

# SUPERMICRO® SuperServer 5037MC-H8TRF Quick Reference Guide

### Board Layout

No.	Description
1	PCI-E (Micro LP slot)
2	IPMI: RJ45 IPMI port
3	JKVM1: USB/VGA/COM port
4	PCI-E 3.0 x8 slot
5	CPU1 socket
6	P1-DIMMA1/P1-DIMMA2 slot
7	P1-DIMMB1/P1-DIMMB2 slot
8	JBT1 = CMOS Reset
9	JWF1: SATA Disk On Module (DOM) Power Connector
10	USB4: USB Connector
11	I-SATA4: Internal SATA port for SATA DOM

### Beep Codes

When a recoverable type of error occurs during POST, BIOS will display a POST code that describes the problem. BIOS may also issue one of following beep codes:

- 1 Long and two short beeps - video configuration error
- 1 repetitive long beep - no memory detected
- 1 continuous beep with the front panel Overheat LED on - system overheat
- 8 short beeps - display memory read/write error

### MEMORY

**Top View of DDR3 Slot**

**Recommended Population (Balanced)**

DIMMA2	DIMMB2	DIMMA1	DIMMB1	Total System Memory
2GB DIMM	2GB DIMM			4GB
2GB DIMM	2GB DIMM	2GB DIMM	2GB DIMM	8GB
4GB DIMM	4GB DIMM			8GB
4GB DIMM	4GB DIMM	4GB DIMM	4GB DIMM	16GB
8GB DIMM	8GB DIMM			16GB
8GB DIMM	8GB DIMM	8GB DIMM	8GB DIMM	32GB

### Corresponding Nodes, Fans and Hard Drives

Node	Fan	HDDs
Node 1	Fan 1	HDDs A1 and A2
Node 2	Fan 1	HDDs B1 and B2
Node 3	Fan 2	HDDs C1 and C2
Node 4	Fan 2	HDDs D1 and D2
Node 5	Fan 3	HDDs E1 and E2
Node 6	Fan 3	HDDs F1 and F2
Node 7	Fan 4	HDDs G1 and G2
Node 8	Fan 4	HDDs H1 and H2

### Front view & Interface

**Node Status LEDs**

LED Appearance	Description
Solid Green	The node is powered on and operating normally
Blinking Green	The node is in the process of shutting down
Solid Red	The node is detecting an overheated condition
1Hz Blinking Red	The node is detecting a fan failure
.25Hz Blinking Red	The node is detecting a power failure
Solid Blue	The node local UID is on
1Hz Blinking Blue	The node remote UID is on
No Illumination	The node is powered-down

### Rear View

No.	Description
1	Power Button and LED (Green)
2	UIO Button and LED (Blue)
3	Failure LED (Red)

### CPU Installation

**NOTE:**  
Do not bend pin inside socket

### 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](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>

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