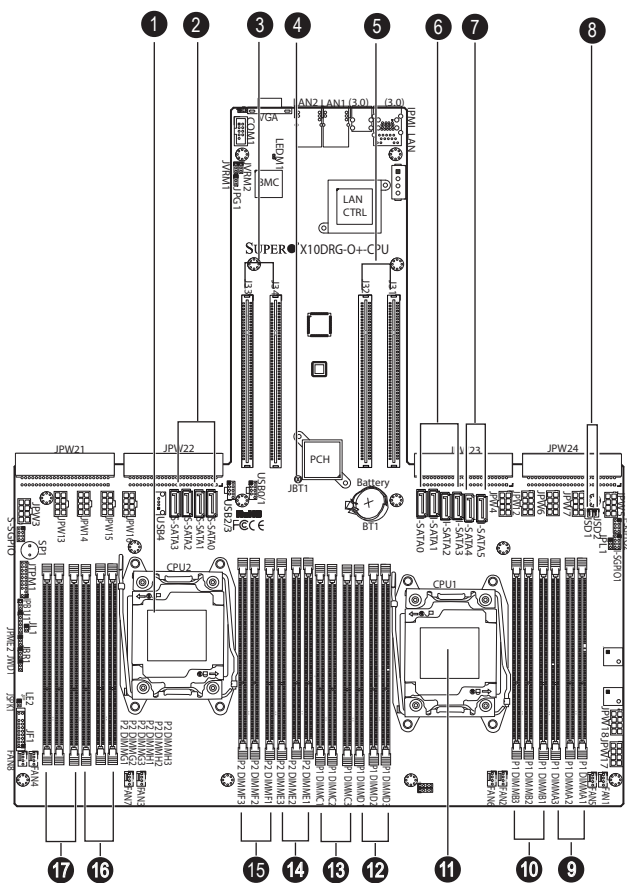


SUPERMICR[®] SuperServer 4028GR-TR/TRT/TR2/TRT2 Quick Reference Guide

Board Layout



No.	Description
1	CPU2
2	S-SATA0~3: Intel SATA 3.0 Connectors 0~3 (from Intel SCU)
3	J33/J34 : Slots for Riser Cards (CPU2: used by PCI-E daughter board)
4	JBT1= CMOS Clear
5	J32/J31 : Slots for Riser Cards (CPU1: used by PCI-E daughter board)
6	I-SATA0~3: Intel SATA 3.0 Connectors 0/1/2/3 (from Intel PCH)
7	I-SATA4~5: SATA SuperDOM Connectors 4/5 (from Intel PCH)
8	JSD1/JSD2 = Power connector SATA DOM
9	P1-DIMMA1(Blue)/P1-DIMMA2/P1-DIMMA3 slot
10	P1-DIMMB1(Blue)/P1-DIMMB2/P1-DIMMB3 slot
11	CPU1 (Install CPU1 first)
12	P1-DIMMD1(Blue)/P1-DIMMD2/P1-DIMMD3 slot
13	P1-DIMMC1(Blue)/P1-DIMMC2/P1-DIMMC3 slot
14	P2-DIMME1(Blue)/P2-DIMME2/P2-DIMME3 slot
15	P2-DIMMF1(Blue)/P2-DIMMF2/P2-DIMMF3 slot
16	P2-DIMMH1(Blue)/P2-DIMMH2/P2-DIMMH3 slot
17	P2-DIMMG1(Blue)/P2-DIMMG2/P2-DIMMG3 slot

Memory

Processors and their Corresponding Memory Modules												
CPU#	Corresponding DIMM Modules											
CPU 1	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3
CPU 2	E1	E2	E3	F1	F2	F3	G1	G2	G3	H1	H2	H3

Populating RDIMM/LRDIMM DDR4 Memory Modules									
Type	Ranks Per DIMM and Data Width	DIMM Capacity (GB)		Speed (MT/s); Voltage (V); Slots per Channel (SPC) and DIMMs per Channel (DPC)					
				3 Slots per Channel					
				1 DPC		2 DPC		3 DPC	
		4 Gb	8 Gb	E5-2600 V3	E5-2600 V4	E5-2600 V3	E5-2600 V4	E5-2600 V3	E5-2600 V4
RDIMM	SRx4	8 GB	16 GB	2133	2400	1866	2133	1600	1600
RDIMM	SRx8	4 GB	8 GB	2133	2400	1866	2133	1600	1600
RDIMM	DRx8	8 GB	16 GB	2133	2400	1866	2133	1600	1600
RDIMM	DRx4	16 GB	32 GB	2133	2400	1866	2133	1600	1600
LRDIMM	QRx4	32 GB	64 GB	2133	2400	2133	2400	1600	1866
LRDIMM 3DS	8Rx4	64 GB	128 GB	2133	2400	2133	2400	1600	1866

Beep Codes

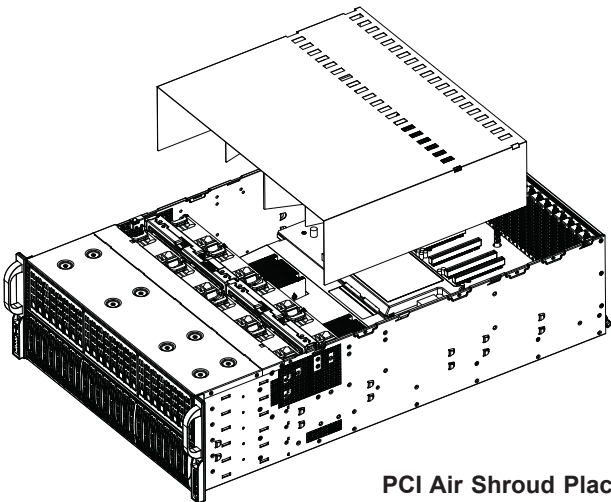
BIOS Beep Codes		
Beep Code/LED	Message	Description
1 beep	Refresh	Ready to boot
5 short beeps + 1 long beep	Memory	No memory detected in the system
5 long beeps	No Con-In or No Con-Out devices	Con-In: USB or PS/2 keyboard, PCI or Serial Console Redirection, IPMI KVM or SOL Con-Out: Video Controller, PCI or Serial Console Redirection, IPMI SOL

Air Shroud

Air shrouds concentrate airflow to maximize fan efficiency. Air shrouds are included in the system.

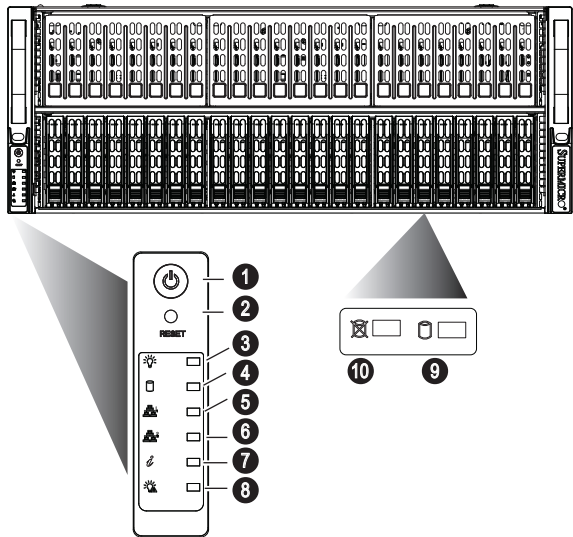
Installing the Air Shroud

1. Confirm that all fans are in place and working properly.
2. The air shroud sits behind the system fans.



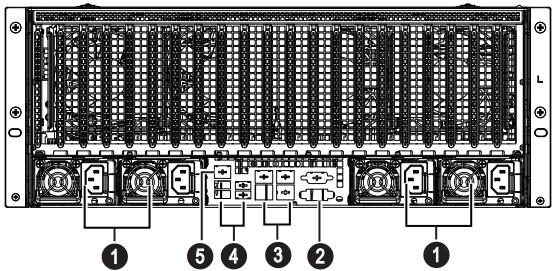
PCI Air Shroud Placement

Front view & Interface



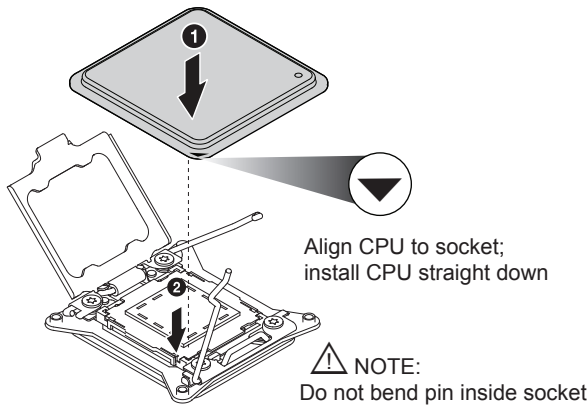
No.	Description
1	Power Button
2	Reset Button
3	Power LED
4	Device Activity LED
5	LAN1 LED
6	LAN2 LED
7	Information LED
8	Power Failure Button
9	Hard Drive Signal
10	Hard Drive Fail

Rear View

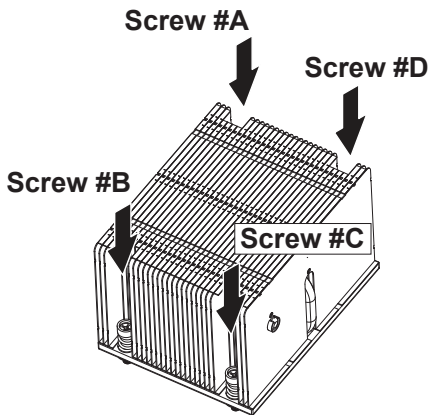


No.	Description
1	Power Supplies
2	VGA Port
3	LAN1 & LAN2 (10GbE Port/1G Port) (X10DRG-OT+-CPU/X10DRG-O+-CPU")
4	USB 0/1, 2/3 Ports
5	Dedicated LAN for IPMI

CPU Installation



Heatsink Installation



1. Place heatsink on top of installed CPU
2. Line up the four screws to socket
3. Push down heatsink and screw down as shown (cross pattern, in order: A, C, B, D)
4. 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>

