IPMIP-GS Series
Motherboard layout reference

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• Motherboard layout
• Rear panel connectors
• Internal connectors

This manual is meant as a general reference guide. Refer to the product itself for actual specifications.

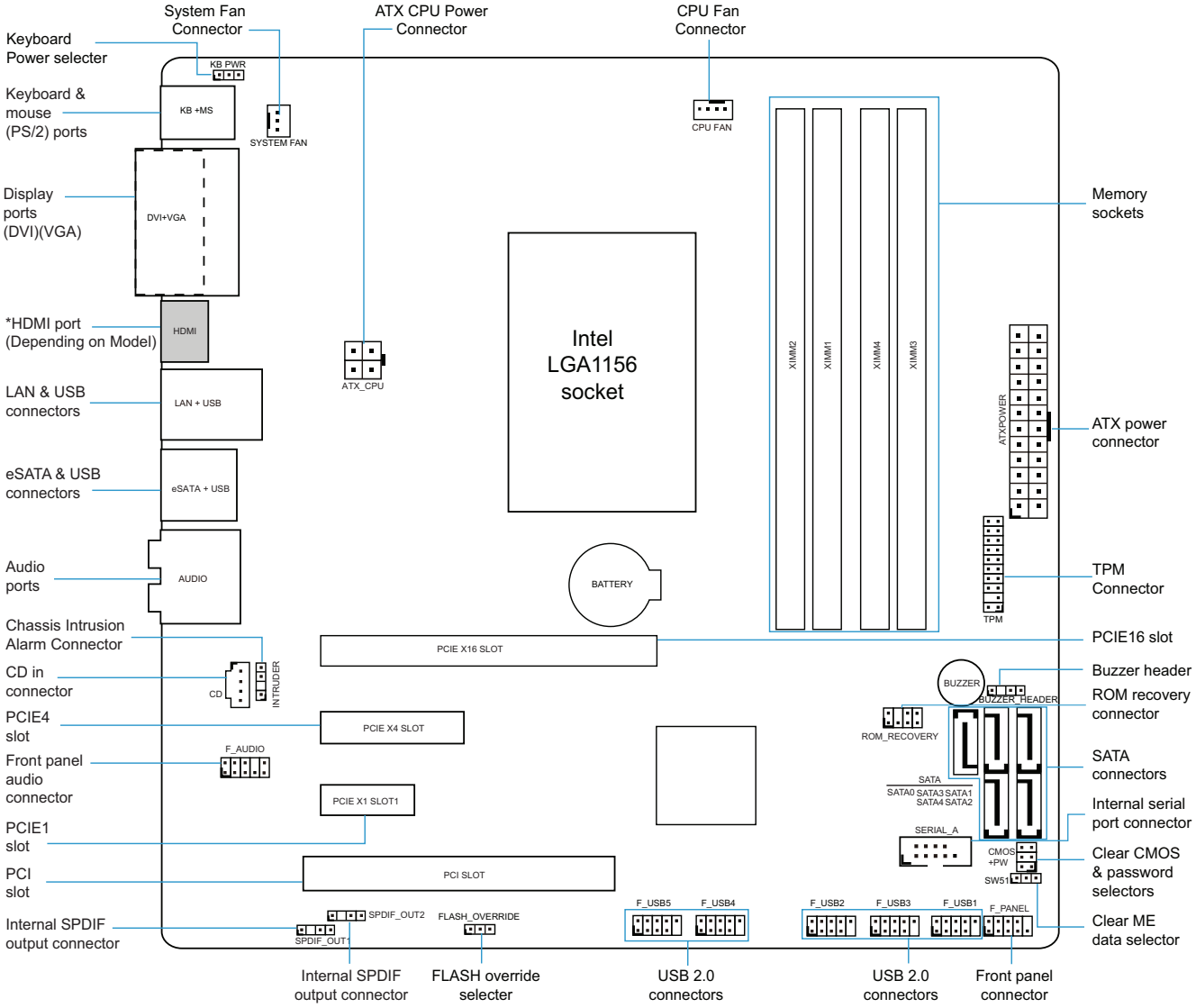
Specifications summary

* The following components may be available depending on model.

Model	HDMI port	Audio Channel
Super model	Optional	8-channel or 6-channel
H55	No HDMI port	5.1 channel
H57/Q57	No HDMI port	8-channel or 6-channel

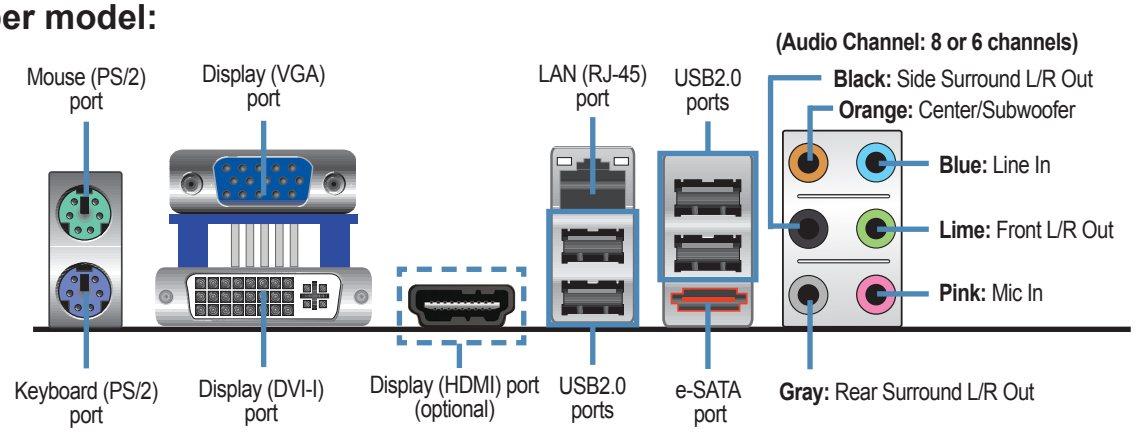
CPU	**Socket** : Intel Socket 1156 **Supports :** Clarkdale
Chipset	North Bridge : Ibex peak (H55/H57/Q57)
Memory	Dual-channel, 4 slots, Non-ECC, Unbuffered, 240 pin DDR3, Max. 16GB **Types:** 1066/PC3-8500, 1333/PC3-10600
Expansion slots	1x PCI Express slot (x16) 1x PCI Express slot (x4) 1x PCI Express slot (x1) 1x PCI slot
Audio	ALC888S-VC2 (8-channel) or ALC662 (6-channel)
LAN	Gigabit: Intel hanksville (PHY)
USB	14x USB 2.0 ports, 12/480Mbps (12 ports on H55 sku)
Rear panel I/O ports	1x Mouse (PS/2) port + 1x Keyboard (PS/2) port 1x Display (VGA) port + 1x Display (DVI-I) port * Display (HDMI) port 1x LAN (RJ-45) port + 2x USB 2.0 ports 2x USB 2.0 ports + 1x e-SATA port 6x Audio jacks (* Audio Channel)
Internal connectors	1x ATX CPU power connector 1x ATX power connector 1x CPU fan connector 1x System fan connector 5x SATA connectors 1x Front panel audio connector 2x Internal SPDIF output connectors 1x CD in connector 1x Internal serial port connector 5x USB 2.0 connectors 1x TPM connector 1x Chassis intrusion alarm connector 1x Front panel connector
BIOS	SPI 64Mb for H/Q SKU (AMI)
Form factor	microATX, 9.6 inches x 9.6 inches

Motherboard layout

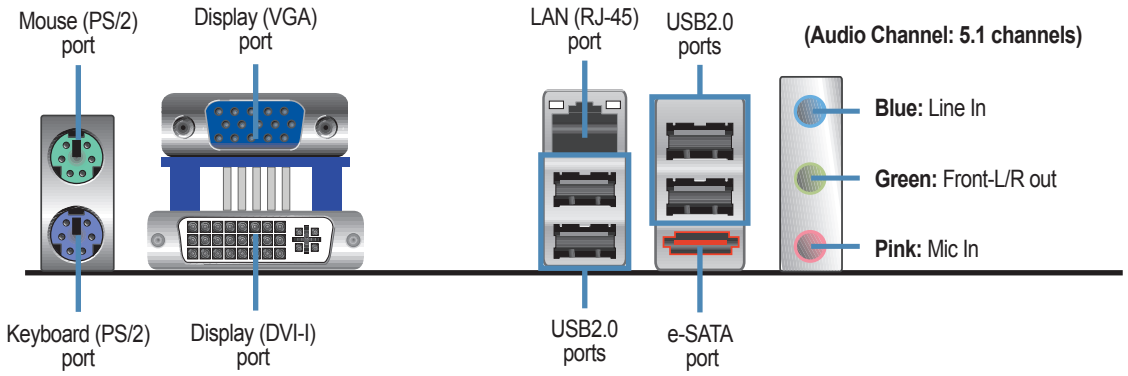


Rear panel connectors

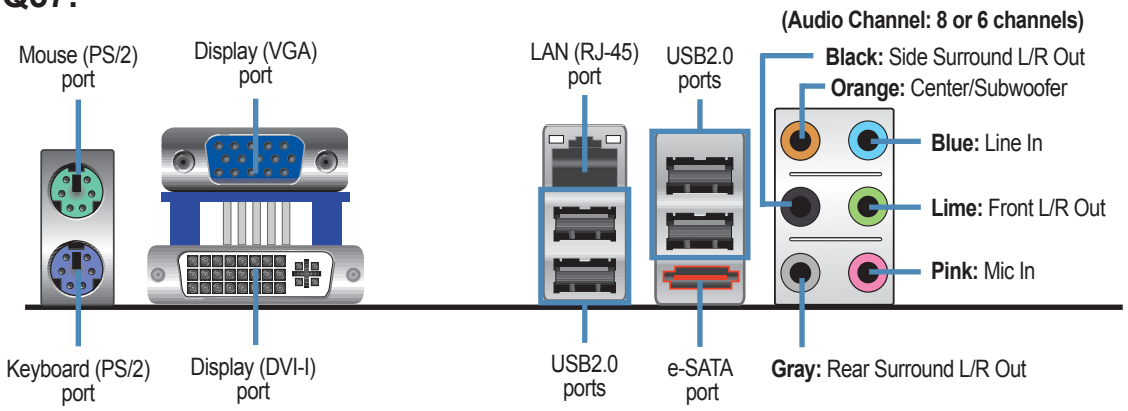
Super model:



H55:



H57/Q57:



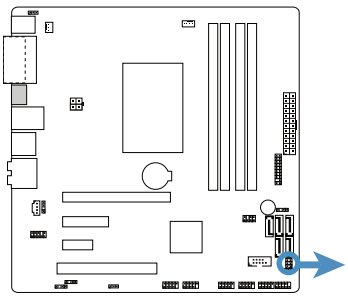
LAN port LED indications

Left (ACTIVITY)	Right (LINK)
Orange: Activity Off : No Link	Green : 1G Link Orange : 100M Link Off : 10M Link



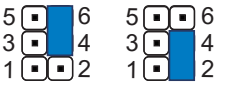
LAN port

Function Selectors

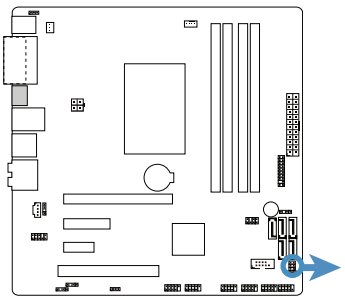


CLEAR CMOS SELECTOR

CMOS

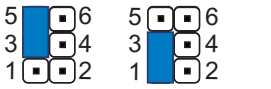


To erase the CMOS RTC RAM user settings:
1. Turn OFF the computer and unplug the power cord.
2. Move the cap to clear for 5 to 10 secs, then move cap back to default.
3. Plug the power cord and turn ON the computer.
4. During the boot process, enter BIOS setup to re-enter user settings.

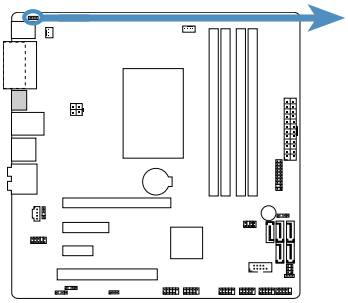


CLEAR PASSWORD SELECTOR

PW

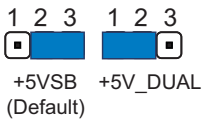


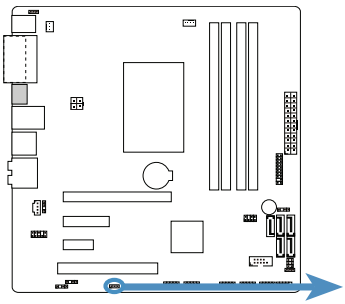
To erase the CMOS RTC RAM password:
1. Turn OFF the computer.
2. Move the cap to **Clear**, then turn ON the computer to POST screen.
3. Press the power button to turn OFF the computer.
4. Move the cap back to **Default**.
5. Turn ON the computer.
6. Enter BIOS setup to verify or configure new settings.



KEYBOARD & MOUSE POWER SELECTOR

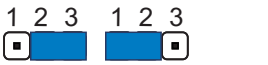
KBPWR

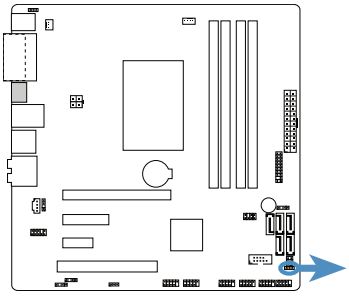




FLASH OVERRIDE
(Intel Management Engine) SELECTOR

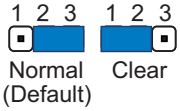
FLASH_OVERRIDE



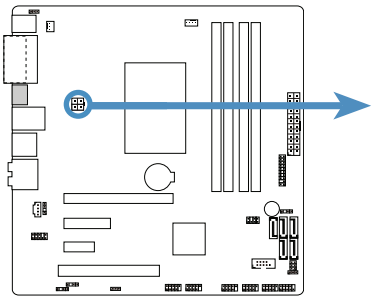


CLEAR ME DATA SELECTOR

SW51



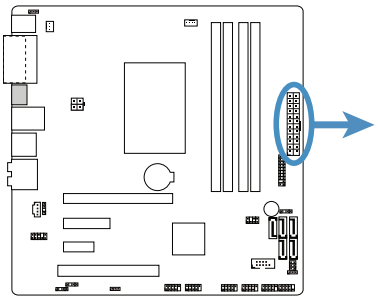
Internal connectors



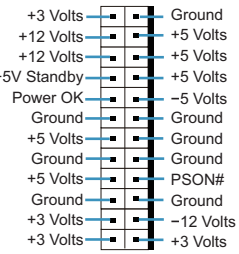
ATX_CPU



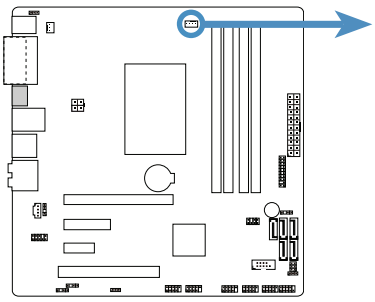
ATX CPU POWER CONNECTOR



ATXPOWER



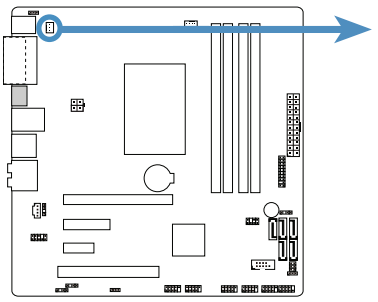
ATX POWER CONNECTOR



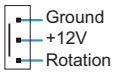
CPU_FAN



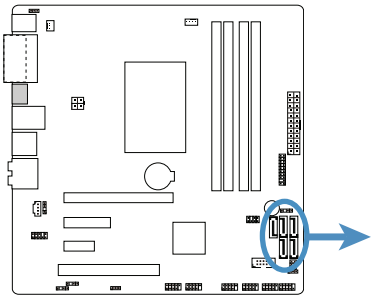
CPU FAN CONNECTOR



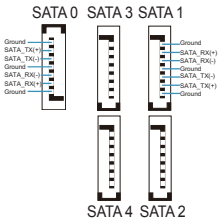
SYSTEM_FAN



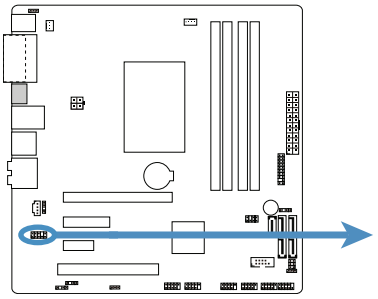
SYSTEM FAN CONNECTOR



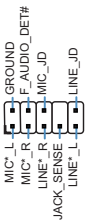
SATA 0 SATA 3 SATA 1



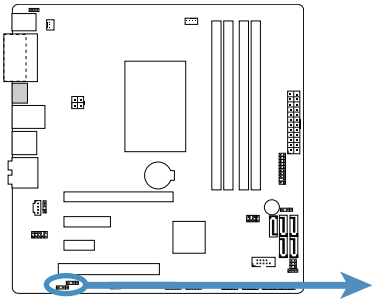
SATA CONNECTORS



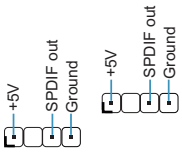
F_AUDIO



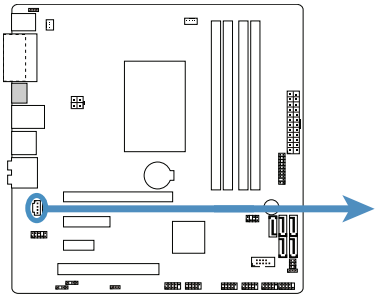
FRONT PANEL AUDIO CONNECTOR



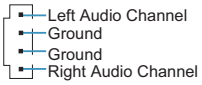
SPDIF_OUT1 SPDIF_OUT2



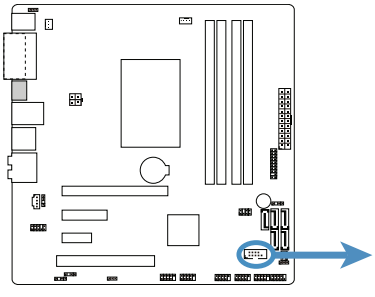
INTERNAL SPDIF OUTPUT CONNECTORS



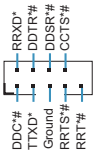
CD1



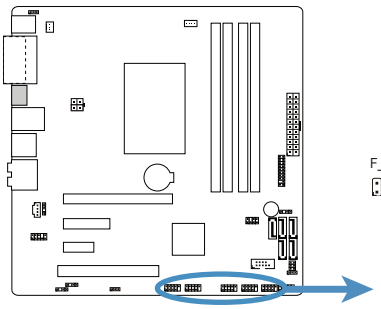
CD IN CONNECTOR



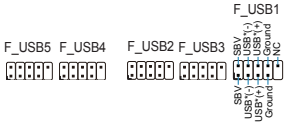
SERIAL_A



INTERNAL SERIAL PORT CONNECTORS

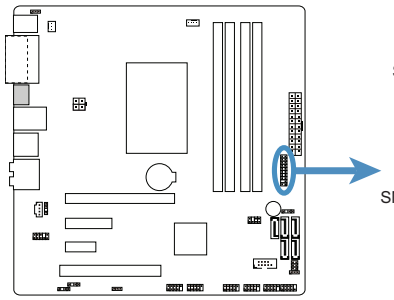


F_USB1

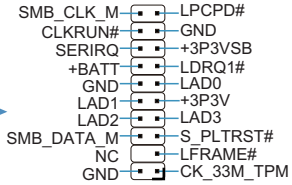


USB CONNECTORS

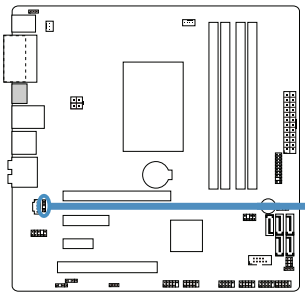
Internal connectors (cont.)



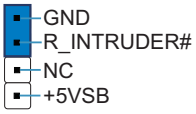
TPM



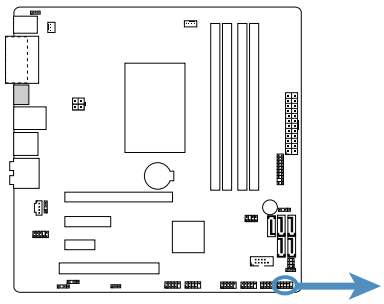
TPM (Trusted Platform Module) CONNECTOR



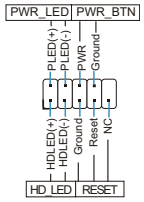
INTRUDER



CHASSIS INTRUSION ALARM CONNECTOR



F_PANEL



FRONT PANEL CONNECTOR