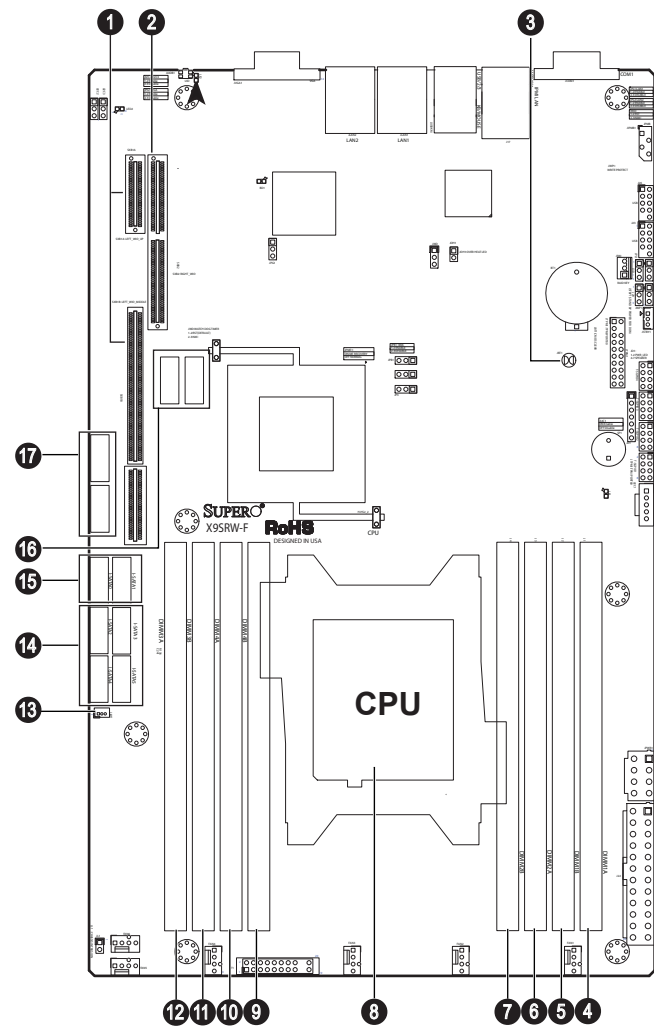


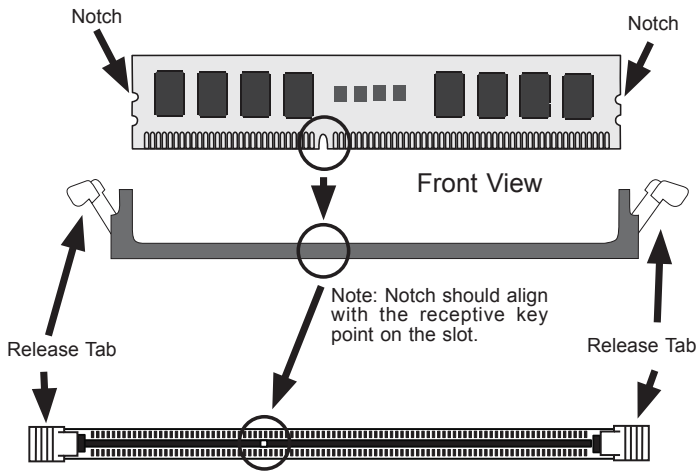
SUPERMICR[®] SuperServer 5027R-WRF Quick Reference Guide

Board Layout



No.	Description
1	SXB1A, SXB1B : Riser card slot P/N RSC-R1UW-2E16
2	SXB2: Slot for Supermicro riser card P/N RSC-R1UW-E8R"
3	JBT1 = CMOS Clear
4	DIMMA1 (BLUE) slot
5	DIMMA2 slot
6	DIMMB1 (BLUE) slot
7	DIMMB2 slot
8	CPU
9	DIMMD2 slot
10	DIMMD1 (BLUE) slot
11	DIMMC2 slot
12	DIMMC1 (BLUE) slot
13	JSD1 = SATA DOM Power
14	I-SATA2 ~I-SATA5 = SATA 2.0 ports
15	I-SATA0/I-SATA1 = SATA 3.0 ports
16	S-SATA3/S-SATA4 = SCU-based SATA 3.0 ports (6Gb/s)
17	S-SATA1/S-SATA2 = SCU-based SATA 3.0 ports (6Gb/s)

MEMORY



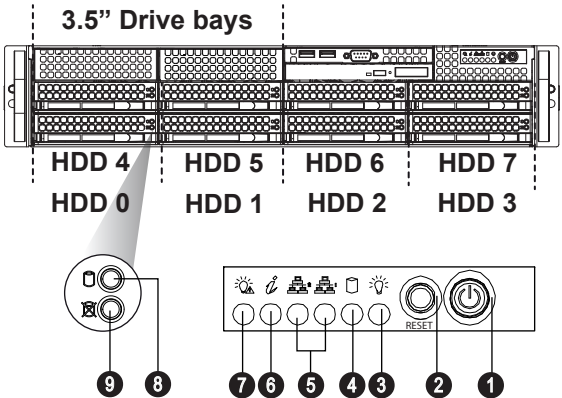
Top View of DDR3 Slot

Recommended Population (Balanced)								Total System Memory
DIMMA1	DIMMB1	DIMMC1	DIMMD1	DIMMA2	DIMMB2	DIMMC2	DIMMD2	
2GB	2GB							4GB
2GB	2GB	2GB	2GB					8GB
2GB	2GB	2GB	2GB	2GB	2GB			12GB
2GB	2GB	2GB	2GB	2GB	2GB	2GB	2GB	16GB
4GB	4GB							8GB
4GB	4GB	4GB	4GB					16GB
4GB	4GB	4GB	4GB	4GB	4GB			24GB
4GB	4GB	4GB	4GB	4GB	4GB	4GB	4GB	32GB
8GB	8GB							16GB
8GB	8GB	8GB	8GB					32GB
8GB	8GB	8GB	8GB	8GB	8GB			64GB
8GB	8GB	8GB	8GB	8GB	8GB	8GB	8GB	128GB
16GB	16GB							32GB
16GB	16GB	16GB	16GB					64GB
16GB	16GB	16GB	16GB	16GB	16GB			96GB
16GB	16GB	16GB	16GB	16GB	16GB	16GB	16GB	128GB
32GB	32GB							64GB
32GB	32GB	32GB	32GB					128GB
32GB	32GB	32GB	32GB	32GB	32GB			192GB
32GB	32GB	32GB	32GB	32GB	32GB	32GB	32GB	256GB

Beep Codes

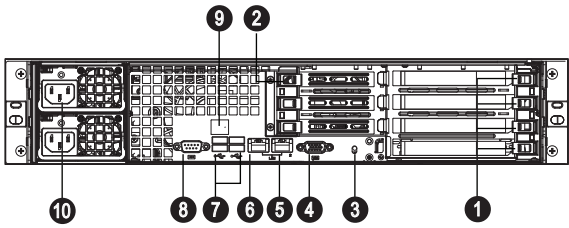
BIOS Beep Codes		
Beep Code/LED	Message	Description
1 beep	Refresh	Circuits have been reset. (Ready to power up)
5 short beeps + 1 long beep	Memory	No memory detected
5 long beeps	Display memory read/write status	Video adapter missing or with faulty memory
1 beep per device	Refresh	1 beep for each USB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

Front view & Interface



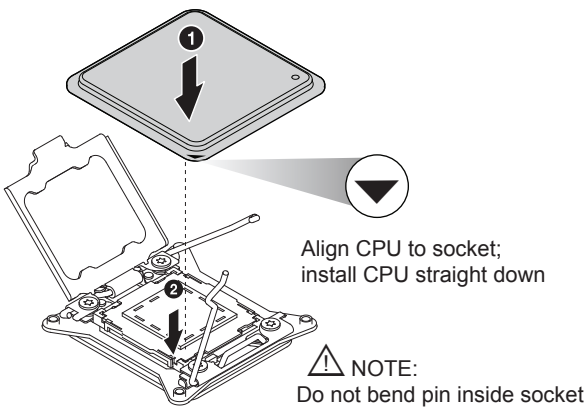
No.	Description
1	Power Button
2	Reset Button
3	Power LED
4	Device Activity LED
5	LAN1 LED & LAN2 LED
6	Information LED
7	Power Fail LED
8	Hard Drive Signal
9	Hard Drive Fail

Rear View

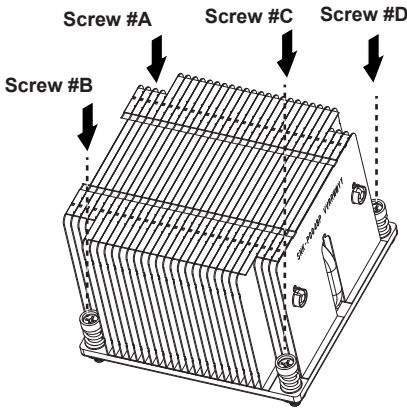


No.	Description
1	PCI-E Expansion Slots
2	PCI-E Expansion Slot (Low-profile)
3	UID Button
4	VGA Port
5	GbE LAN2 Port
6	GbE LAN1 Port
7	USB 2.0 (Port 0~3 Ports)
8	COM1 Port
9	Dedicated LAN for IPMI
10	Redundant Power Supply Modules

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>

