

# **6318 V3.0 User's Guide**

G52-MA00320

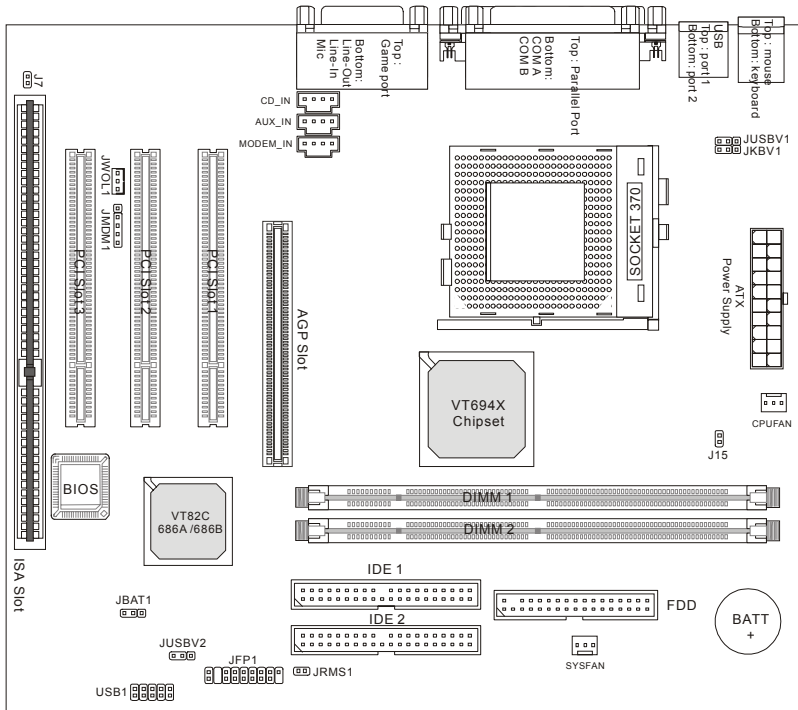
## Introduction

The MS-6318 Micro ATX VA6 mainboard is a high-performance computer mainboard based on VIA® VT82C694X chipset. The MS-6318 is designed for the Intel® Celeron™ or Coppermine(FC-PGA) processor for inexpensive business/personal desktop markets.

The Apollo Pro133A (VT82C694X) is a Socket-370 system logic north bridge with the addition of 133 MHz capability for both the CPU and SDRAM interfaces. Apollo Pro133A may be used to implement both desktop and notebook personal computer systems from 66MHz to 133MHz based on Socket-370 (Intel Celeron/Coppermine(FC-PGA) processors). The primary features of the Apollo Pro133A-North Bridge are: Slot-1 or Socket-370 CPU (Front Side Bus) Interface (66 / 100 / 133MHz), DRAM Memory Interface (66 / 100 / 133MHz), AGP Bus Interface (66MHz), PCI Bus Interface (33MHz), Mobile Power Management.


The VT82C686A/686B PSIPC (PCI Super-I/O Integrated Peripheral Controller) is a high integration, high performance, power-efficient, and high compatibility device that supports Intel and non-Intel based processor to PCI bus bridge functionality to make a complete Microsoft PC99-compliant PCI/ISA system.

# Mainboard Layout





## MS-6318 V3.0 Micro ATX VA6 Mainboard

## Jumpers & Connectors Description

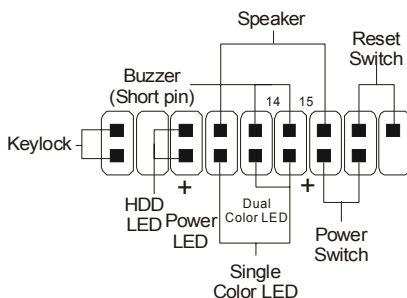
**J7**  Audio hardware controller. Short to enable the on-board audio, remove to disable.

**JRMS1**  Power switch.


**CPUFAN /SYSFAN**  These connector support system cooling fan with +12V. It supports three pin head connector. When connecting the wire to the connector, always take note that the red wire is the positive and should be connected to the +12V, the black wire is Ground and should be connected to GND. If your mainboard has System Hardware Monitor chipset on-board, you must use a specially designed fan with speed sensor to take advantage of this function.


**JBAT1**  <sup>3</sup>  
<sub>1</sub> A battery must be used to retain the mainboard configuration in CMOS RAM. Short 1-2 pins of JBAT1 to store the CMOS data.

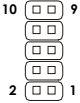
### JFP1





The Keylock (reserved), Power Switch, Reset Switch, Power LED, Speaker, and HDD LED are all connected to the JFP1 connector block.


**JMDM1**  <sup>5</sup>  
<sub>1</sub> The JMDM1 connector is for used with Modem add-on card that supports the Modem Wake Up function.

**JWOL1**  <sup>3</sup>  
<sub>1</sub> The JWOL1 connector is for use with LAN add-on cards that supports Wake Up on LAN function. To use this function, you need to set the “Wake-Up on LAN” to enable at the BIOS Power Management Setup.

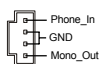
**JUSB1**  The mainboard provides a front Universal Serial Bus connector.


**JUSBV1**  USB power selection. Short 1-2 pins to use suspend power, 2-3 pins to use normal power.


**JUSBV2**  USB power selection. Short 1-2 pins to use suspend power, 2-3 pins to use normal power.

**JKBV1**  Keyboard and mouse power selection. Short 1-2 pins to use suspend power, 2-3 pins to use normal power.

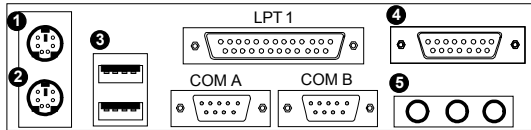
**J15**  Reserved for LG for suspend-LED.

**MDM\_IN**  The connector is for Modem with internal voice connector.

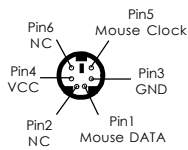
**AUX\_IN**  This connector is used for DVD Add on Card with Line In connector.

**CD\_IN**  This connector is for CD-ROM audio connector.

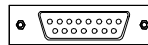
# Back Panel



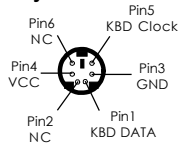
## 1 Mouse Connector



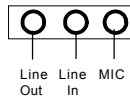
## 4 Joystick/MIDI



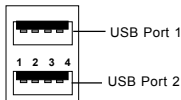
## 2 Keyboard Connector



## 5 Audio Ports



## 3 USB Ports



PIN	SIGNAL
1	VCC
2	-Data
3	+Data
4	GND