

CONTACT INFORMATION

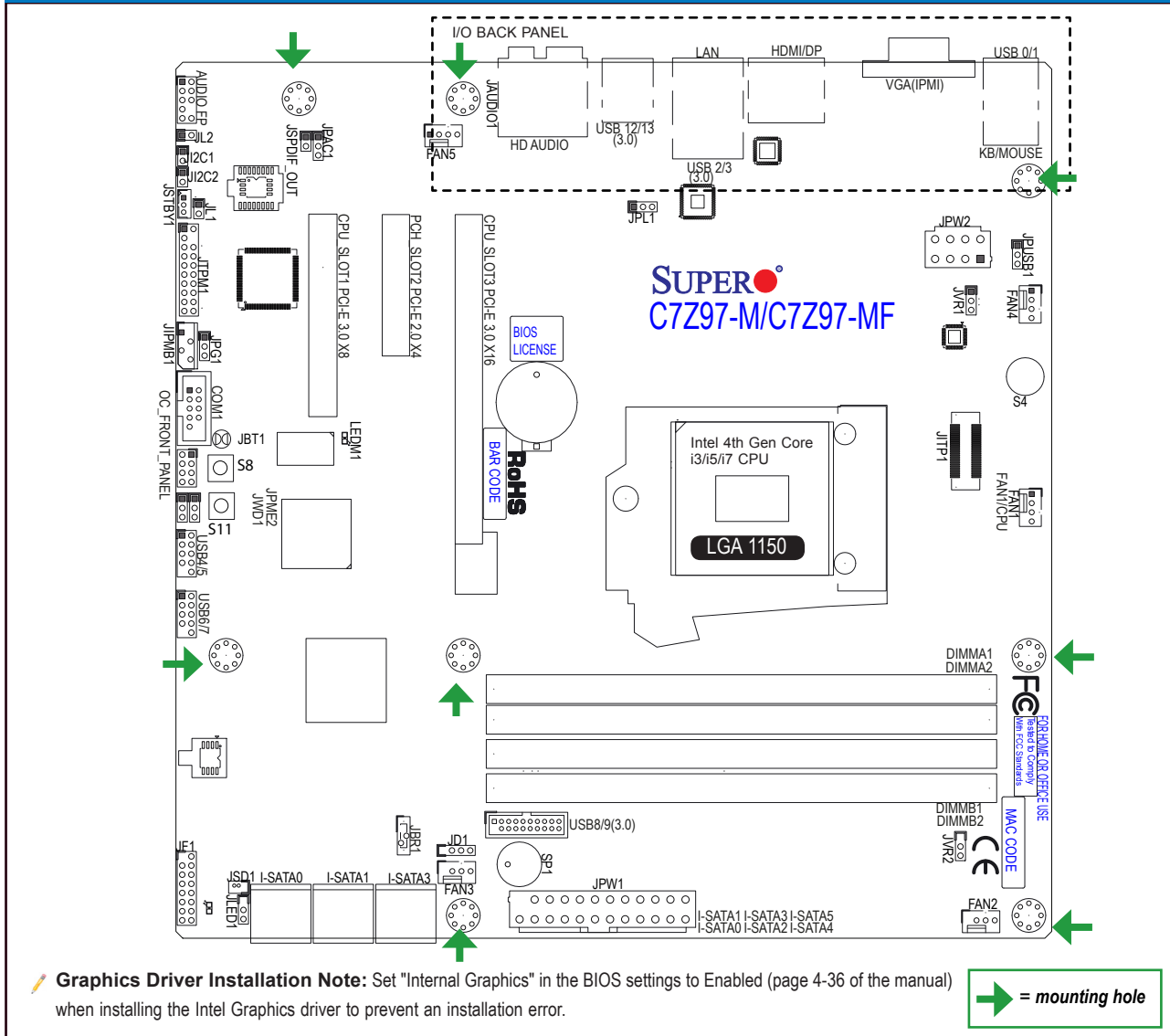
- www.supermicro.com (Email: support@supermicro.com)
- Manuals: <http://www.supermicro.com/support/manuals>
- Drivers & Utilities: <ftp://ftp.supermicro.com>
- Safety: http://www.supermicro.com/about/policies/safety_information.cfm

PACKAGE CONTENTS

(Applies to individual-pack only)

- One (1) Supermicro Motherboard
- Four (4) SATA Cables (single packed/boxed only)
- Two (2) SATA Cables (bulk packed only)
- One (1) I/O Shield
- One (1) Quick Reference Guide
- One (1) Driver CD (C7Z97-M single packed/boxed only)

Motherboard Layout and Features



Jumpers, Connectors and LED Indicators

Jumpers		
Jumper	Description	Default
JBT1	Clear CMOS (on board)*	(See Chpt. 2)
JPC1/JPC2	SMB to PCI Slots	Off (Disabled)
JPAC1	Audio Enable	Pins 1-2 (Enabled)
JPL1	LAN1 Enable	Pins 1-2 (Enabled)
JPME2	Intel Recovery Mode	Pins 2-3 (Disabled)
JBR1	BIOS Recovery Mode	Pins 2-3 (Disabled)
JWD1	Watch Dog Timer Reset Enable	Pins 2-3 (NMI)
JPUSB1	USB Wake Up Enable (Back Panel)	Pins 1-2 (Enabled)
JPG1	VGA Enable	Pins 1-2 (Enabled)

Connectors and Switches	
Connector	Description
I/O Back Panel	See Back Panel I/O Connectors, below right
Audio FP	Front Panel Audio Header
Battery	Onboard Battery
COM1	COM1 Port Header
Fan 1,2,3,4,5	System/CPU Fan Headers (Fan1: CPU Fan)
JD1	Speaker/buzzer (Pins 1~4: External Speaker, Pins 3~4: Buzzer)
JF1	Front Panel Control Header
JL2	Chassis Intrusion Header
JLED1	Power LED Indicator Header
JPW1	24-pin ATX Main Power Connector (Required)
JPW2	+12V 4-pin CPU power Connector (Required)
JSD1	SATA DOM (Disk On Module) Power Connector
JSPDIF_OUT	Sony/Philips Digital Interface (S/PDIF) Out Header
JSTBY1	Standby Power Header
SP1	Internal Speaker/Buzzer
I-SATA0~5	(Intel Z97) Serial ATA (SATA 3.0) Ports 0~5 (6Gb/sec)
USB 4/5, 6/7	Front Panel Accessible USB 2.0 Headers 4/5, 6/7
USB 8/9 (3.0)	Front Panel Accessible USB 3.0 Header 8/9
OC FRONT PANEL	Header for the Over-Clocking Control Panel
JTPM1	Trusted Platform Module/Port 80 Connector
S4	Internal Power Button
S8	Clear CMOS Button*
S11	BIOS Restore Button

LED Indicators			
LED	Description	Color/State	Status
LEDM1	IPMI Heartbeat (C7Z97-MF)	Green: Blinking	BMC/IPMI Normal
LED1	Onboard Standby PWR LED	Green: Solid on	Power On

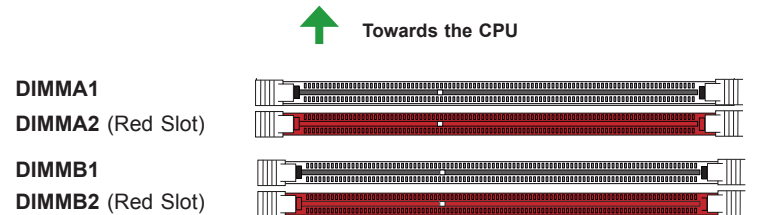
*Note on clearing the CMOS: On the C7Z97-MF, boot time may be longer immediately after clearing the CMOS. This is due to the additional IPMI features.

Memory Support

The C7Z97-M/MF supports up to 32GB of Unbuffered (UDIMM) DDR3 non-ECC memory, and up to 3000MHz (OC) in 4 memory slots. Populating these DIMM modules with a pair of memory modules of the same type and same size will result in interleaved memory, which will improve memory performance.

Note: For memory optimization, use only DIMM modules that have been validated by Supermicro. For the latest memory updates, please refer to our website at <http://www.supermicro.com/products/motherboard>.

DIMM Memory Installation



Memory Population Guidelines

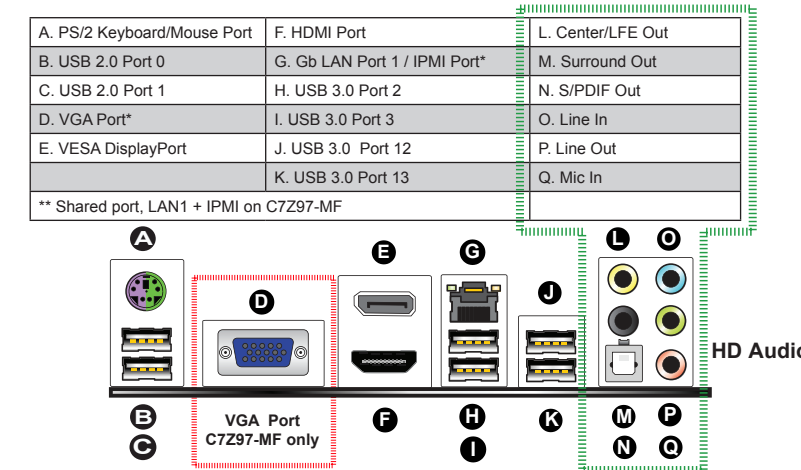
When installing memory modules, the DIMM slots should be populated in the following order: DIMMA2, DIMMB2, then DIMMA1, DIMMB1.

- Always use DDR3 DIMM modules of the same size, type and speed.
- Mixed DIMM speeds can be installed. However, all DIMMs will run at the speed of the slowest DIMM.

Recommended Population (Balanced)				
DIMMA2	DIMMB2	DIMMA1	DIMMB1	Total System Memory
2GB	2GB			4GB
2GB	2GB	2GB	2GB	8GB
4GB	4GB			8GB
4GB	4GB	4GB	4GB	16GB
8GB	8GB			16GB
8GB	8GB	8GB	8GB	32GB

Note: Up to 32GB of memory are supported. See chapter 2 of the User Manual for complete memory population information.

Back Panel I/O Connectors



Note: Graphics shown in this quick reference guide are for illustration only. Your components may or may not look exactly the same as drawings shown in this guide.

Note: Refer to Chapter 2 of the User Manual for detailed information on jumpers, connectors, and LED indicators.

Note: Refer to Chapter 2 of the User Manual for detailed information on memory support and CPU/motherboard installation instructions.