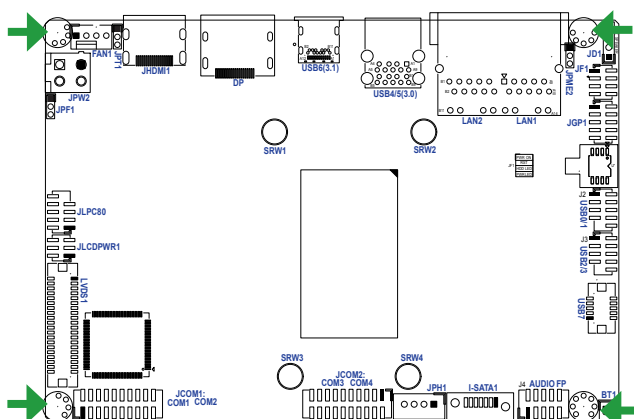
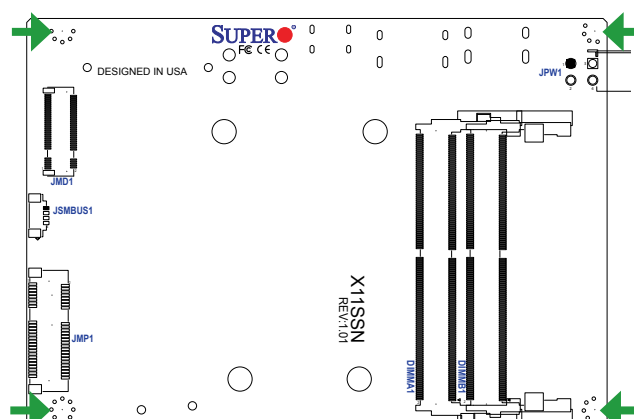


Motherboard Layouts and Mechanical Drawings

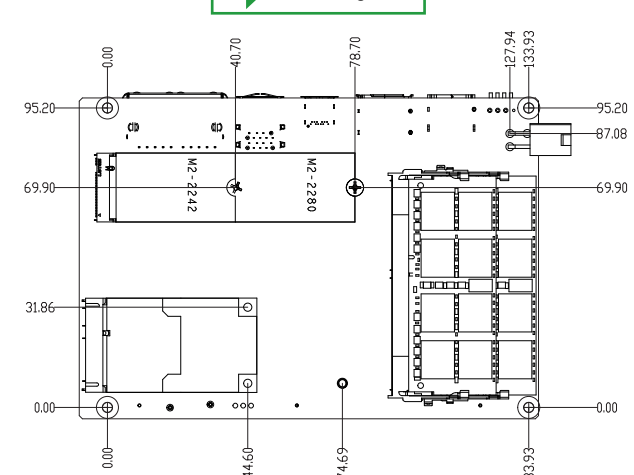
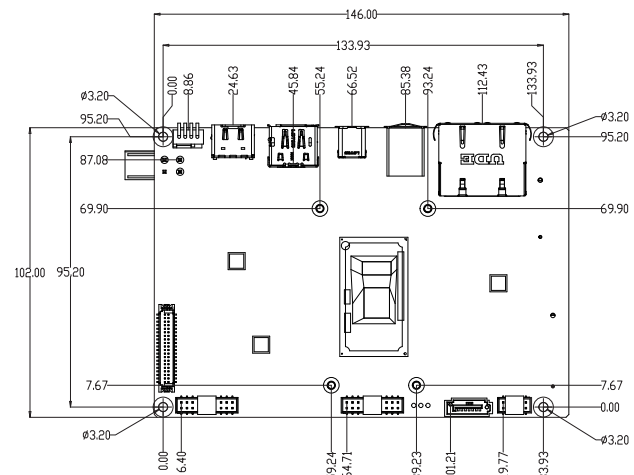
Top Layout and Mechanical Drawing



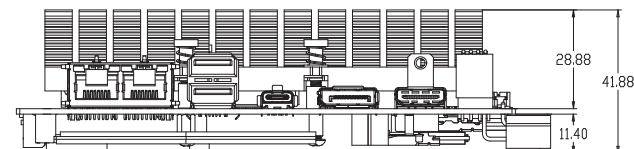
Bottom Layout and Mechanical Drawing



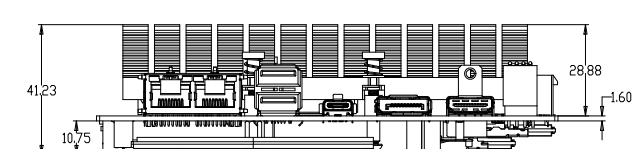
→ = mounting hole



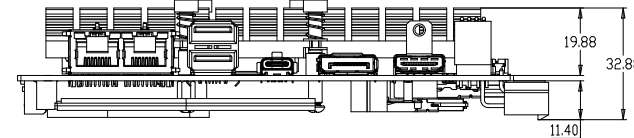
Back Panel I/O with Heatsink (X11SSN-H/E)



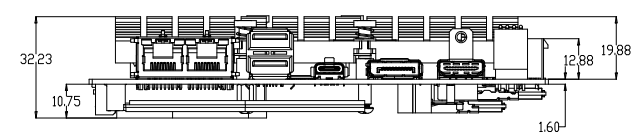
Back Panel I/O with Heatsink (X11SSN-H/E-VDC)



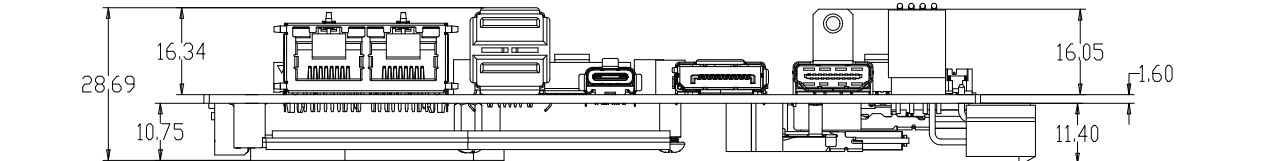
Back Panel I/O with Heatsink (X11SSN-L)



Back Panel I/O with Heatsink (X11SSN-L-VDC)



Back Panel I/O without Heatsink (X11SSN-H/E/L-WOHS)



Jumpers, Connectors & LED Indicators

Jumpers

Jumper	Description	Jumper Setting (Default *)
JLCDPWR1	LVDS Panel Power Source Selection	Pin 1-3* (3.3V) Pin 3-5 (5V) Pin 3-4 (12V)
JPF1	FORCE POWER ON	Pin 1-2* (FORCE POWER ON) Pin 2-3 (POWER BUTTON ON)
JPME2	Manufacturing Mode	Pin 1-2* (Normal) Pin 2-3 (Manufacturing)
JPT1	TPM Enable/Disable Header (not supported on X11SSN-L)	Pin 1-2* (Enable) Pin 2-3 (Disable)

Connectors

Connector	Description
AUDIO FP	Front Panel Audio Header (Mic-In/Line-Out)
BT1	Battery Connector (To Clear CMOS, remove the battery, short pins 1-2 and install the battery.)
DP++	DisplayPort
FAN1	System Fan Header
I-SATA1	SATA 3.0 Port
JCOM1: COM1/COM2	COM Headers (JCOM1 supports two RS232/RS422/RS485, JCOM2 supports two RS232)
JCOM2: COM3/COM4	
JD1	Speaker Header (Pins 1-4)
JF1	Front Control Panel Header (Power/HDD LED, Reset, Power button)
JGP1	8-bit General Purpose I/O Header
JHDMI1	Back Panel HDMI 2.0 Port
JLPC80	Port 80 Connector (for debugging only)
JMD1	M.2 Slot B-KEY 2280/2242/3042 (SATA 3.0 / PCI-E x 2 / USB 2.0)
JMP1	Full Size Mini PCI-E Slot with mSATA (SATA 3.0 / PCI-E x 1 / USB 2.0)
JPH1	SATA Power Connector (for one HDD system)
JPW1	4-pin 12V R/A Type Power Connector (for X11SSN-H/E/L and X11SSN-H/E/L-WOHS)
JPW2	4-pin 12V Vertical Type Power Connector (for X11SSN-H/E/L-VDC)
JSMBUS1	System Management Bus Header
LAN1, LAN2	LAN (RJ45) Ports
LVDS1	Dual Channel 48-bit LVDS Connector
SRW1 ~ SRW4	M.2 and Mini PCI-E Mounting holes
USB0/1	USB 2.0 x 2 Header
USB2/3	USB 2.0 x 2 Header
USB4/5	Back Panel USB 3.0 Ports
USB6	USB 3.1 Type C Port
USB7	USB 3.0 OTG Header (one USB 3.0, one USB 2.0)

CPU Support

X11SSN-H supports 7th Generation Intel® Core™ i7-7600U
X11SSN-E supports 7th Generation Intel® Core™ i5-7300U
X11SSN-L supports 7th Generation Intel® Core™ i3-7100U

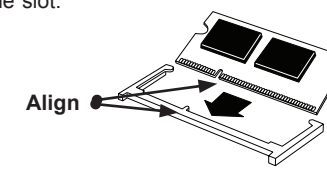
Note: Refer to Chapter 1 of the User Manual for detailed information on jumpers, connectors, and LED indicators.

Memory Support

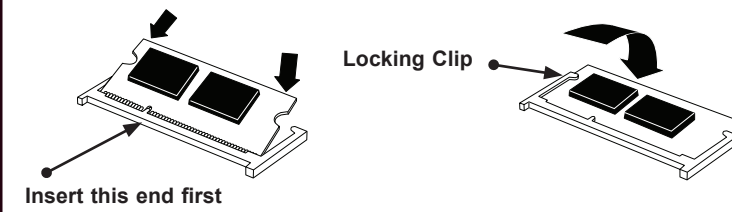
The X11SSN-H/-E/-L motherboard supports up to 32GB of DDR4 2133MHz SO-DIMM in two memory slots.

SO-DIMM Memory Installation

1. Position the SO-DIMM module's bottom key so it aligns with the receptive point on the slot.



2. Insert the SO-DIMM module vertically at about a 45-degree angle. Press down until the module locks into place. The side clips will automatically secure the SO-DIMM module, locking it into place.



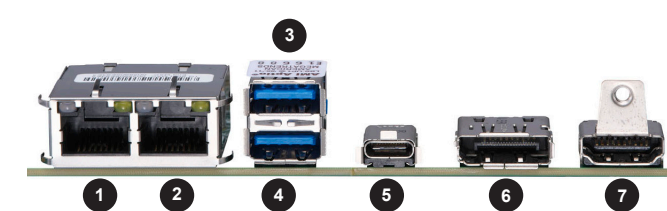
SO-DIMM Removal

1. Push the side clips at the end of slot to release the SO-DIMM module. Pull the SO-DIMM module up to remove it from the slot.

Front Control Panel (JF1)

	1	2	
PWR	○	○	Ground
Reset	○	○	Ground
	○	○	HDD LED
	○	○	Power LED
	7	8	

Back Panel I/O Connectors



#	Definition	#	Description
1	LAN1	5	USB6 (3.1)
2	LAN2	6	DP++
3	USB5 (3.0)	7	HDMI 2.0 Port
4	USB4 (3.0)		

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

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.