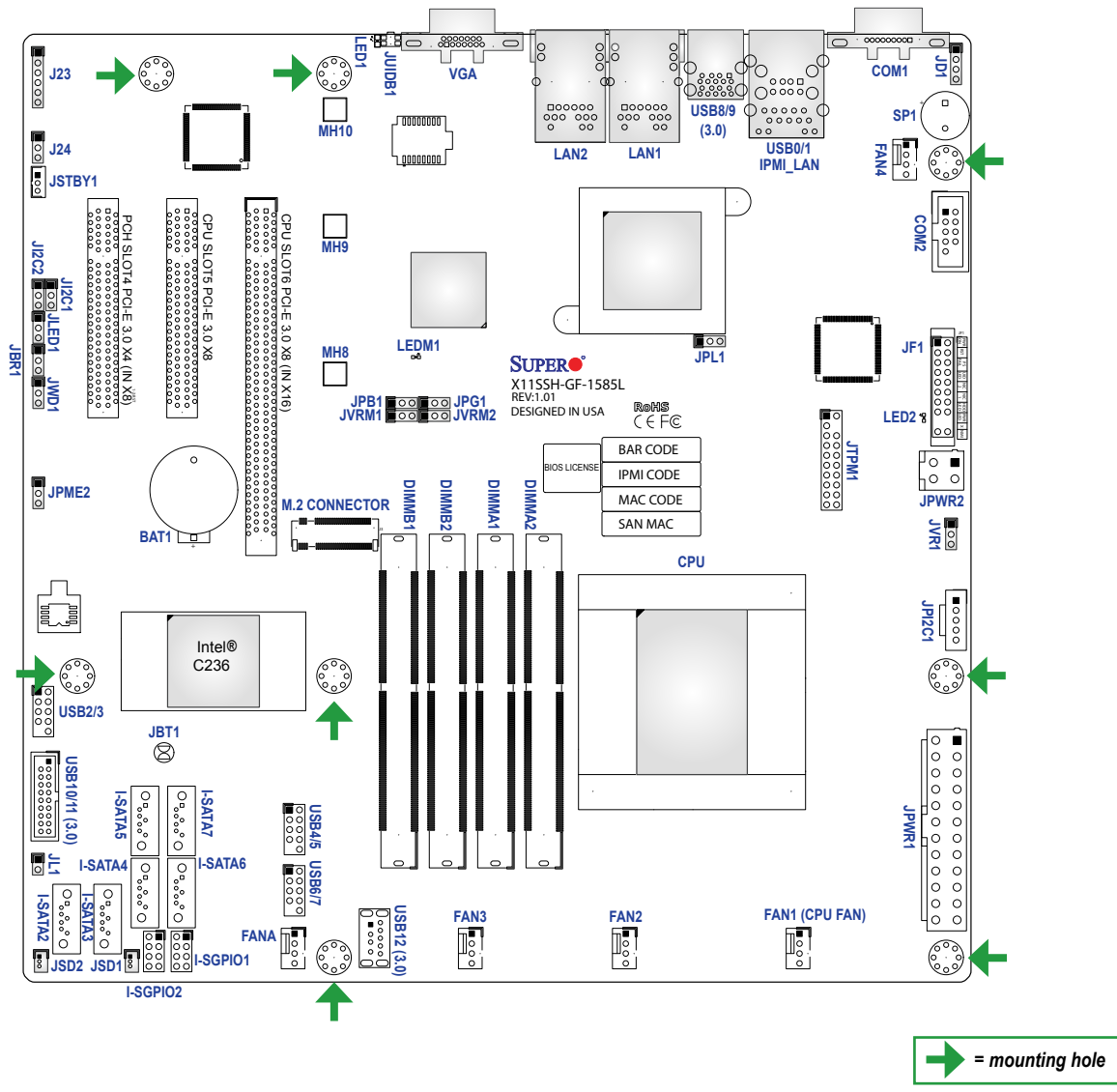




Motherboard Layout and Features



Jumpers and Connectors

Jumpers		
Jumper	Description	Default Setting
JBR1	BIOS Recovery	Pins 1-2 (Normal)
JBT1	CMOS Clear	Open (Normal)
JfC1/JfC2	SMB to PCI-E Slots Enable/Disable	Pins 2-3 (Disabled)
JLED1	Power LED Enable/Disable	Pins 1-2 (Enabled)
JPB1	BMC Enable/Disable	Pins 1-2 (Enabled)
JPG1	VGA Enable/Disable	Pins 1-2 (Enabled)
JPL1	LAN1/2 Enable/Disable	Pins 1-2 (Normal)
JPME2	ME Manufacturing Mode	Pins 1-2 (Normal)
JVRM1	VRM SMB Clock (to BMC or PCH)	Pins 1-2 (BMC, Normal)
JVRM2	VRM SMB Data (to BMC or PCH)	Pins 1-2 (BMC, Normal)
JWD1	Watch Dog Timer	Pins 1-2 (Reset)

Connectors	
Connector	Description
BAT1	Onboard CMOS Battery
COM1/COM2	Serial COM Ports
FAN1 ~ FAN4, FANA	System/CPU Fan Headers (FAN1: CPU Fan)
IPMI_LAN	Dedicated IPMI LAN Port
I-SATA2 ~ I-SATA7	Intel® PCH SATA 3.0 Ports
I-SGPIO1/I-SGPIO2	Serial Link General Purpose I/O Headers
JD1	Power LED/Speaker Header (Pins 1-3: Power LED, Pins 1-4: Speaker)
JF1	Front Control Panel Header
JL1	Chassis Intrusion Header
JPI2C1	Power Supply SMBus I2C Header
JPWR1	24-pin ATX Power Connector
JPWR2	4-pin CPU Power Connector
JSD1/JSD2	SATA DOM Power Connectors
JSTBY1	Standby Power Header
JTPM1	Trusted Platform Module/Port 80 Connector
JUIDB1	Unit Identifier Switch
JVR1	SMB Programmable Header (for debugging only)
LAN1/LAN2	LAN (RJ45) Ports
M.2	M.2 Slot
Slot 4	PCI-Express 3.0 X4 (IN X8) Slot supported by Intel® PCH
Slot 5	PCI-Express 3.0 X8 Slot supported by the CPU
Slot 6	PCI-Express 3.0 X8 (IN X16) Slot supported by the CPU
SP1	Internal Speaker/Buzzer
USB0/1	Back Panel Universal Serial Bus (USB) 2.0 Port
USB2/3, 4/5, 6/7	USB 2.0 Header
USB8/9 (3.0)	Back Panel Universal Serial Bus (USB) 3.0 Port
USB10/11 (3.0)	USB 3.0 Header
USB12	USB 3.0 Type A Header
VGA	Back Panel VGA Port

LED Indicators

LED Indicators		
LED	Description	Status
LED1	Unit Identifier LED	Blue: Unit Identified
LED2	Power LED	Solid Green: Power On
LEDM1	BMC Heartbeat LED	Blinking Green: BMC Normal

CPU Support

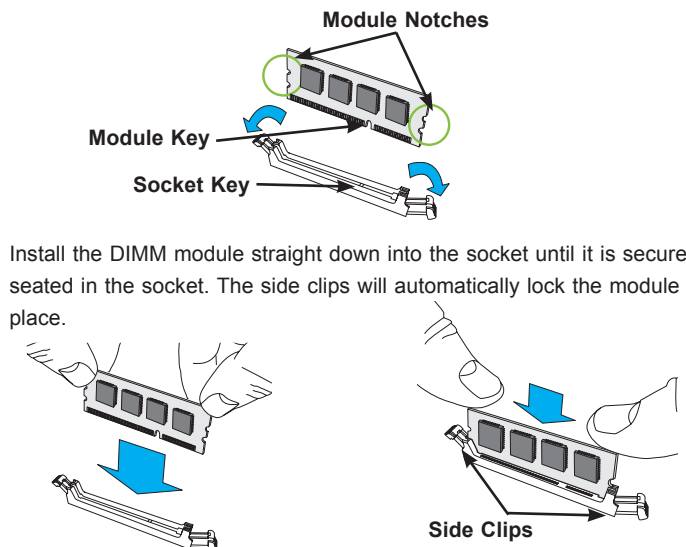
The X11SSH-GF/-GTF (-1585/-1585L) motherboard supports the Intel® E3-1500 v5 series of processors in a BGA socket type.

Memory Support

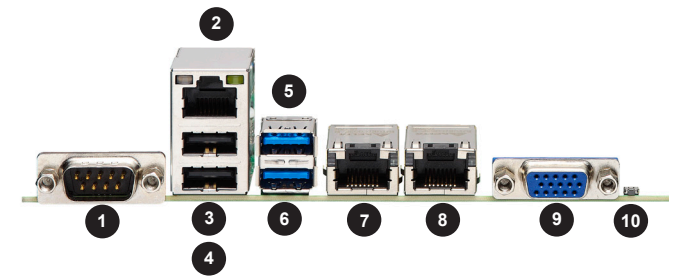
The X11SSH-GF/-GTF (-1585/-1585L) motherboard supports up to 64 GB of DDR4 ECC SO-DIMM in four memory slots.

SO-DIMM Memory Installation

- Align the key on the bottom of the DIMM module against the receptive point on the memory slot. Make sure to align the notches on the sides of a DIMM module with the locking clips on the socket to avoid damaging the memory module or the memory socket.



Back Panel I/O Connectors



#	Description	#	Description
1	COM Port	6	USB9 (3.0)
2	IPMI LAN Port	7	LAN1
3	USB0	8	LAN2
4	USB1	9	VGA Port
5	USB8 (3.0)	10	UID Switch

Front Control Panel (JF1)

	1	2	
PWR Power Button	○	○	Ground
Reset Reset Button	○	○	Ground
X	○	○	Power Supply Fail
3.3V Stby	○	○	UID LED
3.3V Stby	○	○	NIC2 Activity LED
3.3V Stby	○	○	NIC1 Activity LED
3.3V Stby	○	○	HDD LED
3.3V Stby	○	○	Power LED
X	○	○	X
NMI	○	○	Ground
	19	20	

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.

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

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