SUPERMICRO®
X11SBA-LN4F/F
Quick Reference Guide Rev. 1.00

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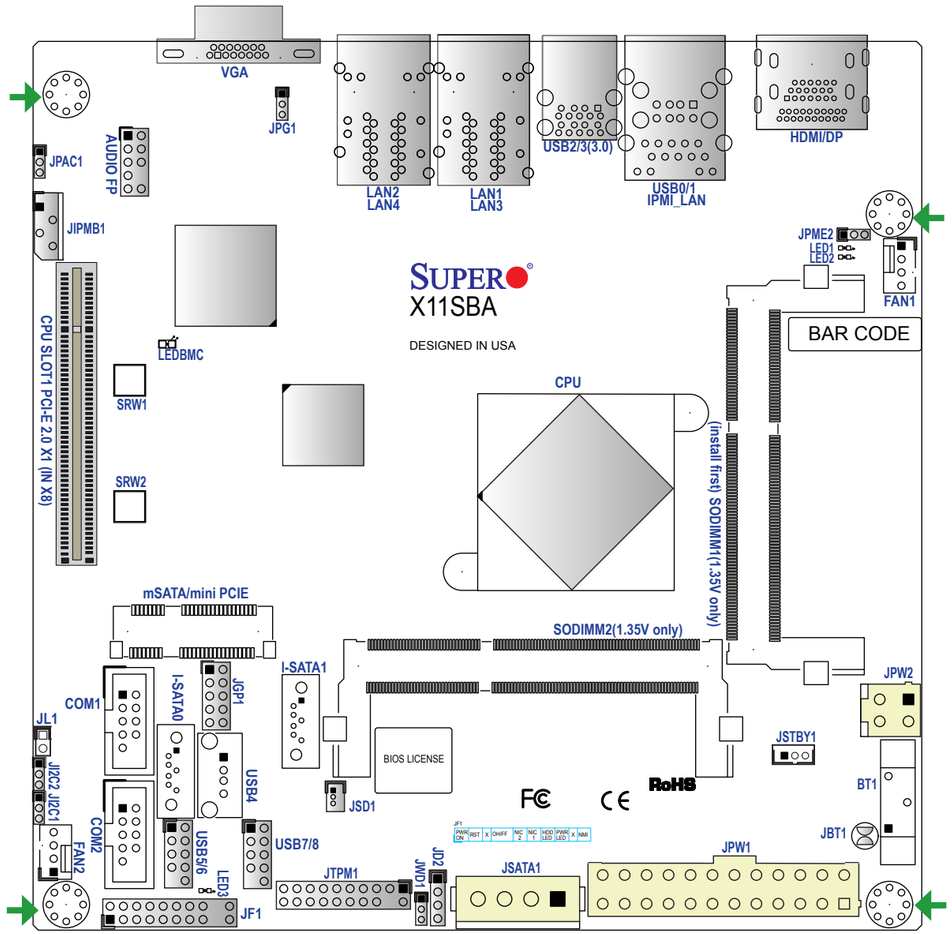
For your system to work properly, please download appropriate drivers/images/user's manual from the links below:
- Manuals: http://www.supermicro.com/support/manuals
- Drivers & Utilities: https://www.supermicro.com/wftp/driver/
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

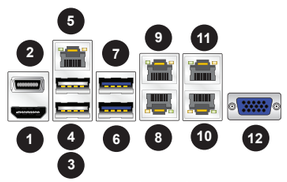
Package Contents
- One (1) Supermicro Motherboard
- Two (2) SATA Cables
- One (1) I/O Shield
- One (1) Quick Reference Guide

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

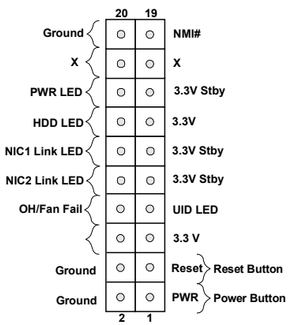


Back Panel I/O Connectors



#	Description	#	Description
1	HDMI	7	USB3 (3.0)
2	DispalyPort	8	LAN1
3	USB0	9	LAN3
4	USB1	10	LAN2
5	IPMI_LAN	11	LAN4
6	USB2 (3.0)	12	VGA Port

Front Control Panel (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 Setting
JBT1	CMOS Clear	Open: Normal, Short: Clear CMOS
JI²C1/JI²C2	SMB to PCI-E Slots Enable/ Disable	Pins 1-2 (Enabled)
JPAC1	Audio Enable	Pins 1-2 (Enabled)
JPG1	VGA Enable/Disable	Pins 1-2 (Enabled)
JPME2	ME Manufacturing Mode	Pins 1-2 (Normal)
JWD1	Watch Dog Timer	Pins 1-2 (Reset)

Connectors

Connector	Description
AUDIO FP	Front Panel Audio Header
BT1	Onboard Battery
COM1, COM2	Serial COM Headers
FAN1, FAN2	System/CPU Fan Headers
HDMI/DP	Back Panel High Definition Multimedia Interface/DisplayPort
IPMI_LAN	IPMI Dedicated LAN Port
I-SATA0, I-SATA1	Intel® Serial ATA 3.0 Headers (I-SATA1 supports SuperDOM)
JGP1	General Purpose I/O Header
JD2	External Speaker Header
JF1	Front Control Panel Connector
JIPMB1	4-pin External BMC I2C Header
JL1	Chassis Intrusion
JPW1	24-pin ATX Power Connector
JPW2	4-pin 12V Power Connector (Optional Power Source when the 24-pin ATX power is not in use)
JSATA1	4-pin Connector for HDD use (to provide power from the motherboard to onboard devices)
JSD1	SATA DOM Power Connector
JSTBY1	Standby Power Header
JTPM1	Trusted Platform Module/Port 80 Connector
LAN1 ~ LAN4	Gigabit LAN (RJ45) Ports (-LN4F SKU has four LAN Ports, -F SKU has two LAN Ports)
mSATA/mini-PCI-E	mSATA/mini-PCI-E Connector
SLOT1	CPU Slot PCI-E 2.0 X1 (IN X8)
SRW1, SRW2	mSATA Holding Screws
USB0/1	Back Panel Universal Serial Bus (USB) 2.0 Ports
USB2/3	Back Panel USB 3.0 Ports
USB4	USB Type A Header
USB5/6, USB7/8	Front Panel USB 2.0 Headers
VGA	Back Panel VGA Port

LED Indicators

LED	Description	Status	State
LED1	CPU Power LED	Blue: On	Power On
LED2	Standby Power LED	Green: On	Power On
LED3	Main Power LED	Green: On	Power On
LEDBMC	BMC Activity LED	Green: Blinking	BMC Normal

CPU Support

This motherboard supports an Intel® Pentium® Processor N3700 SoC (System on a Chip) in the FCBGA1170 format.

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

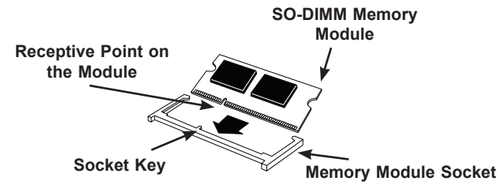
Memory Support

The X11SBA supports up to 8 GB of DDR3L (1.35, Low Voltage) Dual Channel, Non-ECC SO-DIMM up to 1600 MHz in two horizontal sockets. Populating these DIMM slots with a pair of memory modules of the same type and size will result in interleaved memory, which will improve memory performance.

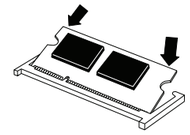
DIMM Memory Installation

Insert the desired number of SO-DIMMs into the memory slots, starting with SO-DIMM1, then SO-DIMM2.

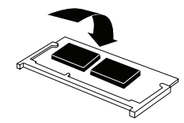
1. Align the receptive point on the bottom of the SO-DIMM module against the key on the memory socket. Note the notches on the side of the SO-DIMM module and those on the socket to avoid causing damage.



2. Line up the bottom of the SO-DIMM memory module with the edge of the horizontal socket.

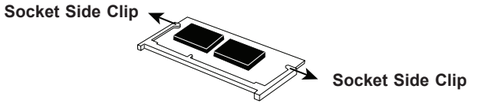


3. Once they are lined up, push the memory module into the memory socket until the module is securely seated in the socket.

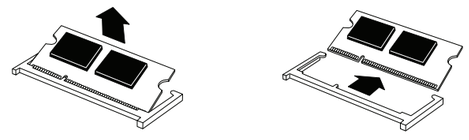


DIMM Memory Removal

1. Use your thumbs to gently push the side clips on both ends of the socket away from the SO-DIMM module to release it from the locked position.



2. Once the memory module is loosened from the socket, pull it upwards and outwards to remove it from the socket.



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

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