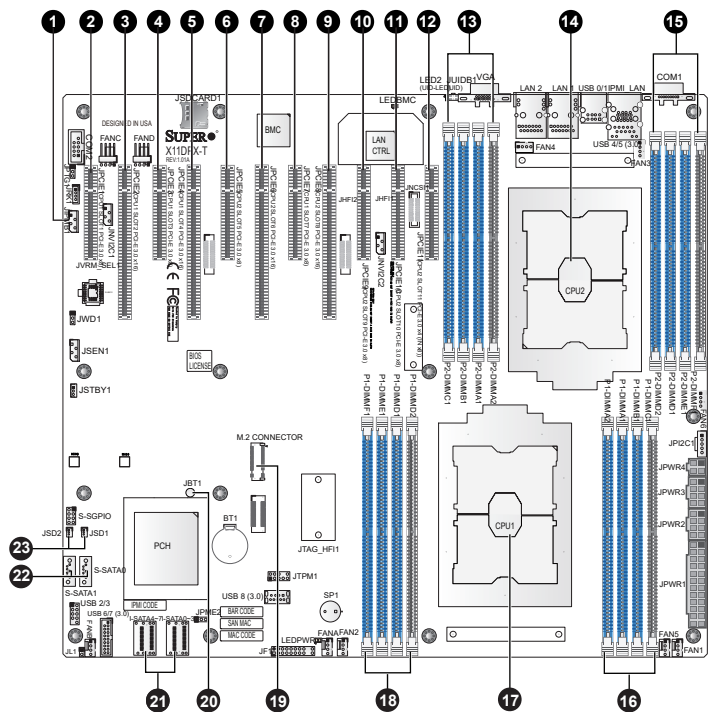


SUPERMICR® SuperServer 6039P-TXRT Quick Reference Guide

Board Layout



No. Description

1	JIPMB1 (VROC-key)
2	CPU1 Slot1 PCI-E 3.0 x8
3	CPU1 Slot2 PCI-E 3.0 x16 or x8 (by MUX with CPU1 Slot1)
4	CPU1 Slot3 PCI-E 3.0 x8
5	CPU1 Slot4 PCI-E 3.0 x16
6	CPU2 Slot5 PCI-E 3.0 x8
7	CPU2 Slot6 PCI-E 3.0 x16 or x8 (by MUX with CPU2 Slot5)
8	CPU1 Slot7 PCI-E 3.0 x8
9	CPU2 Slot8 PCI-E 3.0 x16
10	CPU2 Slot9 PCI-E 3.0 x8
11	CPU2 Slot10 PCI-E 3.0 x8
12	CPU2 Slot11 PCI-E (DMI) 2.0 x4 (in x8)
13	P2-DIMMC1/ P2-DIMMB1/ P2-DIMMA1/ P2-DIMMA2 (Black)
14	CPU2 Socket
15	P2-DIMMD2 (Black)/ P2-DIMMD1/ P2-DIMME1/ P2-DIMMF1
16	P1-DIMMC1/ P1-DIMMB1/ P1-DIMMA1/ P1-DIMMA2 (Black)
17	CPU1 Socket
18	P1-DIMMD2 (Black)/ P1-DIMMD1/ P1-DIMME1/ P1-DIMMF1
19	M.2 CONNECTOR (PCI-E 3.0 x4 from PCH)
20	JBT1 (CMOS Clear)
21	I-SATA0~3/ I-SATA4~7 (Intel® PCH SATA 3.0 Ports)
22	S-SATA0/ S-SATA1 (SATA 3.0 Ports with Power-pin Built-in)
23	JSD1/JSD2 (SATA DOM Power Connectors 1/2)

Memory

Populate DIMM Memory Modules

Processors and Memory Module Population for Optimal Performance	
Number of CPUs + DIMMs	CPU and Memory Population Configuration Table (For memory to work properly, follow the instructions below)
1 CPU & 1 DIMMs	CPU1 & P1-DIMMA1
1 CPU & 2 DIMMs	CPU1 & P1-DIMMA1/P1-DIMMD1
1 CPU & 3 DIMMs	CPU1 & P1-DIMMA1/P1-DIMMB1/P1-DIMMC1
1 CPU & 4 DIMMs	CPU1 & P1-DIMMA1/P1-DIMMB1/P1-DIMMD1/P1-DIMME1
1 CPU & 5~8 DIMMs	CPU1 & P1-DIMMA1/P1-DIMMD1, P1-DIMMB1/P1-DIMME1, P1-DIMMC1/ P1-DIMMF1, P1-DIMMA2/P1-DIMMD2
2 CPUs & 2 DIMMs	CPU1 + CPU2 & P1-DIMMA1, P2-DIMMA1
2 CPUs & 4 DIMMs	CPU1 + CPU2 & P1-DIMMA1/P1-DIMMD1, P2-DIMMA1/P2-DIMMD1
2 CPUs & 6 DIMMs	CPU1 + CPU2 & P1-DIMMA1/P1-DIMMB1/ P1-DIMMC1, P2-DIMMA1/P2-DIMMB1/ P2-DIMMC1
2 CPUs & 8 DIMMs	CPU1 + CPU2 & P1-DIMMA1/P1-DIMMB1/P1-DIMMD1/P1-DIMME1, P2-DIMMA1/P2-DIMMB1/ P2-DIMMD1/P2-DIMME1
2 CPUs & 10 DIMMs	CPU1 + CPU2 (6+4) & P1-DIMMA1/P1-DIMMD1/P1-DIMMB1/P1-DIMME1/P1-DIMMC1/ P1-DIMMF1 P2-DIMMA1/P2-DIMMB1/P1-DIMMD1/P2-DIMME1
2 CPUs & 12~16 DIMMs	CPU1 + CPU2 & P1-DIMMA1/P1-DIMMD1, P1-DIMMB1/P1-DIMME1, P1-DIMMC1/ P1-DIMMF1, P1-DIMMA2/P1-DIMMD2 P2-DIMMA1/P2-DIMMD1, P2-DIMMB1/P2-DIMME1, P2-DIMMC1/ P2-DIMMF1, P2-DIMMA2/P2-DIMMD2

DDR4 Memory Support for the Intel Xeon Scalable Processor Platform

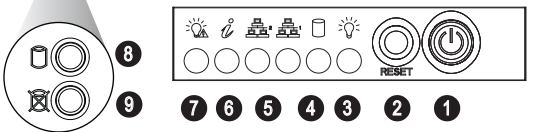
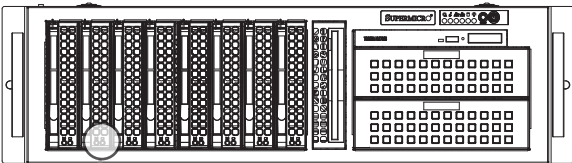
Type	Ranks Per DIMM and Data Width	DIMM Capacity (GB)	Speed (MT/s); Voltage (V); Slots per Channel (SPC) and DIMMs per Channel (DPC)			
			2 Slots per Channel			
			1DPC (1-DIMM per Channel)		2DPC (2-DIMM per Channel)	
		4 Gb	8 Gb	1.2 V	1.2 V	
RDIMM	SRx4	4 GB	8 GB	2666	2666	
RDIMM	SRx8	8 GB	16 GB	2666	2666	
RDIMM	DRx8	8 GB	16 GB	2666	2666	
RDIMM	DRx4	16 GB	32 GB	2666	2666	
RDIMM 3Ds	QRX4	N/A	2H-64GB	2666	2666	
	8RX4	N/A	4H-128GB	2666	2666	
LRDIMM	QRx4	32 GB	64 GB	2666	2666	
LRDIMM 3Ds	QRX4	N/A	2H-64GB	2666	2666	
	8Rx4	N/A	4H-128 GB	2666	2666	

DDR4 Memory Support for 2nd Gen Intel Xeon Scalable Processors Platform

Type	Ranks Per DIMM and Data Width	DIMM Capacity (GB)	Speed (MT/s); Voltage (V); Slots per Channel (SPC) and DIMMs per Channel (DPC)			
			2 Slots per Channel			
			2DPC (2-DIMM per Channel)		1DPC (1-DIMM per Channel)	
		4 Gb	8 Gb	16 Gb	1.2 V	1.2 V
RDIMM	SRx4	4 GB	8 GB	16GB	2933	2933
RDIMM	SRx8	8 GB	16 GB	32GB	2933	2933
RDIMM	DRx8	8 GB	16 GB	32GB	2933	2933
RDIMM	DRx4	16 GB	32 GB	64GB	2933	2933
RDIMM 3Ds	QRX4	N/A	2H-64GB	2H-128GB	2933	2933
	8RX4	N/A	4H-128GB	4H-256GB	2933	2933
LRDIMM	QRx4	32 GB	64 GB	128GB	2666	2933
LRDIMM 3Ds	QRX4	N/A	2H-64GB	2H-128GB	2933	2933
	8Rx4	N/A	4H-128 GB	4H-256GB	2933	2933

Note: For detailed information on memory support and updates, please refer to the SMC Recommended Memory List posted on our website at <http://www.supermicro.com/support/resources/mem.cfm>.

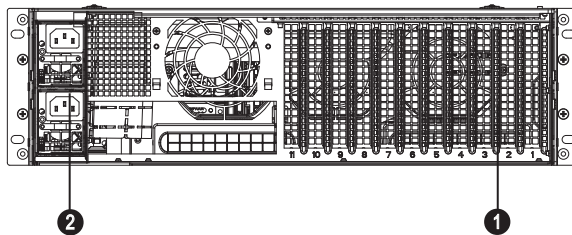
Front View & Interface



No. Description

1	Power Button
2	Reset Button
3	Power LED
4	Device Activity LED
5	LAN1 LED & LAN2 LED
6	Information LED
7	Power Failure LED
8	Hard Drive Signal
9	Hard Drive Fail

Rear View



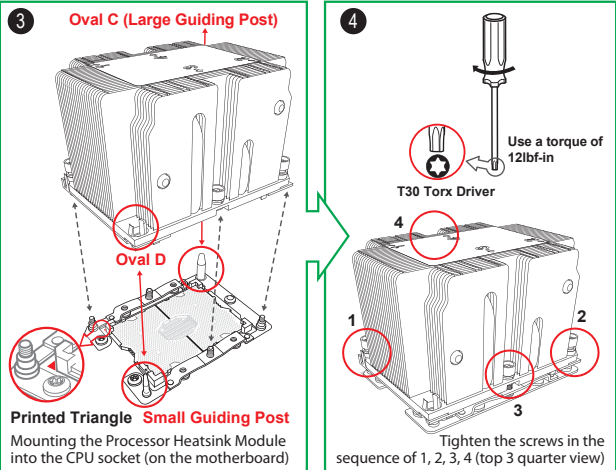
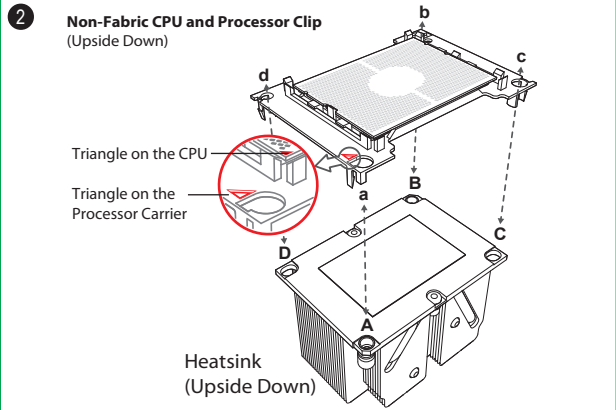
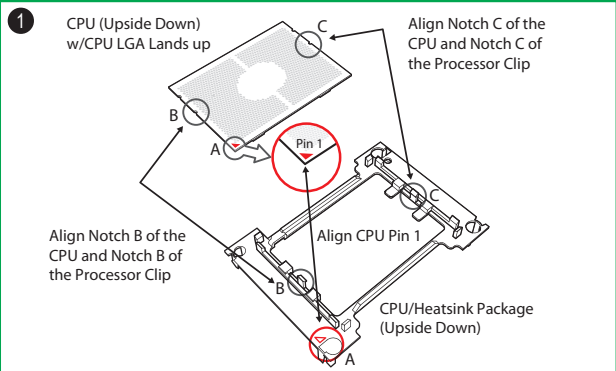
No. Description

1	11 Standard PCI Slots
2	Power Supply Module

Beep Codes

BIOS Beep Codes		
Beep Code/LED	Message	Description
1 beep	Refresh	Circuits have been reset. (Ready to power up)
5 short beeps + 1 long beep	Memory	No memory detected
5 long beeps + 2 short beeps	Display memory read/write status	Video adapter missing or with faulty memory
1 continuous beep	System	System overheat

CPU Installation



Caution

SAFETY INFORMATION

IMPORTANT: See installation instructions and safety warning before connecting system to power supply. http://www.supermicro.com/about/policies/safety_information.cfm

WARNING:

To reduce risk of electric shock/damage to equipment, disconnect power from server by disconnecting all power cords from electrical outlets. If any CPU socket empty, install protective plastic CPU cap

CAUTION:

Always be sure all power supplies for this system have the same power output. If mixed power supplies are installed, the system will not operate.

For more information go to : <http://www.supermicro.com/support>

