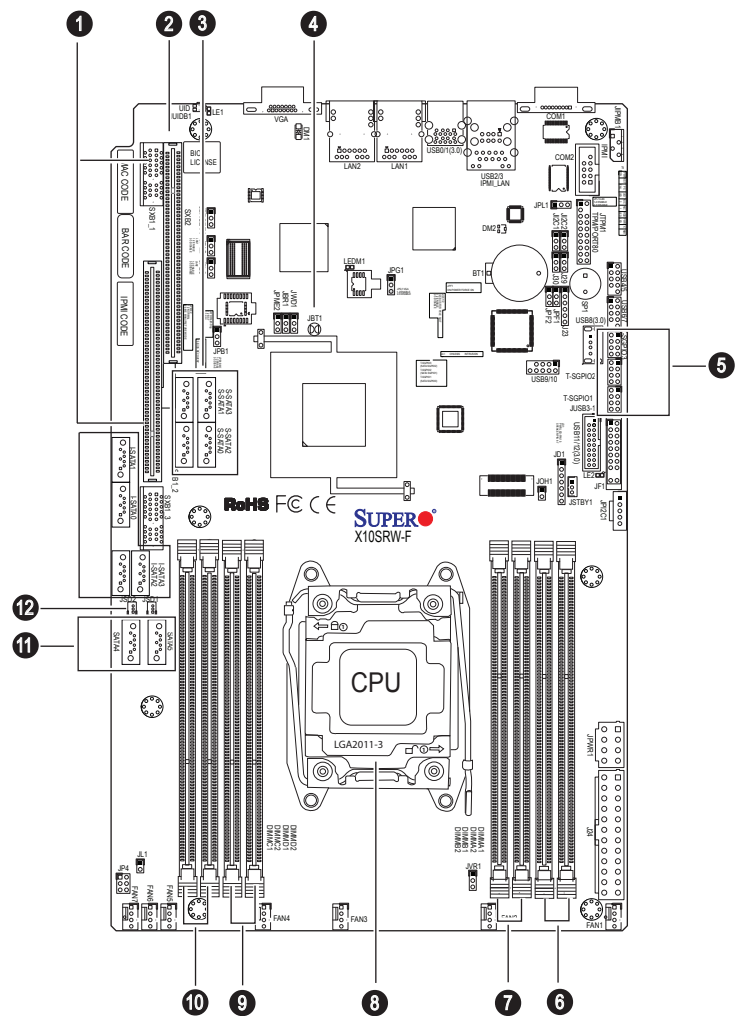


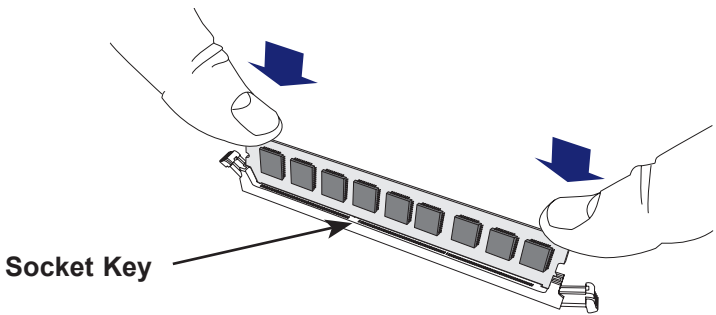
SUPERMICR[®] SuperServer 5018R-WR Quick Reference Guide

Board Layout



No.	Description
1	SXB1A/SXB1B/SXB1C: SMC-Proprietary WIO_L(Left) Add-On Card slots
2	SXB2: SMC-Proprietary WIO_R(Right) Add-On card slot
3	S-SATA 0~ 3: S-SATA Ports 0~3 (6Gb/sec)
4	JBT1 = CMOS Reset
5	T-SGPIO 1/2/3: Serial_Link General Purpose I/O Headers 1/2/3 for SATA Connection
6	DIMMA1 (Blue)/DIMMA2 slot
7	DIMMB1 (Blue)/DIMMB2 slot
8	CPU1
9	DIMMD1(Blue)/DIMMD2 slot
10	DIMMC1(Blue)/DIMMC2 slot
11	SATA 4/5: SATA DOM (Disk_On_Module) Ports 4/5
12	JSD1/JSD2: SATA DOM (Device_On_Module) Power Connectors

Memory



Memory Population Guidelines

Populating RDIMM Memory Modules

2 Slots per Channel RDIMM Population Configurations				
Configuration Number	POR Speed	1-Node or 2-Node	DIMM1	DIMM0
1	DDR4-2133, 1866, 1600	1N	Empty	Single-rank
2	DDR4-2133, 1866, 1600	1N	Empty	Dual-rank
3	DDR4-1866, 1600	1N	Single-rank	Single-rank
4	DDR4-1866, 1600	1N	Single-rank	Dual-rank
5	DDR4-1866, 1600	1N	Dual-rank	Dual-rank

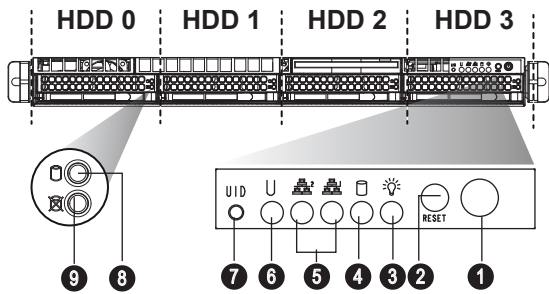
Populating LRDIMM Memory Modules

2 Slots per Channel LRDIMM Population Configurations				
Configuration Number	POR Speed	1-Node or 2-Node	DIMM1	DIMM0
1	DDR4-2133, 1866, 1600	1N	Empty	Quad-rank+
2	DDR4-1866, 1600	1N	Quad-rank+	Quad-rank+

Beep Codes

Beep Code/LED	Error Message	Description
1 beep	Refresh	Circuits have been reset. (Ready to power up)
5 short beeps + 1 long beep	Memory error	No memory detected in the system
8 beeps	Display memory read/write error	Video adapter missing or with faulty memory
OH LED On	System OH	System Overheat

Front View & Interface

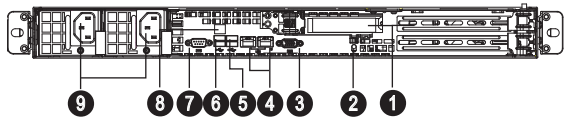


No.	Description
1	Power Button
2	Reset Button
3	Power LED
4	Device Activity LED
5	LAN1 LED & LAN2 LED
6	Universal Information LED
7	Unit Identifier Button
8	Hard Drive Signal
9	Hard Drive Fail

Universal Information LED States

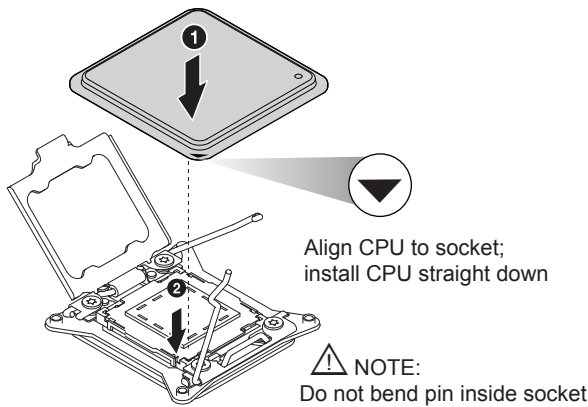
State	Indication
Fast Blinking Red (1x/sec)	Fan Fail
Solid Red	CPU Overheat
Slow Blinking Red (1x/4 sec)	Power Fail
Solid Blue	Local UID Button Depressed
Blinking Blue	IPMI-Activated UID

Rear View

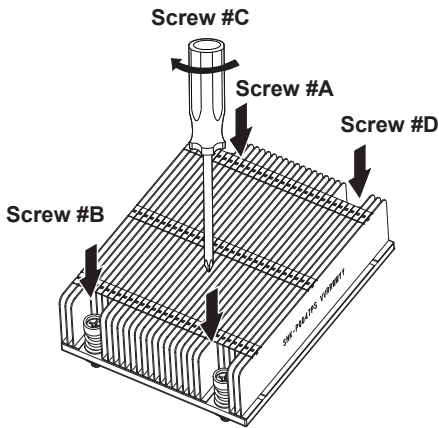


No.	Description
1	PCI-E Expansion Slots (w/riser cards)
2	UID Button
3	VGA Port
4	GbE LAN1 Port/GbE LAN2 Port
5	USB 3.0 port 3~4
6	USB 2.0 port 0~1
7	COM1 Port
8	Dedicated LAN for IPMI
9	Redundant Power Supply Modules

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)
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>

