

SUPERMICRO® SuperServer 5018D-MTF/MTRF Quick Reference Guide

Board Layout

No.	Description
1	PCH Slot4 PCI-E 2.0 x4 in x8 slot
2	CPU Slot5 PCI-E 3.0 x8 slot
3	CPU Slot6 PCI-E 3.0 x8 in x16 slot
4	CPU
5	DIMMA1 / DIMMA2 (Blue Slot)
6	DIMMB1 / DIMMB2 (Blue Slot)
7	JBT1 = CMOS Clear
8	SATA 3.0 (0/1/2/3 Ports)
9	SATA 2.0 (4/5 Ports)
10	JSD1 = SATA DOM Power Connector
11	JTPM1 = Trusted Platform Module/Port 80 Connector

MEMORY

DDR3 Unbuffered Non-ECC (UDIMM) Memory

DIMM Slots per Channel	DIMMs Populated per Channel	DIMM Type	POR Speeds	Ranks per DIMM (any combination)
2	1	Unb. ECC DDR3	1600, 1066, 1333	Single Rank, Dual Rank
2	2	Unb. ECC DDR3	1600, 1066, 1333	Single Rank, Dual Rank

Beep Codes

BIOS Error 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	Information LED
7	Hard Drive Signal
8	Hard Drive Fail

Rear View

No.	Description
1	PCI-E Expansion Slot (w/riser card)
2	UID
3	GbE LAN2 Port
4	GbE LAN1 Port
5	VGA Port
6	COM1 Port
7	USB 4/5/6/7 Ports
8	Dedicated LAN for IPMI
9	Single/Redundant Power Supply Module

CPU Installation

CPU properly installed

Load lever locked into place.

Heatsink Installation

Screw #A

Screw #B

Screw #C

Screw #D

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/in 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>

