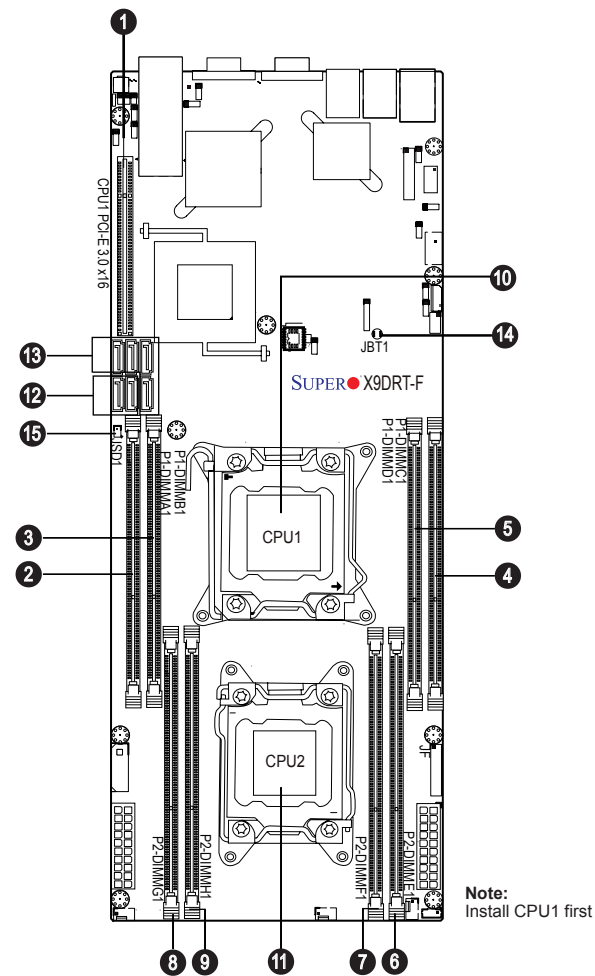


SUPERMICR[®] SuperServer 1027TR-TF/TQF/TFF Quick Reference Guide

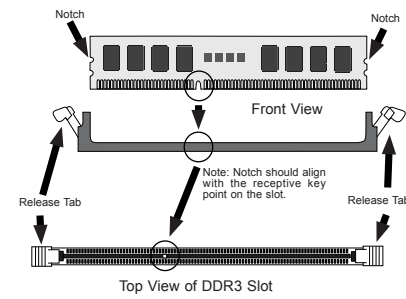
Board Layout



Note:
Install CPU1 first

No.	Description
1	CPU1 PCI-E 3.0 x16 slot for SMC-Proprietary Riser Card (Available when CPU1 is installed)
2	P1-DIMMA1 slot
3	P1-DIMMB1 slot
4	P1-DIMMC1 slot
5	P1-DIMMD1 slot
6	P2-DIMME1 slot
7	P2-DIMMF1 slot
8	P2-DIMMG1 slot
9	P2-DIMMH1 slot
10	CPU1 (Install CPU1 first)
11	CPU2
12	I-SATA 3.0 (SATA 3.0 ports 0/1)
13	I-SATA 2.0 (SATA 2.0 ports 2~5)
14	JBT1 = CMOS Reset
15	JSD1 = SATA DOM Power

MEMORY



Processors and their Corresponding Memory Modules

CPU#	Corresponding DIMM Modules			
CPU 1	P1-DIMMA1	P1-DIMMB1	P1-DIMMC1	P1-DIMMD1
CPU2	P2-DIMME1	P2-DIMMF1	P2-DIMMG1	P2-DIMMH1

Processor 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 & 2 DIMMs	CPU1 P1-DIMMA1/P1-DIMMB1
1 CPU & 4 DIMMs	CPU1 P1-DIMMA1/P1-DIMMB1, P1-DIMMC1/P1-DIMMD1
2 CPUs & 4 DIMMs	CPU1 + CPU2 P1-DIMMA1/P1-DIMMB1, P2-DIMME1/P2-DIMMF1
2 CPUs & 6 DIMMs	CPU1 + CPU2 P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1, P2-DIMME1/P2-DIMMF1
2 CPUs & 8 DIMMs	CPU1 + CPU2 P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1, P2-DIMME1/P2-DIMMF1/P2-DIMMG1/P2-DIMMH1

Installing UDIMM (ECC/Non-ECC) Memory

Intel E5-2600 Series Processor UDIMM Memory Support					
Ranks Per DIMM & Data Width	Memory Capacity Per DIMM (See the Note below)			Speed (MT/s) and Voltage Validated by Slot per Channel (SPC) and DIMM Per Channel (DPC)	
				1 Slot Per Channel	
				1.35V	1.5V
SRx8 Non-ECC	1GB	2GB	4GB	NA	1066, 1333, 1600
DRx8 Non-ECC	2GB	4GB	8GB	NA	1066, 1333, 1600
SRx16 Non-ECC	512MB	1GB	2GB	NA	1066, 1333, 1600
SRx8 ECC	1GB	2GB	4GB	1066, 1333	1066, 1333, 1600
DRx8 ECC	2GB	4GB	8GB	1066, 1333	1066, 1333, 1600

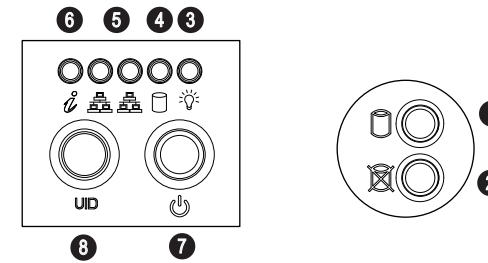
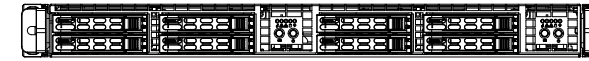
Note: For detailed information on memory support and updates, please refer to the SMC Recommended Memory List posted on our website at <http://www.supermicro.com/support/resources/mem.cfm>.

Installing RDIMM (ECC) Memory

Intel E5-2600 Series Processor RDIMM Memory Support						
Ranks Per DIMM & Data Width	Memory Capacity Per DIMM (See the Note Below)			1 Slot Per Channel		
				1DPC		
				1.35V	1.5V	
SRx8	1GB	2GB	4GB	1066, 1333	1066, 1333, 1600	
DRx8	2GB	4GB	8GB	1066, 1333	1066, 1333, 1600	
SRx4	2GB	4GB	8GB	1066, 1333	1066, 1333, 1600	
DRx4	4GB	8GB	16GB	1066, 1333	1066, 1333, 1600	
QRx4	8GB	16GB	32GB	800	1066	
QRx8	4GB	8GB	16GB	800	1066	

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

Rear View

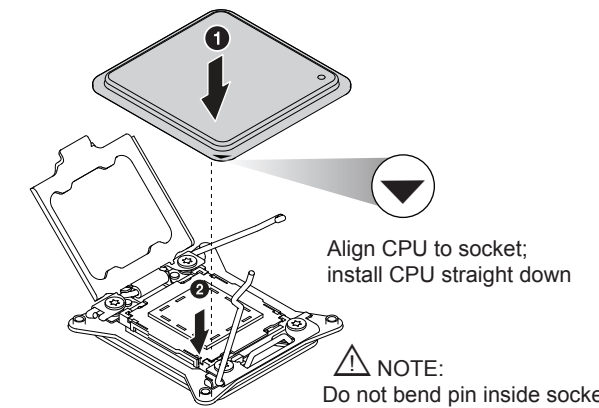


No.	Description
1	PCI Expansion Slot (w/riser card)
2	Dedicated LAN for IPMI
3	Power Supply Module

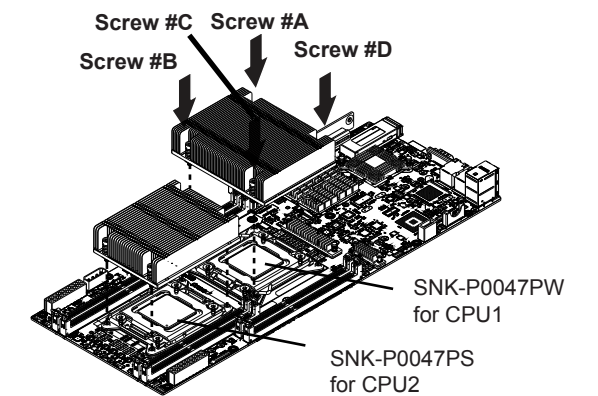
Beep Codes

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 Error	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 OH	System overheat

CPU Installation



Heatsink Installation



- Place heatsink on top of installed CPU
- Line up the four screws to socket
- Push down heatsink and screw down as shown (cross pattern, in order: A, C, B, D)
- NOTE: Only use 6-8 lb/f of torque; otherwise, hand-tighten each screw, to avoid damaging the system

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>

