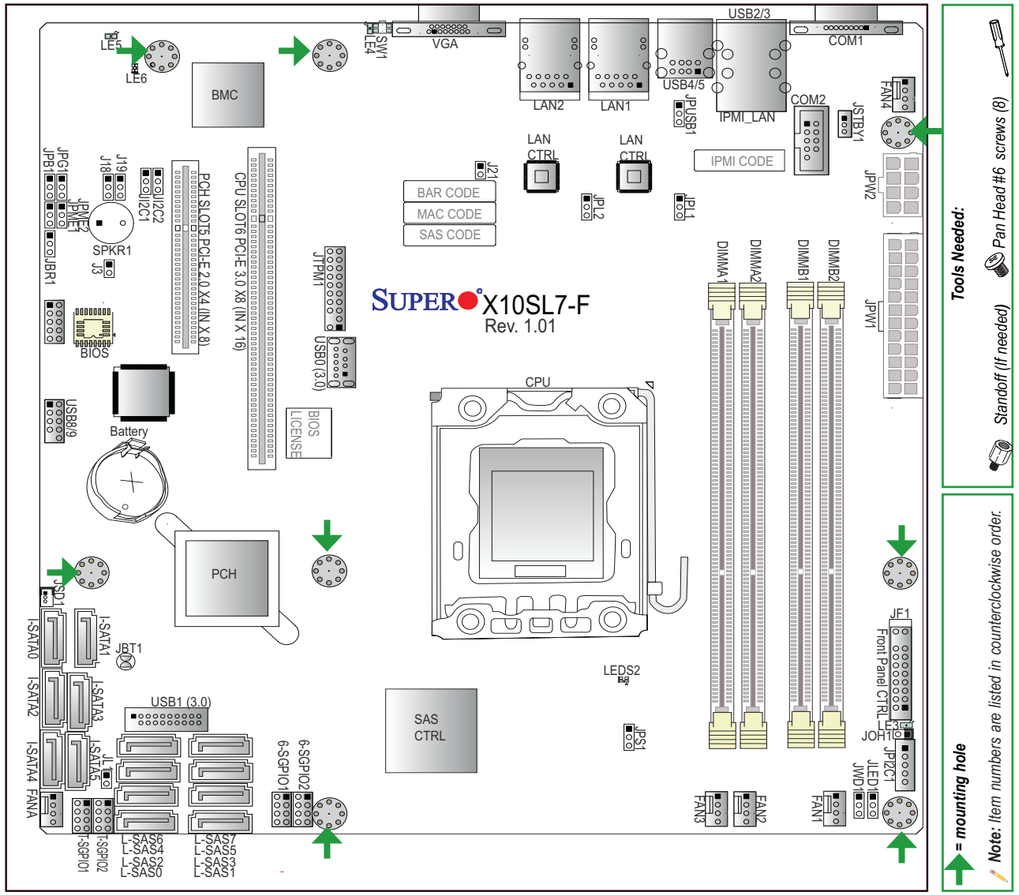
SUPERMICRO®
X10SL7-F
Quick Reference Guide Rev. 1.00

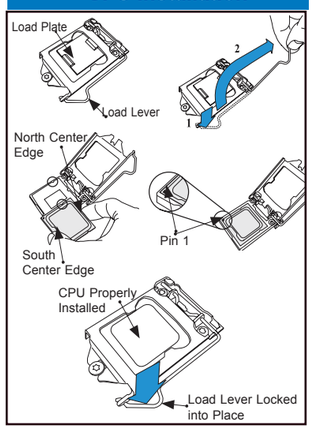
Contact Information
- www.supermicro.com (Email: support@supermicro.com)
- Manuals: http://www.supermicro.com/support/manuals
- Drivers & Utilities: ftp://ftp.supermicro.com
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

Package Contents
- One (1) Supermicro Motherboard
- Six (6) SATA Cables
- One (1) I/O Shield
- One (1) Quick Reference Guide

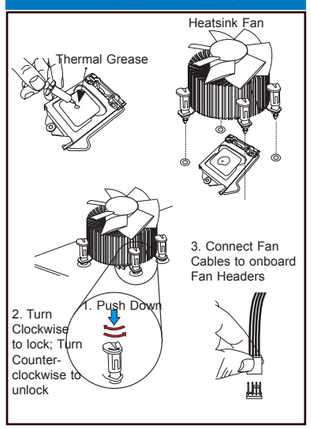
Motherboard Layout and Features



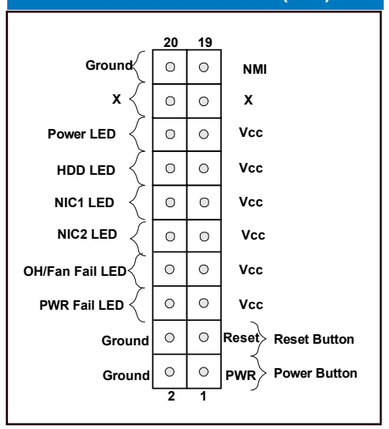
CPU Installation



Heatsink Installation



Front Panel Control (JF1)



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, Connectors and LED Indicators

Jumpers

Jumper	Description	Default
JBT1	CMOS Clear	(See Chpt. 2)
JI²C1/JI²C2	SMB to PCI-E Slots	Pins 2-3 (Disabled)
JPG1	VGA Enable	Pins 1-2 (Enabled)
JPL1/JPL2	LAN1/LAN2 Enable	Pins 1-2 (Enabled)
JPME1	ME Recovery	Pins 1-2 (Normal)
JPME2	Manufacture Mode Select	Pins 1-2 (Normal)
JPS1	SAS Enable	Pins 1-2 (Enabled)
JPUSB1	USB 4/5 Wake_up Enable	Pins 1-2 (Enabled)
JWD1	Watch Dog Enable	Pins 1-2 (Reset)

Connectors

Connector	Description
Battery	Onboard Battery
COM1/COM2	COM1 (Port)/COM2 (Header)
Fan1 - Fan4, FanA	System/CPU Fan Headers
JF1	Front Panel Control Header
JL1	Chassis Intrusion Header
JLED1	Power LED Indicator Header
JPI²C1	Power SMB (System Management Bus)
JPW1	24-pin ATX Main Power Connector (Required)
JPW2	+12V 8-pin CPU power Connector (Required)
JSD1	SATA DOM (Device_On_Module) Power Connector
JSTBY1	Standby Power Header
JTPM1	Trusted Platform Module/Port 80 Connector
LAN1/LAN2	Gigabit (RJ45) Ports (LAN1/2)
IPMI_LAN	IPMI_Dedicated LAN
I-SATA0/I-SATA1	(Intel PCH) Serial ATA (SATA 3.0) Ports 0/1 (6Gb/sec)
I-SATA 2 - I-SATA5	(Intel PCH) Serial ATA (SATA 2.0) Ports 2~5 (3Gb/sec)
L-SAS 0-7	SAS Connectors 0-7 (supported by the LSI 2308 SAS controller)
(PCH) Slot 5	PCI-Express 2.0 x4 in x8 Slot
(CPU) Slot 6	PCI-Express 3.0 x8 in x16 Slot
SPKR1	Internal Speaker/Buzzer
SW1	UID (Unit Identifier) Switch
6-SGPIO 1/2	Serial_Link General Purpose I/O Headers 1/2 for SAS Connections
T-SGPIO 1/2	Serial_Link General Purpose I/O Headers 1/2 for SATA Connections
USB 2/3, 4/5	Backpanel USB 2.0 Ports 2/3, 4/5
USB 0,1 (3.0)	USB 3.0 Ports 0, 1 (USB 0: Type A Connector)
USB 8/9	Front Panel Accessible USB 2.0 Headers 8/9
VGA	Backpanel VGA Port

LED Indicators

LED	Description	Color/State	Status
LE3	Standby Power LED	On: Power On	
LE4	UID LED	Blue (On): Unit Identified	
LE5	BMC Heartbeat LED	Green (Blinking): BMC Normal	
LE6	Power Status LED	Red: PWR Fail/Yellow: Standby PWR Active/Green: PWR On Normal	
LEDS2	SAS LED	Green (Blinking): SAS Active/Red (Solid On): SAS Error	

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

Memory Support

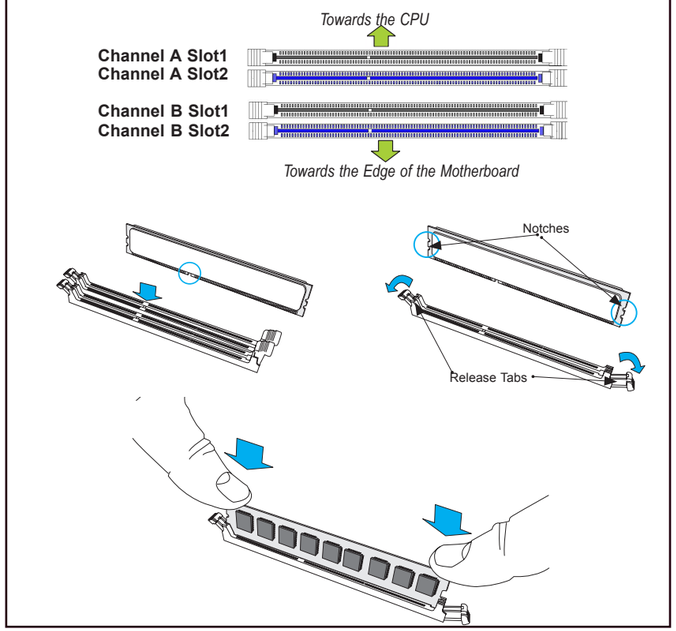
The X10SL7-F supports up to 32GB of Unbuffered (UDIMM) DDR3 ECC 1600/1333 MHz in 4 memory slots. Populating these DIMM modules with a pair of memory modules of the same type and same size will result in interleaved memory, which will improve memory performance.

Memory Population Guidelines

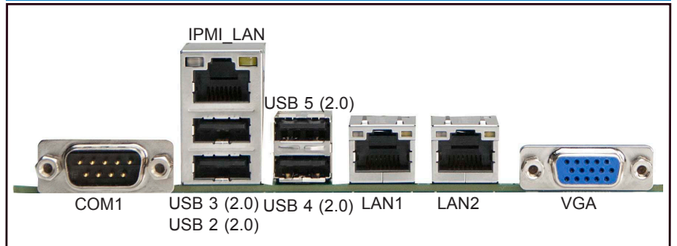
Please follow the table below when populating the X10SL7-F.

DDR3 Unbuffered ECC (UDIMM) Memory				
DIMM Slots per Channel	DIMMs Populated per Channel	DIMM Type	POR Speeds	Ranks per DIMM (any combination)
2	1	Unbuffered DDR3	1333, 1600	Single Rank, Dual Rank
2	2	Unbuffered DDR3	1333, 1600	Single Rank, Dual Rank

DIMM Memory Installation



Back Panel I/O Connectors



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

MNL-1463-QRG Rev. 1.00