

MS-6389 Micro ATX System Board Technical Reference

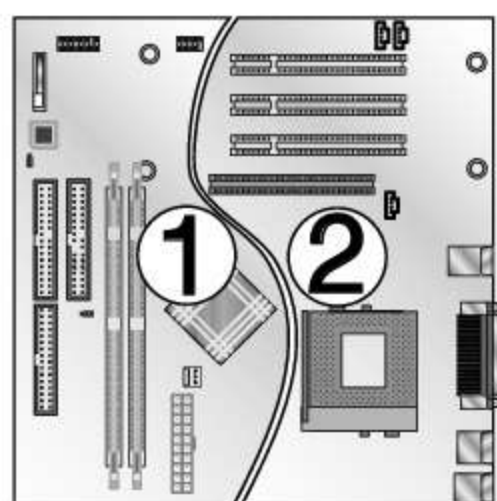
Features

This Socket A system board uses the VIA® KM133 chipset. The system board supports:

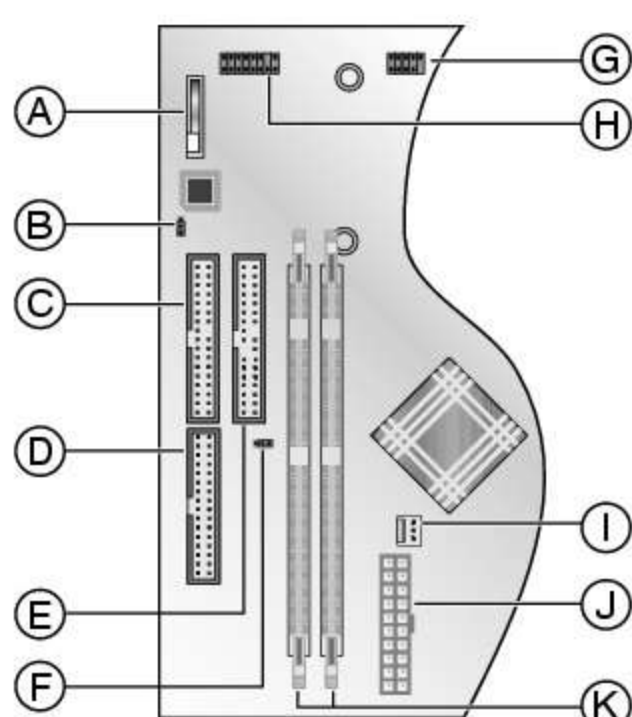
- PC133 SDRAM DIMM system memory
- AMD® Athlon™ processors at 1000 MHz, 1100 MHz, 1133 MHz, 1200 MHz, 1300 MHz, 1333 MHz, and 1400 MHz
- Ultra ATA 33/66/100 drives
- 100/133 MHz Front Side Bus (FSB)
- 4x AGP
- Integrated Sigmatal™ STAC9756 software-based audio

System board layout

The following illustration shows the system board divided into two sections:

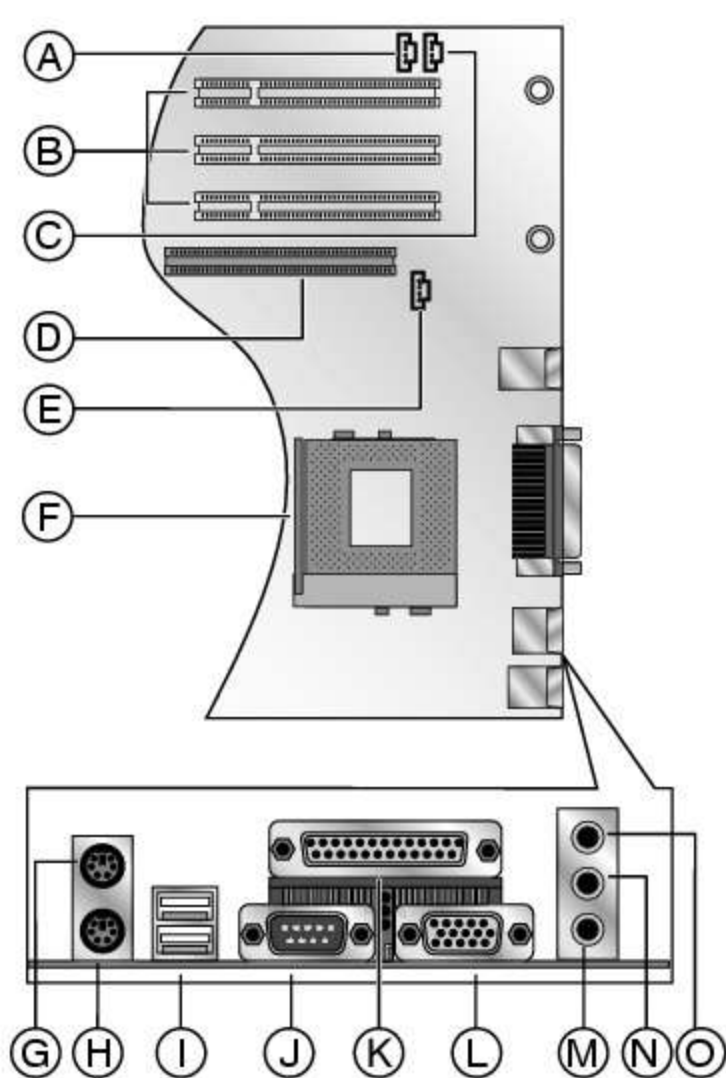


Section 1



- A. Battery
- B. BIOS configuration jumper block
- C. Secondary IDE cable connector
- D. Diskette cable connector
- E. Primary IDE cable connector
- F. Front Side Bus (FSB) Speed jumper block
- G. USB front panel header
- H. Front panel wiring harness connector
- I. Processor fan cable connector
- J. Power supply cable connector
- K. Memory expansion slots

Section 2



- A. Auxiliary audio connector
- B. PCI expansion slots
- C. Modem audio connector
- D. AGP expansion slot
- E. CD audio connector
- F. Processor socket
- G. Personal System/2™ (PS/2) mouse connector
- H. PS/2 keyboard connector
- I. USB connectors
- J. Serial (COM) connector
- K. Parallel (LPT) printer connector
- L. Monitor connector
- M. Line out/Speakers audio connector (Lime)
- N. Line in audio connector (Light Blue)
- O. Microphone audio connector (Pink)

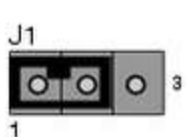
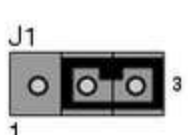
Front Side Bus Speed configuration jumper settings

The Front Side Bus (FSB) Speed configuration jumper lets you set the speed of your Front Side Bus to 100 MHz or 133 MHz. For information about the location of this jumper, [see Section 1](#).

Warning

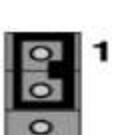
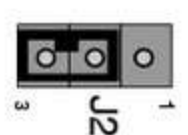
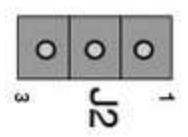


Setting the FSB speed to 133 MHz while using a 100 MHz FSB speed processor may damage your processor and main system board.

Setting	Jumper placement	When used
133 MHz		For 133 MHz FSB speed (1-2 position)
100 MHz		For 100 MHz FSB speed (2-3 position)

BIOS configuration jumper settings

The BIOS configuration jumper lets you clear passwords or recover your BIOS if it becomes corrupted. For information about the location of this jumper, [see Section 1](#).

Setting	Jumper placement	When used
Normal		For normal operation (1-2 position)
Configure		For clearing passwords (2-3 position)
Recover		For recovering the BIOS (no jumper)

Specifications

The following specifications are for the standard configuration. Your system may contain optional equipment. All specifications are subject to change without notice or obligation.

Supported processors	AMD® Athlon™ processors at 1000 MHz, 1100 MHz, 1133 MHz, 1200 MHz, 1300 MHz, 1333 MHz, and 1400 MHz
Chipset	VIA® KM133
Memory	PC133 SDRAM DIMM system memory Two Dual Inline Memory Module (DIMM) slots. Supports 1 GB SDRAM (using 256 Mbit-based DRAM).
Audio subsystem	Integrated Sigmatal™ STAC9756 software-based audio with 4-pin ATAPI style connectors for external modem speakerphone (TAD), TV tuner in, and CD audio in. 3.5 mm audio jacks for line in (with auto-sensing digital support), line out, and microphone in.
Video subsystem	Integrated S3 Savage4 2D/3D
BIOS	AMI BIOS. Flash BIOS for easy updates from diskette.
Hard drive interface	Supports four IDE devices using two on-board PCI IDE connectors with PIO, Bus Master, and Ultra DMA33/66/100 operation modes. Automatic drive type selection for easy setup.
Diskette drive interface	A diskette drive controller is integrated on the system board. Support is available for a single diskette drive.
Universal Serial Bus (USB)	2 rear ports Support for 2 front ports
Battery	2032-style
AGP expansion slot	1
PCI expansion slots	3
Environment	Internal temperature: 0°C to +55°C (32°F to +131°F) Humidity: 20% to 80% Altitude: -60.96 m to 3048 m (-200 ft to 10,000 ft) Shock: half-sine 2 ms Vibration: 10 Hz to 40 Hz, 0.015 g 2 Hz (flat) 2 Hz to 200 Hz, 0.25 g sinusoidal CPU clearance: >10.16 mm (>0.4 inches) after installation, top and sides

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