM1	Trusted Platform Module (TPM)/Port 80 Connector				

## **Connectors and LED Indicators**

Connectors						
Connector	Description					
LAN1/2, LAN3/4	LAN RJ45 Port					
LAN5, LAN6	25G/10G Fiber LAN Ports					
MH2 - MH9	Mounting Holes					
P1_NVME0	OCulink Connector (to 4x SATA or PCIe x4)					
S-SATA0, S-SATA1	SATA 3.0 Ports					
S-SGPIO1	Serial Link General Purpose I/O Header					
SLOT4	CPU1 PCIe 4.0 x16 Slot					
SLOT6	CPU1 PCIe 4.0 x16 Slot					
SRW3, SRW4	M.2 Mounting Holes					
UID	Unit Identifier Switch					
USB0/1, USB2/3	Front Accessible USB 2.0 Headers					
USB4/5	Back Panel USB 3.0 Ports					
USB6/7	Front Accessible USB 3.0 Header					
VGA	VGA Port					

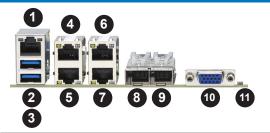
LED Indicators					
LED	Description	Status			
LEDBMC	BMC Heartbeat	Blinking Green: BMC Normal			
LEDPWR	Onboard Power LED	Solid Green: Power On			
UID LED	Unit Identifier LED	Solid Blue: Unit Identified			

## **CPU and Memory Support**

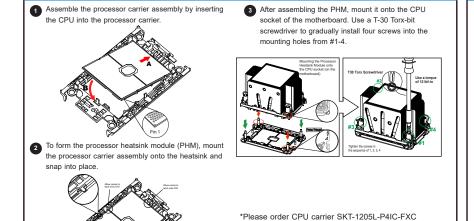
The X12SPZ-SPLN6F/LN4F motherboard supports a 3rd Generation Intel® Xeon Scalable Processor with up to 40 cores in a Socket P+ socket.

The motherboard supports up to 2TB of ECC RDIMM and LRDIMM DDR4 memory with speeds of up to 3200MHz in eight memory slots.

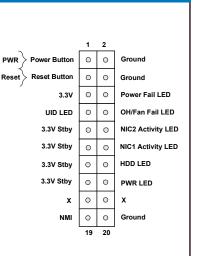




#	Description	#	Description	#	Description
1.	IPMI LAN	5.	LAN1	9	SFP28 LAN6
2.	USB5	6.	LAN4	10	VGA Port
3.	USB4	7.	LAN3	11	UID Switch
4.	LAN2	8.	SFP28 LAN5		



**CPU and PHM Installation** 



= mounting hole

**Front Control Panel** 

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

or SKT-1205L-P4IC-TYC from Supermicro to pair