

# Intel® Desktop Boards D850MD and D850MV Quick Reference

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*This guide is written for technically qualified personnel with experience installing and configuring desktop boards.*

## Before You Begin

Warning and Caution .....	3
Safety and Regulatory Notice .....	3

## Desktop Board Components

D850MD Board Components .....	4
D850MV Board Components .....	6

## Supported Components

Processors .....	8
Memory Module Requirements .....	8

## Installation Steps

1 Installing the I/O Shield .....	9
2 Installing the Desktop Board .....	10
3 Installing the Processor Fan Heatsink Base .....	12
4 Installing the Processor .....	14
5 Installing the Processor Fan Heatsink .....	14
6 Installing the Memory Modules .....	15
7 Installing the AGP card Retention Mechanism .....	16
8 Installing an AGP Card .....	18
9 Connecting the Fans to the D850MD Board .....	19
10 Connecting the Fans to the D850MV Board .....	20
11 Attaching the IDE Cable .....	21

## Setting the BIOS Configuration Jumper..... 22

## BIOS Setup Program Defaults..... 23

## Items on the Intel® Express Installer CD-ROM

- Product warranty
- Intel Express Installer
- *Intel® Desktop Boards D850MD and D850MV Product Guide*
- Software utilities and drivers
- Software license agreement
- Readme file

Part number: A57862-001

## Getting Help

View or download product support information from Intel's World Wide Web site: <http://support.intel.com/support/motherboards/desktop>

Documents on the Web site include:

- *Intel® Desktop Board D850MD/D850MV Technical Product Specification*
- *Intel® Desktop Board D850MD/D850MV Specification Update*

If you can't find the information you need on the Web, contact your point of purchase. The Intel World Wide Web site also includes telephone numbers and billing charges, if applicable, for Intel customer support.

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The D850MD and D850MV desktop boards may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Contact your local Intel sales office or your distributor to obtain the latest specifications and before placing your product order.

Copies of documents which have an ordering number and are referenced in this document, or other Intel literature, may be obtained from Intel Corporation by going to the World Wide Web site at: <http://www.intel.com> or by calling 1-800-548-4725.

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## Before You Begin

### Warning and Caution



#### WARNING

*Disconnect the board's power supply from its ac power source before you connect or disconnect cables, or install or remove any board components. Failure to do this can result in personal injury or equipment damage. Some circuitry on the desktop board can continue to operate even though the front panel power switch is off.*



#### CAUTION

*Electrostatic discharge (ESD) can damage desktop board components. Install the board at an ESD-controlled workstation. If such a workstation is not available, wear an antistatic wrist strap or touch the surface of the antistatic package before handling the board.*

### Safety and Regulatory Notice

See the *Intel® Desktop Boards D850MD and D850MV Product Guide* for all applicable regulatory compliance statements, product certification markings, and safety and electromagnetic compatibility (EMC) standards and regulations these desktop boards are compliant with.

***Replacement battery warning label provided:*** Place the label inside the chassis in an easy-to-see location near the battery but not on the board itself.

***Intended uses:*** This product was evaluated as information technology equipment (I.T.E.) for home or office use when installed into an appropriate computer chassis. Other end uses or locations may require further evaluation.

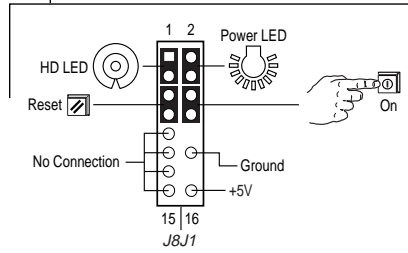
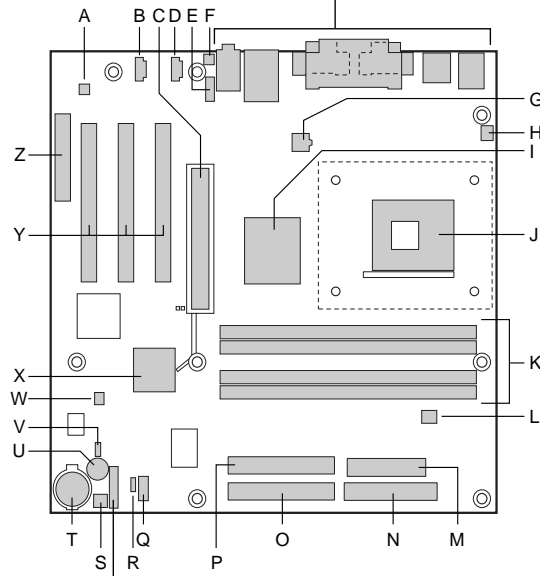
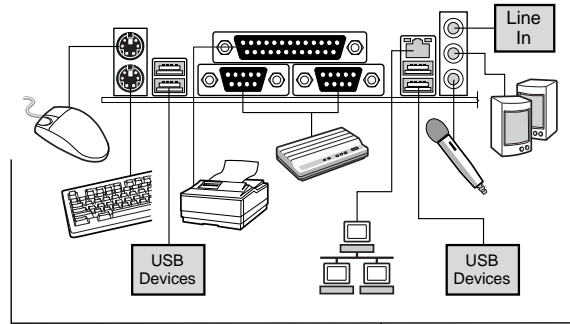


#### NOTE

*The D850MD board layout was used for illustrations unless otherwise noted.*

# Desktop Board Components

## D850MD Board Components



OM11845

continued

### D850MD Board Components (continued)

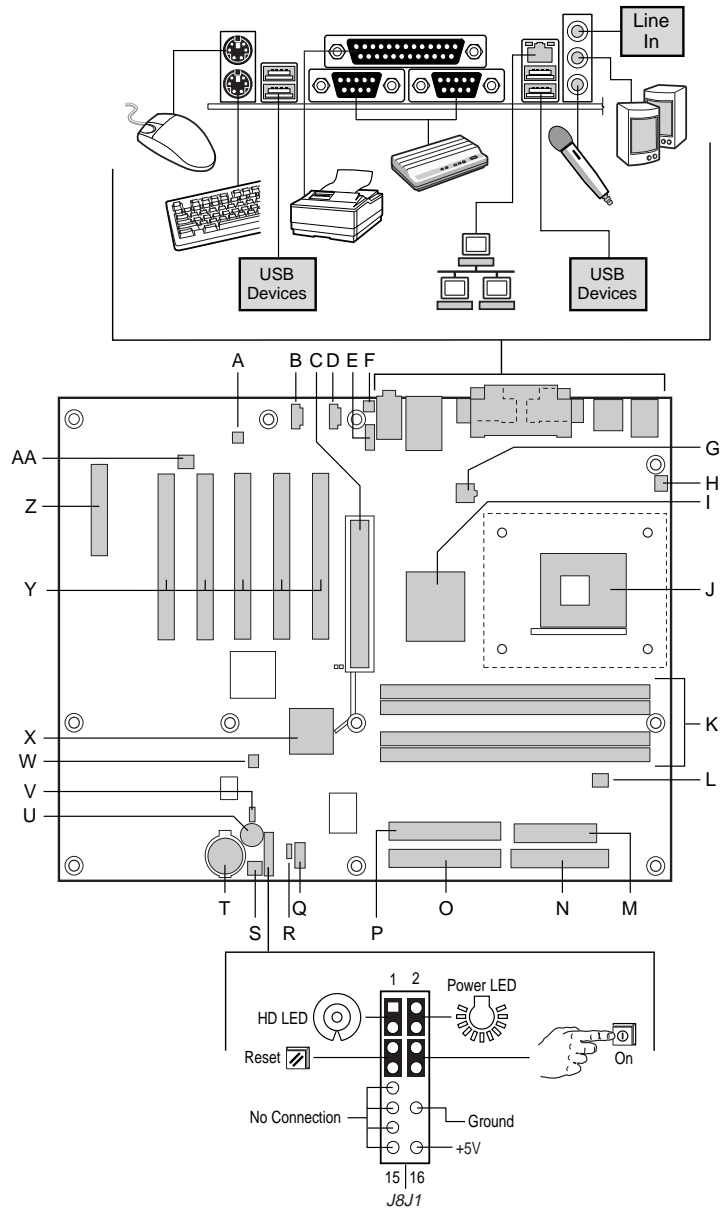
A	ADI AD1885 audio codec	N	Diskette drive connector
B	Auxiliary line-in connector (ATAPI)	O	Primary IDE connector
C	AGP connector	P	Secondary IDE connector
D	CD-ROM connector (ATAPI)	Q	Front panel USB connector
E	Front panel audio connector	R	Alternate power/sleep LED connector
F	Chassis intrusion connector	S	Chassis fan connector (fan 2) (tachometer input)
G	12 V processor core voltage connector	T	Battery
H	Processor fan connector (CPU fan) (tachometer input)	U	Speaker
I	Intel® 82850 Memory Controller Hub (MCH)	V	BIOS configuration jumper
J	Processor socket	W	SCSI hard drive activity LED connector
K	RIMM sockets	X	Intel® 82801BA I/O Controller Hub (ICH2)
L	RIMM fan connector (fan 1)	Y	PCI bus add-in card connectors
M	Power connector	Z	Communication and Networking Riser (CNR) (optional)



#### CAUTION

*Many of the internal connectors provide operating voltage (+5 V dc and +12 V dc, for example) to devices inside the computer chassis, such as fans and internal peripherals. These connectors are not overcurrent protected. Do not use these connectors for powering devices external to the computer chassis. A fault in the load presented by the external devices could cause damage to the computer, the interconnecting cables, and the external devices themselves.*

## D850MV Board Components



OM12076

continued

### D850MV Board Components (continued)

A	ADI AD1885 audio codec	O	Primary IDE connector
B	ATAPI auxiliary line-in connector	P	Secondary IDE connector
C	AGP connector	Q	Front panel USB connector
D	ATAPI CD-ROM connector	R	Alternate power/sleep LED connector
E	Front panel audio connector	S	Chassis fan connector (fan 2) (tachometer input)
F	Chassis intrusion connector	T	Battery
G	12 V processor core voltage connector	U	Speaker
H	Processor fan connector (CPU fan) (tachometer input)	V	BIOS configuration jumper
I	Intel 82850 Memory Controller Hub (MCH)	W	SCSI hard drive activity LED connector
J	Processor socket	X	Intel 82801BA I/O Controller Hub (ICH2)
K	RIMM sockets	Y	PCI bus add-in card connectors
L	RIMM fan connector (fan 1)	Z	Communication and Networking Riser (CNR) (optional)
M	Power connector	AA	Chassis fan (fan 3)
N	Diskette drive connector		



#### CAUTION

*Many of the internal connectors provide operating voltage (+5 V dc and +12 V dc, for example) to devices inside the computer chassis, such as fans and internal peripherals. These connectors are not overcurrent protected. Do not use these connectors for powering devices external to the computer chassis. A fault in the load presented by the external devices could cause damage to the computer, the interconnecting cables, and the external devices themselves.*

# Supported Components

## Processors



### CAUTION

*Failure to use an ATX12V power supply, or not connecting the additional power supply lead to the D850MD or D850MV board may result in damage to the desktop board.*

*For more information on the ATX12V power supply, refer to the Intel Desktop Boards D850MD and D850MV Product Guide on the Intel Express Installer CD-ROM.*

The board supports the following processors:

Type	Designation	System Bus Frequency
Intel® Pentium 4 processor in an mPGA-478 package	1.4, 1.5, 1.6, 1.7, and 1.8 GHz	400 MHz

For the latest information on processors supported by the D850MD and D850MV boards, refer to the Intel World Wide Web site at:

<http://support.intel.com/support/motherboards/desktop>

## Memory Module Requirements

The board has four 2.5 V memory module sockets that support RIMMs containing Direct Rambus DRAM (RDRAM) devices.

The board supports the following memory features:

- Maximum of 32 RDRAM devices per channel
- Memory configurations from 128 MB (minimum) to 2 GB (maximum) using 128/144 Mbit or 256/288 Mbit technology
- PC600 or PC800 compliant RDRAM
- Single or double-sided RIMM modules
- Serial Presence Detect (SPD) memory only
- ECC and non-ECC support



### NOTE

*For information about vendors that support these memory requirements, refer to the D850MD or D850MV link on this Intel World Wide Web site:*

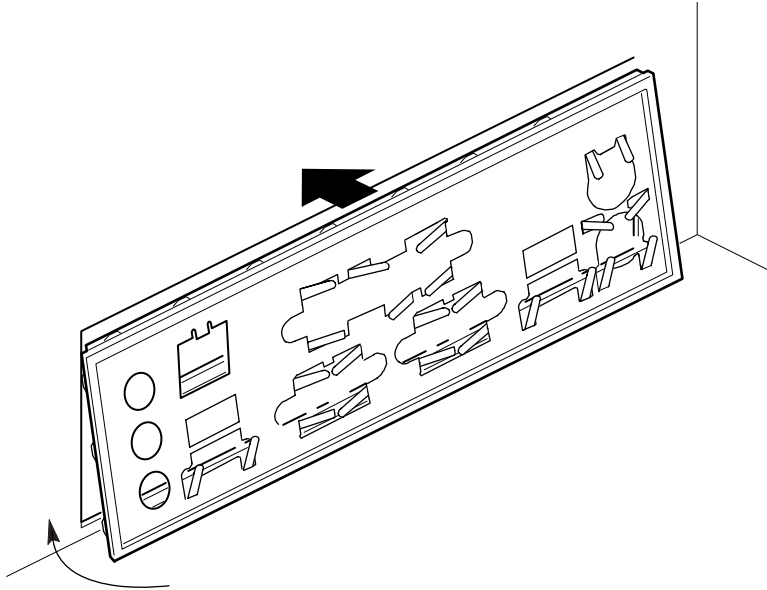
<http://support.intel.com/support/motherboards/desktop>

# Installation Steps

## 1 Installing the I/O Shield

The board comes with an I/O shield. When installed in the chassis, the shield blocks radio frequency transmissions, necessary to pass emissions (EMI) certification testing, protects internal components from dust and foreign objects, and promotes correct airflow within the chassis.

Install the I/O shield before installing the board in the chassis. Place the shield inside the chassis as shown in the following figure. Press the shield into place so that it fits tightly and securely. If the shield doesn't fit, obtain a properly sized shield from the chassis supplier.



OM12116

## 2 Installing the Desktop Board

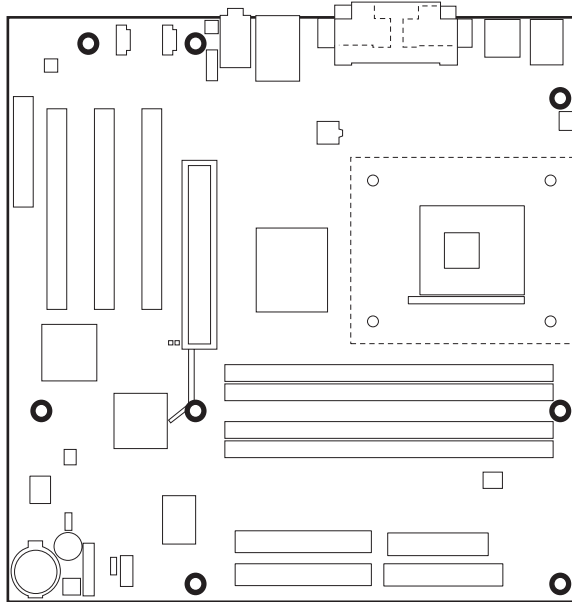


### CAUTION

*Failure to use an ATX12V power supply, or not connecting the additional power supply lead to the D850MV or D850MD board may result in damage to the desktop board.*

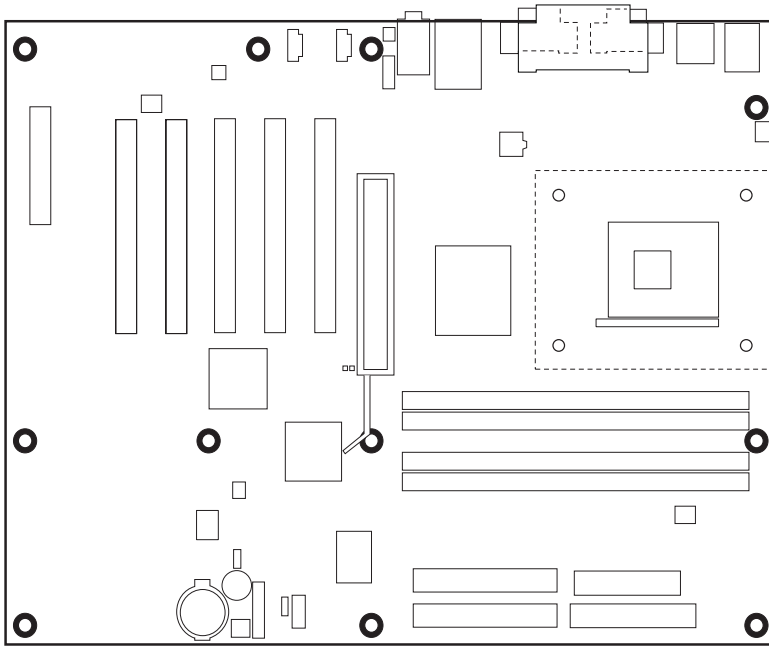
*For more information on the ATX12V power supply, refer to the Intel Desktop Boards D850MD and D850MV Product Guide on the Intel Express Installer CD-ROM.*

Refer to your chassis manual for specific instructions on installing and removing the board. The D850MD board is secured to the chassis by eight screws and the D850MV board by 11 screws. See the two illustrations below for mounting hole locations of the two boards.



OM11831

**D850MD Board Mounting Holes**



OM12178

### D850MV Board Mounting Holes

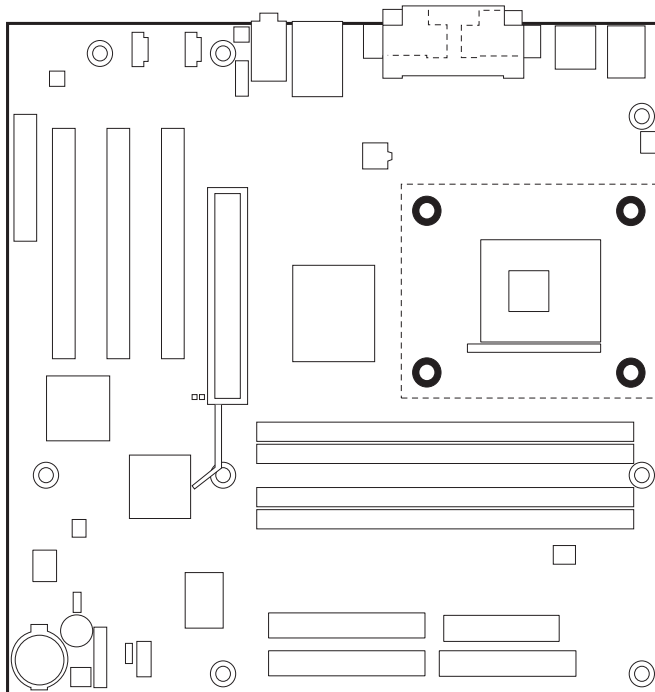
### 3 Installing the Processor Fan Heatsink Base

**NOTE**

*The following assembly operation should be performed after the desktop board is secured in the chassis.*

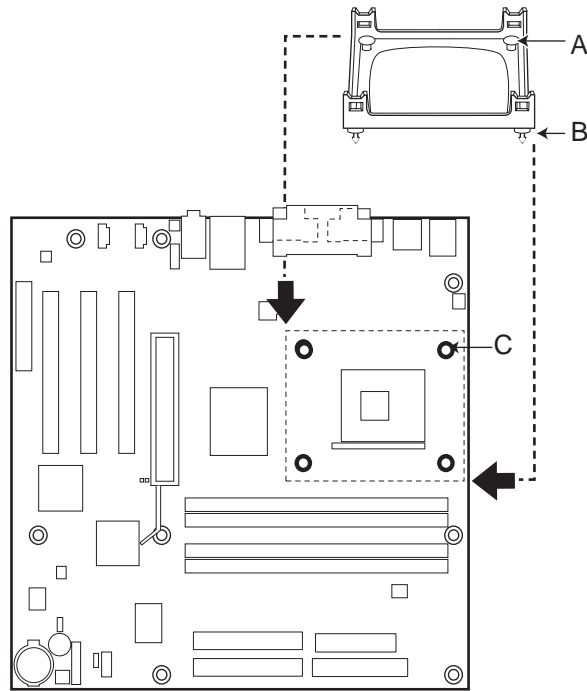
The desktop board comes with a processor fan heatsink base. Follow the instructions below to install the base to the board.

- 1 Observe the precautions in “Before You Begin” on page 3.
- 2 The processor fan heatsink base is secured to the board with four pushpins. See the location of the processor fan heatsink base holes in the following figure.



OM12079

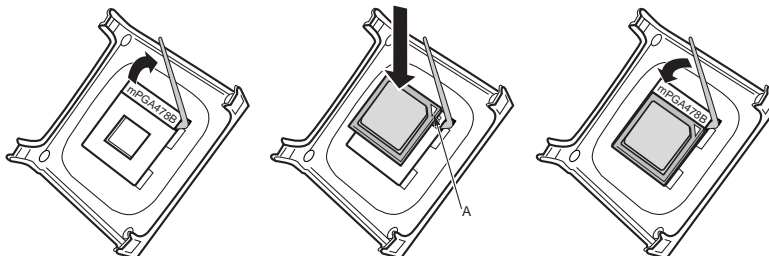
- 3 Align the four fasteners (B) of the processor fan heatsink RM base with the corresponding holes in the desktop board (C). Gently press the base down until all four corners snap into place. Verify that all four fasteners are fully engaged, then press down each of the four locking pushpins (A) to fully secure the base to the desktop board.



OM12177

## 4 Installing the Processor

- 1 Observe the precautions in “Before You Begin” on page 3.
- 2 Lift the processor socket lever.
- 3 Install the processor so that the corner with the triangle marking (A) is aligned with the corner where the lever is attached to the socket.
- 4 Lower the lever back to its original position.



OM12078

## 5 Installing the Processor Fan Heatsink

For instructions on how to install the processor fan heatsink, refer to the boxed processor manual or the Intel World Wide Web site at:

<http://support.intel.com/support/motherboards/desktop>

## 6 Installing the Memory Modules



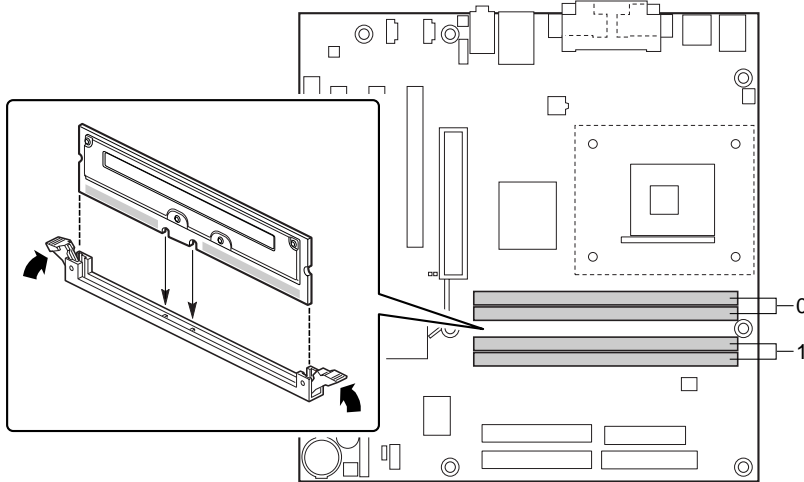
### CAUTIONS

*Install a Continuity RIMM (CRIMM) in each unused memory socket or the board will not boot.*

*High insertion force may be required to install the RIMMs and CRIMMs. Use caution when inserting the RIMMs and CRIMMs to prevent the board from flexing.*

Install RIMMs into bank 0 first. If the desired memory configuration has been achieved, insert CRIMMs into bank 1.

If memory is to be installed in bank 1, the RIMM modules to be installed must be identical in size and density to each other, and match the speed of the RIMM modules in bank 0. For example, if bank 0 has two 128 MB RIMMs of PC800 RDRAM, bank 1 would require PC800 RDRAM also, however, any other supported RIMM modules such as 64 MB or 128 MB could be used.



OM11832

## 7 Installing the AGP card Retention Mechanism



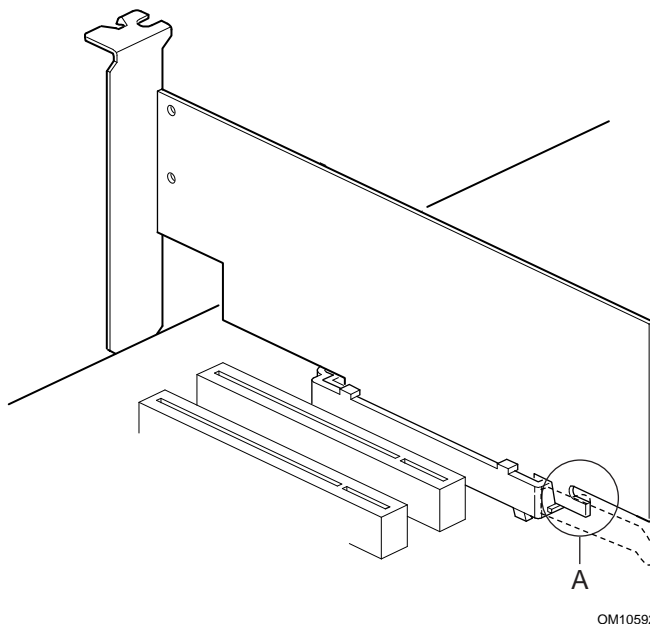
### CAUTION

Install the AGP card retention mechanism (RM) only when using an AGP card with a retention notch (A) as shown in the figure below. Using the AGP RM with an unnotched card may impair video operation. See the Intel Desktop Boards D850MD and D850MV Product Guide on the Intel Express Installer CD-ROM for AGP RM removal instructions.



### NOTE

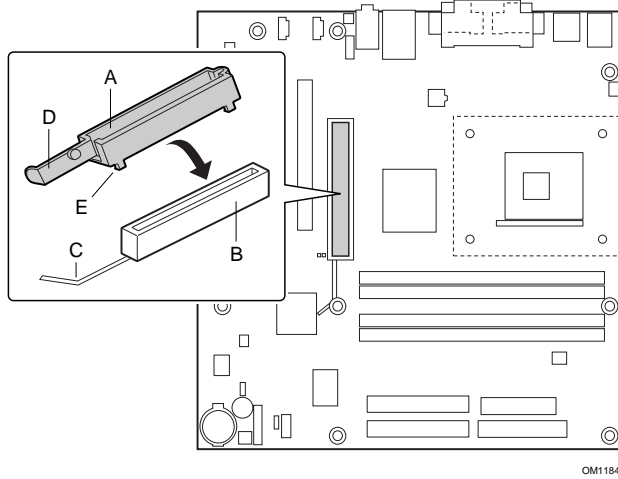
All D850MD and D850MV boxed desktop boards may not include an AGP RM. Skip to the Installing an AGP Card heading on page 18 if your boxed desktop board does not include an AGP RM.



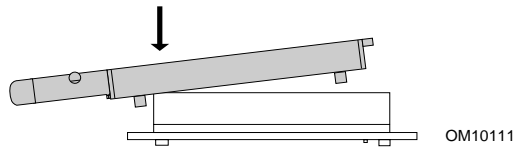
The RM encloses the board's AGP connector and stabilizes the AGP card. Place the board (component side up) on a flat, supportive surface.

Follow the steps outlined below to attach the AGP RM (A) to the AGP connector (B):

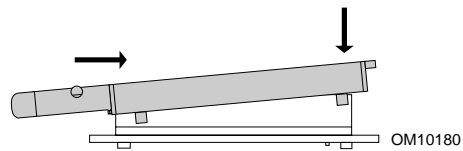
- 1 Locate the AGP connector on the board as shown below. Note that the board's silkscreen (C) indicates the correct final position of the lever (D) on the RM.



- 2 Position the AGP RM over the AGP connector as shown below.



- 3 Push the lever end of the AGP RM in the direction of the arrow until the two rearmost tabs (E) spread over the end of the AGP connector.



- 4 Push the free end of the AGP RM over the other end of the AGP connector and press down evenly on both ends of the AGP RM until all four tabs click underneath the AGP connector. Do not apply unnecessary pressure to avoid damaging the board.



## 8 Installing an AGP Card



### NOTES

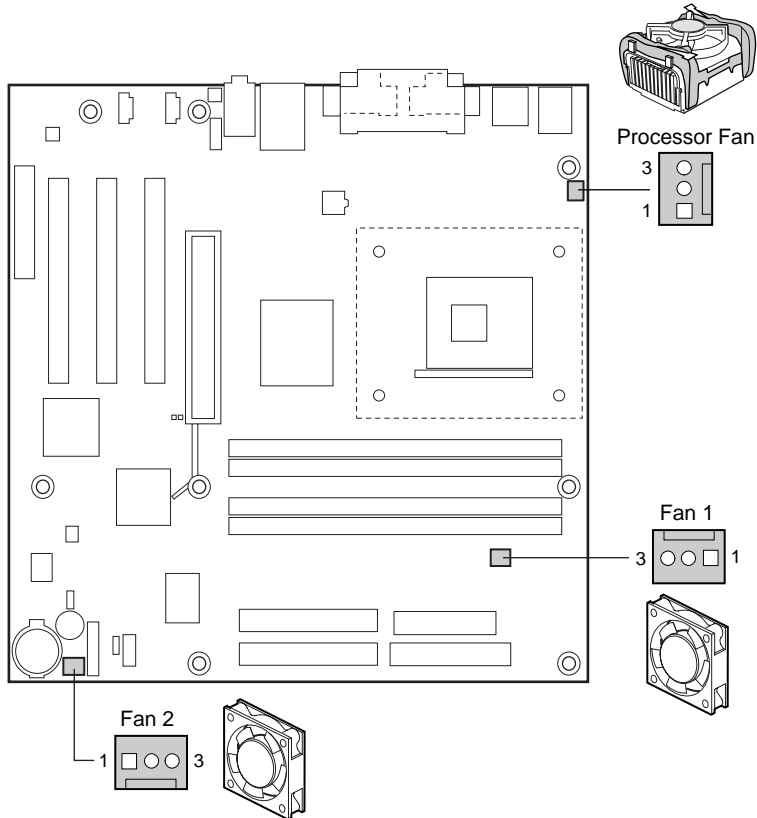
*The D850MD and D850MV boards are only compatible with 1.5 V AGP cards.*

Follow these instructions to install an AGP card if it has a retention notch.

- 1 Observe the precautions in “Before You Begin” on 3.
- 2 Place the AGP card in the AGP connector.
- 3 Press down on the card until it is completely seated in the connector and the card retention notch snaps into place below the RM.
- 4 Secure the card’s metal bracket to the chassis back panel with a screw.

## 9 Connecting the Fans to the D850MD Board

The following figure shows the location of the fan connectors for the D850MD board. Connect the processor's fan heatsink cable to the processor fan connector on the board. Connect the chassis fan cables to the board connectors as shown in the figure below. The processor fan and fan 2 can be monitored via the Intel® Active Monitor software application.

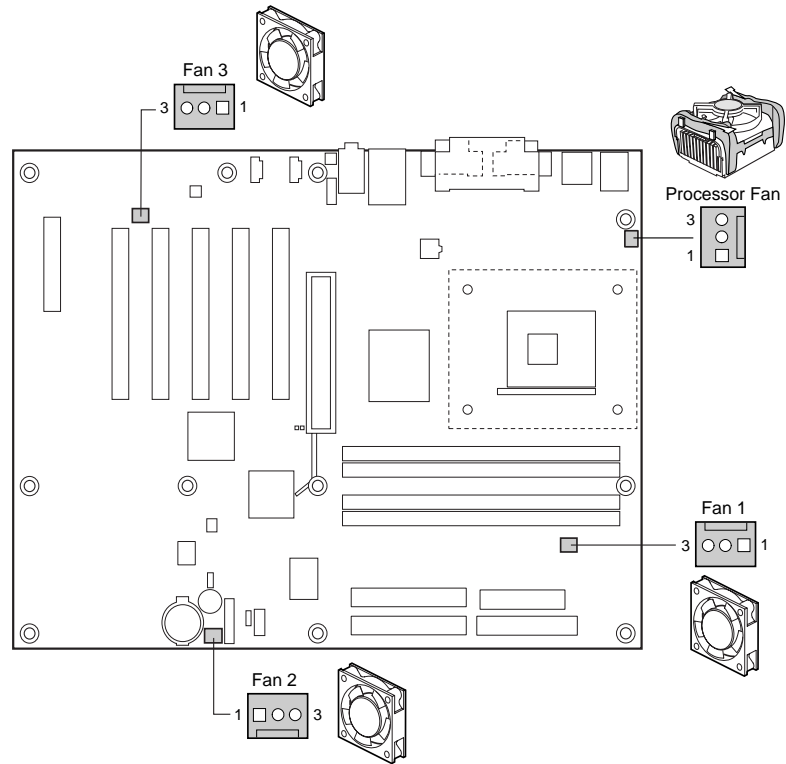


OM11844

**D850MD Board Fan Connectors**

## 10 Connecting the Fans to the D850MV Board

The following figure shows the location of the fan connectors for the D850MV board. Connect the processor's fan heatsink cable to the processor fan connector on the board. Connect the chassis fan cables to the board connectors as shown in the figure below. The processor fan and fan 2 can be monitored via the Intel Active Monitor software application.



OM12075

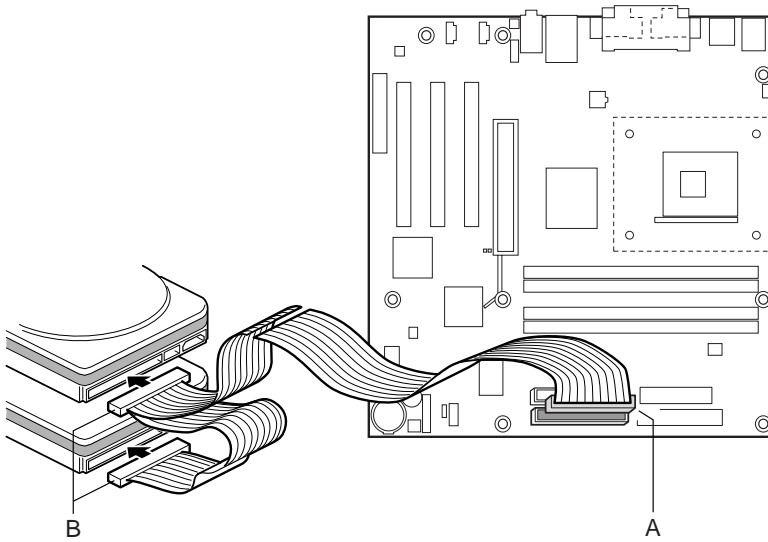
**D850MV Board Fan Connectors**

## 11 Attaching the IDE Cable

The Intel® boxed desktop board package includes two IDE cables. Either cable can connect two drives to the desktop board. The cables support the Ultra DMA-33 (40-contact) or ATA-66/100 (40-contact, 80-conductor) transfer protocols and are backward compatible with drives using slower IDE transfer protocols.

The cable will work correctly only when oriented as shown in the figure below. For correct cable function:

- 1 Observe the precautions in “Before You Begin” on page 3.
- 2 Attach the cable end with the single connector (A) to the board.
- 3 Attach the cable end with the two closely spaced connectors (B) to the drives.



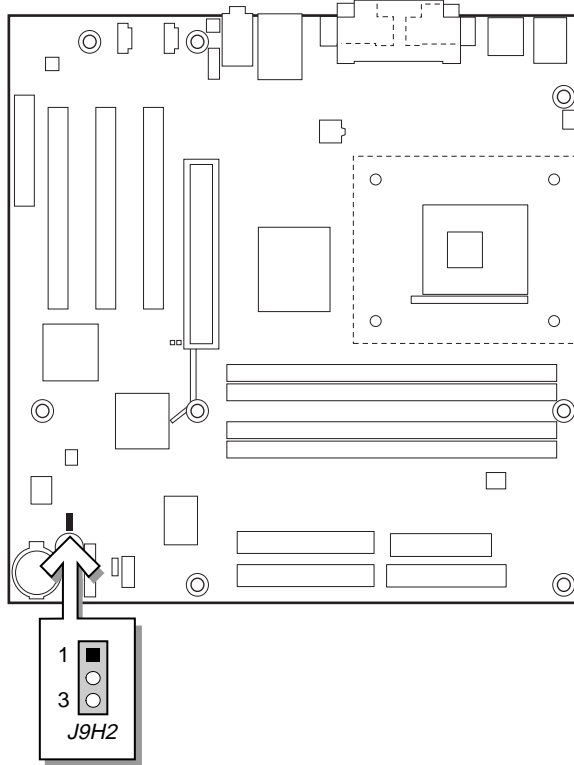
OM11835

## Setting the BIOS Configuration Jumper



### CAUTION




*Always turn off the power and unplug the power cord from the computer before changing the jumper. Moving the jumper with the power on may result in unreliable computer operation.*



OM11836

The BIOS configuration jumper (J9H2) determines the operating mode of the BIOS Setup Program and enables BIOS recovery in the event of a failed BIOS update. The following table describes the jumper settings for the BIOS Setup configuration jumper.

#### BIOS Setup Configuration Jumper Settings

Jumper Position	Mode	Description
 1 3	Normal (default)	The BIOS uses the current configuration and passwords for booting.
 1 3	Configure	After the Power-On Self-Test (POST) runs, the BIOS displays the Maintenance Menu. Use this menu to clear passwords.
 1 3	Recovery	The BIOS recovers data from a recovery diskette in the event of a failed BIOS update. To update or recover the BIOS, see the instructions in the <i>Intel Desktop Boards D850MD and D850MV Product Guide</i> on the Intel Express Installer CD-ROM.

## BIOS Setup Program Defaults

To disable the audio interface, select the Peripheral Configuration Submenu under the Advanced Menu, then set Audio Device to “Disabled.”

To disable the LAN interface, select the Peripheral Configuration Submenu under the Advanced Menu, then set LAN Device to “Disabled.”

You can find a complete list of the latest BIOS Setup settings in the *Intel Desktop Boards D850MD and D850MV Product Guide* or on the Intel World Wide Web site at:

<http://support.intel.com/support/motherboards/desktop>



# Intel® 桌面主板

## D850MD 和 D850MV

### 快速参考指南

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本指南供已具备安装和配置桌面主板经验的合格技术人员使用。

#### 开始之前

警告和注意事项 .....	3
安全和规范通告 .....	3

#### 桌面主板元件

D850MD 桌面主板元件 .....	4
D850MV 桌面主板元件 .....	6

#### 支持的元件

处理器 .....	8
内存模块要求 .....	8

#### 安装步骤

1 安装 I/O 防护板 .....	9
2 安装桌面主板 .....	10
3 安装处理器风扇散热器座 .....	12
4 安装处理器 .....	14
5 安装处理器风扇散热器 .....	14
6 安装内存模块 .....	15
7 安装 AGP 卡固定架 .....	16
8 安装 AGP 卡 .....	18
9 将风扇连接到 D850MD 母板上 .....	19
10 将风扇连接到 D850MV 母板上 .....	20
11 连接 IDE 电缆 .....	21

#### 设置 BIOS 配置跳线 .....

22

#### BIOS Setup (设置) 程序默认设置 .....

23

#### Intel® Express Installer (快速安装程序) 光盘内容

- 产品保修书
- Intel Express Installer (快速安装程序)
- Intel® 桌面主板 D850MD 和 D850MV 产品指南
- 软件实用程序和驱动程序
- 软件许可证协议
- 自述文件

## 获取帮助

您可从以下 Intel 万维网站查看或下载产品的支持信息：

<http://support.intel.com/support/motherboards/desktop>

万维网站上的文档包括：

- Intel® 桌面主板 D850MD/D850MV 产品技术规格
- Intel® 桌面主板 D850MD/D850MV 产品技术规格更新

如果在万维网上找不到需要的信息，请联系您的经销商。Intel 万维网站上还列出了 Intel 客户支持的电话号码及收费标准（若需收费）。

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# 开始之前

## 警告和注意事项



### 警告

在连接或断开母板电缆、安装或拆卸任何母板元件之前，请将母板的交流电源切断。否则，可能会导致人身伤害或损坏设备。即使在关闭前面板电源按钮以后，桌面母板上的某些电路仍可能继续带电。



### 注意

静电释放 (ESD) 可能会损坏桌面母板的元件。请在配备 ESD 控制装置的工作台上安装母板。如果没有 ESD 工作台可用，请在接触母板之前佩戴防静电腕带或触摸防静电包装的表面。

## 安全和规范通告：

有关此产品符合的所有标准及规范的声明、产品认证标识、安全与电磁兼容性 (EMC) 标准以及所符合的各种规章等详情，请参阅《Intel® 桌面母板 D850MD 和 D850MV 产品指南》。

提供的更换电池警告标签：请将此标签贴在机箱内靠近电池且容易看见的位置，注意不要贴在母板上。

设计应用领域：此产品经过评估测试，认定为信息技术设备 (I.T.E.)，可用于家用和商用个人计算机中。此产品在其它应用领域或应用环境的适用性，有待进一步鉴定。

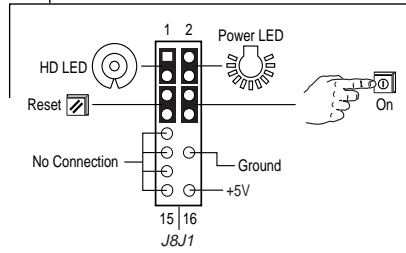
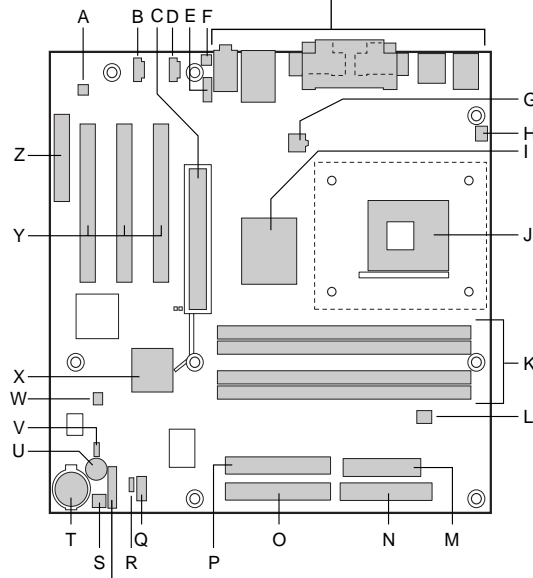
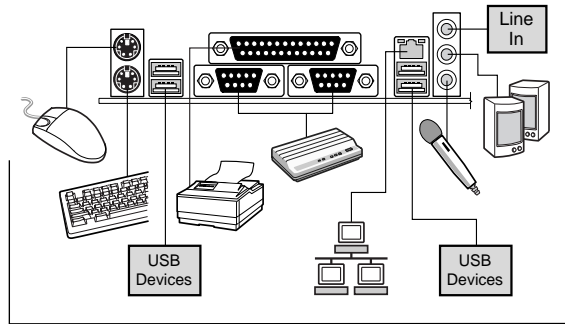


### 注释

本手册的所有图示均为 D850MD 母板的布局，另行注明者除外。

# 桌面主板元件

## D850MD 桌面主板元件



OM11845

待续

## D850MD 桌面主板元件 (续)

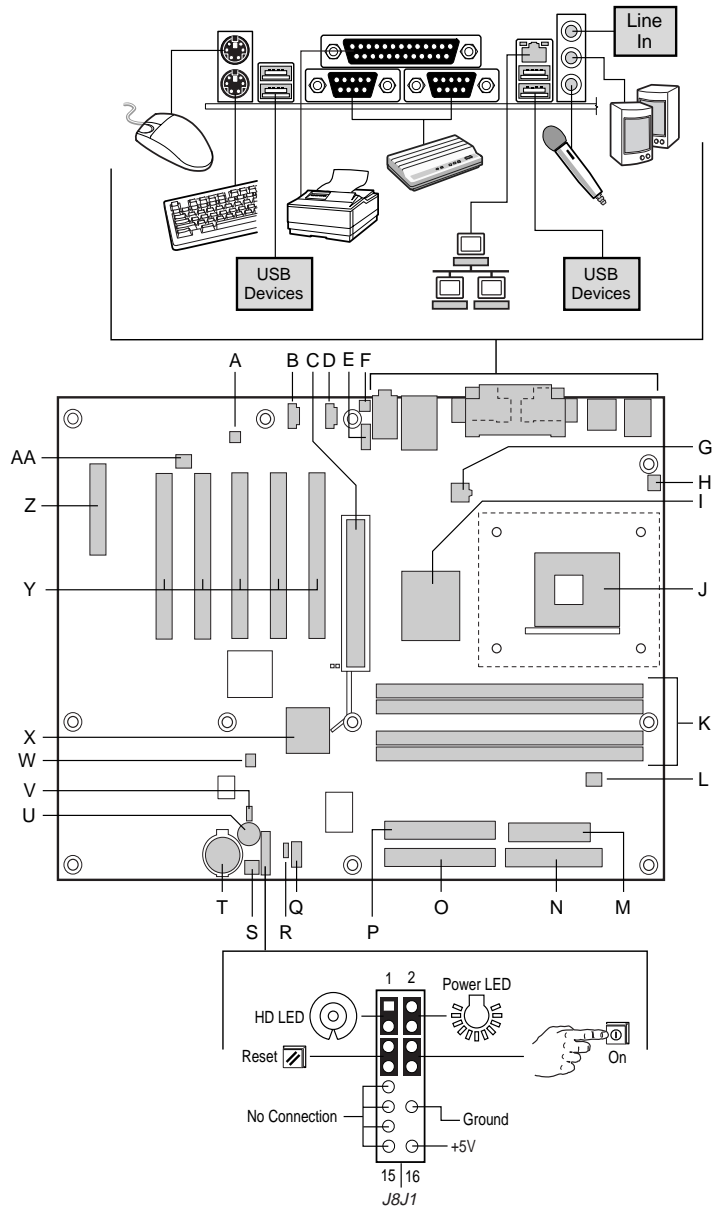
A	ADI AD1885 音频编解码器	N	软盘驱动器连接器
B	辅助线路输入连接器 (ATAPI)	O	主 IDE 连接器
C	AGP 连接器	P	次 IDE 连接器
D	CD-ROM 连接器 (ATAPI)	Q	前面板 USB 连接器
E	前面板音频连接器	R	备用电源 / 睡眠 LED 指示灯连接器
F	机箱开启连接器	S	机箱风扇连接器 (风扇 2) (转速计输入)
G	12 V 处理器内核电压连接器	T	电池
H	处理器风扇连接器 (CPU 风扇) (转速计输入)	U	扬声器
I	Intel® 82850 内存控制器 枢纽 (MCH)	V	BIOS 配置跳线
J	处理器插座	W	SCSI 硬盘驱动器活动 LED 指示灯连接器
K	RIMM 插座	X	Intel® 82801BA I/O 控制器 枢纽 (ICH2)
L	RIMM 风扇连接器 (风扇 1)	Y	PCI 总线附加卡连接器
M	电源连接器	Z	通信和联网提升器 (CNR) 连接器 (可选)



### 注意

许多内部连接器为计算机机箱内的设备 (如风扇和内部外围设备) 提供工作电压 (如, +5 VDC 和 +12 VDC)。这些连接器不具备过载保护。请不要使用这些连接器为计算机机箱外的设备提供电源。由外部设备产生的电源加载故障可能会损坏计算机、互连电缆和外部设备本身。

# D850MV 桌面主板元件



OM12076

待续

## D850MV 桌面主板元件（续）

A	ADI AD1885 音频编解码器	O	主 IDE 连接器
B	ATAPI 辅助线路输入连接器	P	次 IDE 连接器
C	AGP 连接器	Q	前面板 USB 连接器
D	ATAPI CD-ROM 连接器	R	备用电源 / 睡眠 LED 指示灯连接器
E	前面板音频连接器	S	机箱风扇连接器（风扇 2） （转速计输入）
F	机箱开启连接器	T	电池
G	12 V 处理器内核电压连接器	U	扬声器
H	处理器风扇连接器 （CPU 风扇）（转速计输入）	V	BIOS 配置跳线
I	Intel 82850 内存控制器 枢纽 (MCH)	W	SCSI 硬盘驱动器活动 LED 指示灯连接器
J	处理器插座	X	Intel 82801BA I/O 控制器 枢纽 (ICH2)
K	RIMM 插座	Y	PCI 总线附加卡连接器
L	RIMM 风扇连接器（风扇 1）	Z	通信和联网提升器 (CNR) 连接器（可选）
M	电源连接器	AA	机箱风扇（风扇 3）
N	软盘驱动器连接器		



### 注意

许多内部连接器为计算机机箱内的设备（如风扇和内部外围设备）提供工作电压（如，+5 VDC 和 +12 VDC）。这些连接器不具备过载保护。请不要使用这些连接器为计算机机箱外的设备提供电源。由外部设备产生的电源加载故障可能会损坏计算机、互连电缆和外部设备本身。

## 支持的元件

### 处理器



#### 注意

若未使用 ATX12V 电源系统，或未为 D850MD 或 D850MV 主板连接附加电源系统引线，可能会对桌面主板造成损害。

有关 ATX12V 电源系统的详情，请参阅 Intel Express Installer（快速安装程序）光盘上的《Intel 桌面主板 D850MD 和 D850MV 产品指南》。

本主板支持下列处理器：

类型	频率标志	系统总线频率
Intel® Pentium 4 处理器，采用 mPGA-478 引脚封装	1.4 GHz, 1.5GHz, 1.6 GHz, 1.7 GHz 和 1.8 GHz	400 MHz

有关 D850MD 和 D850MV 主板所支持处理器的最新信息，请访问以下 Intel 万维网站点：

<http://support.intel.com/support/motherboards/desktop>

### 内存模块要求

本主板有四个 2.5 V 内存模块插座，支持包含 Direct Rambus DRAM (RDRAM) 设备的 RIMM 内存模块。

本主板支持下列内存功能：

- 每个通道上最多可达 32 个 DRAM 设备
- 使用 128/144 Mbit 或 256/288 Mbit 内存模块，内存容量可配置为 128 MB（最小）至 2 GB（最大）
- 符合 PC600 或 PC800 标准的 RDRAM
- 单面或双面 RIMM 内存模块
- 仅支持“串行设备检测” (SPD) 内存
- ECC（错误校正）和非 ECC 支持



#### 注释

有关支持这些内存要求的产品供应商的详情，请访问以下 Intel 万维网站点中的 D850MD 和 D850MV 链接：

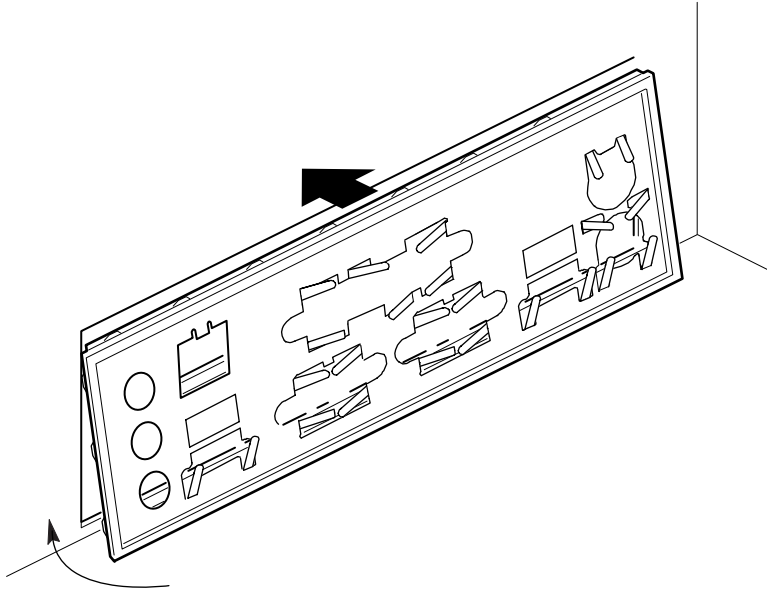
<http://support.intel.com/support/motherboards/desktop>

## 安装步骤

### 1 安装 I/O 防护板

随主板提供了一块 I/O 防护板。在机箱中安装此防护板后，可阻挡无线电射频向外传播，是获得产品辐射 (EMI) 合格认证的必要条件。同时此防护板保护内部元件免受灰尘及异物侵害，并可促进空气在机箱内正确流通。

在机箱中安装主板之前，应先安装 I/O 防护板。如下图所示，将防护板放入机箱中。沿箭头所指方向推压防护板，使其紧固到位。如果防护板不适合机箱的尺寸，请从机箱供应商处获取合适尺寸的防护板。



OM12116

## 2 安装桌面主板

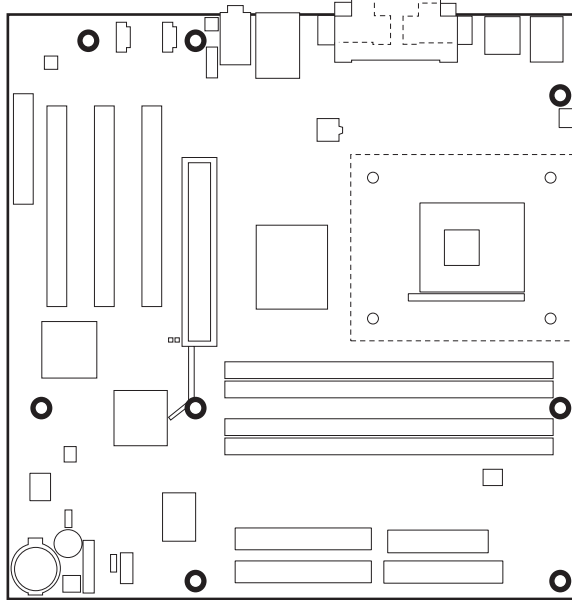


### 注意

若未使用 ATX12V 电源系统，或未为 D850MV 或 D850MD 主板连接附加电源系统引线，可能会对桌面主板造成损害。

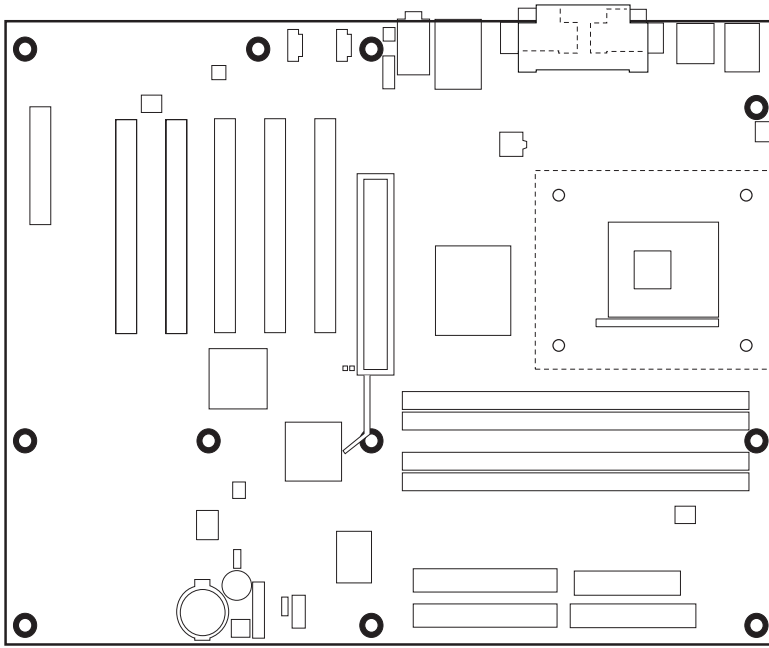
有关 ATX12V 电源系统的详情，请参阅 Intel Express Installer（快速安装程序）光盘上的《Intel 桌面主板 D850MD 和 D850MV 产品指南》。

有关安装和拆卸主板的具体说明，请参阅机箱手册。D850MD 主板需要使用 8 颗螺丝固定到机箱内，而 D850MV 主板则需要使用 11 颗螺丝。以下两幅图分别显示了两种母板上安装螺丝的孔位。



OM11831

D850MD 母板的安装螺丝孔位



OM12178

D850MV 母板的安装螺丝孔位

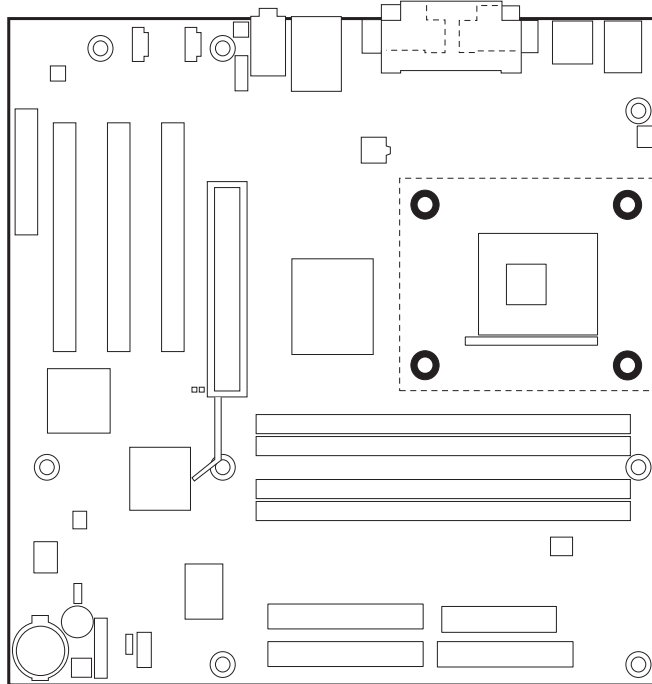
### 3 安装处理器风扇散热器座

#### ► 注释

以下组装操作，应在机箱中安装并固定桌面主板后执行。

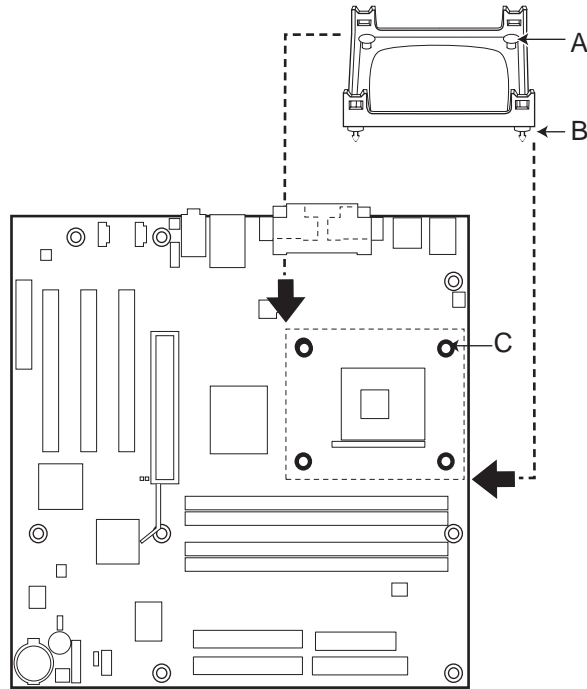
随主板提供了一个处理器风扇散热器座。请按以下步骤将风扇散热器座安装到母板上。

- 1 请遵守“开始之前”中说明的注意事项（参阅第3页）。
- 2 处理器风扇散热器座用4颗高顶钉固定到母板上。下图显示了处理器风扇散热器座的安装孔位。



OM12079

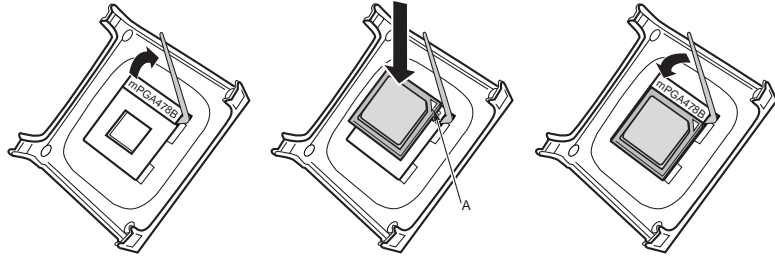
- 3 将处理器风扇散热器 RM 座上的 4 个夹固销 (B) 与桌面母板上对应的孔位 (C) 对齐。轻柔地向下按压散热器座，直到其四个角都卡固到位。检查并确保 4 个夹固销都已完全卡固到位，然后逐个按下 4 个高顶钉 (A)，将散热器座锁固到母板上。



OM12177

## 4 安装处理器

- 1 请遵守“开始之前”中说明的注意事项（参阅第 3 页）。
- 2 将处理器插座的拉杆完全抬起。
- 3 让处理器上有三角标志 (A) 的一角与插座上连接拉杆的一角对齐，将处理器插入插座中。
- 4 将拉杆按回原位，使其完全闭合。



OM12078

## 5 安装处理器风扇散热器

有关安装处理器风扇散热器的指导，请参阅产品包装盒中附送的处理器手册，或访问以下 Intel 万维网站点：

<http://support.intel.com/support/motherboards/desktop>

## 6 安装内存模块



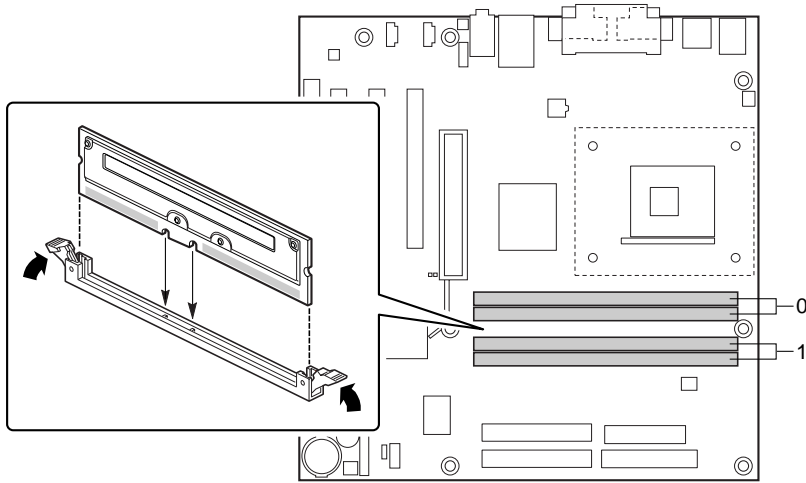
### 注意

在每个未使用的内存插座中必须插入一个连续性 RIMM (CRIMM)，否则主板将无法启动。

在安装 RIMM 或 CRIMM 内存模块时，可能需要用力按压，才可将模块插入插槽。插入 RIMM 或 CRIMM 内存模块时要小心谨慎，以防主板发生弯曲。

首先将 RIMM 插入 Bank 0。如果已达到所需的内存配置，则将 CRIMM 插入 Bank 1。

如果要将内存模块安装到 Bank 1 中，则必须使用尺寸和密度完全相同的 RIMM 模块，并与 Bank 0 中的 RIMM 模块的速度相匹配。例如，若在 Bank 0 中安装了两条 128 MB RIMM 符合 PC800 规格的 RDRAM，则 Bank 1 中也必须安装符合 PC800 规格的 RDRAM，但可以是任何其它支持的 RIMM 模块，如 64 MB 或 128 MB 内存模块。



OM11832

## 7 安装 AGP 卡固定架



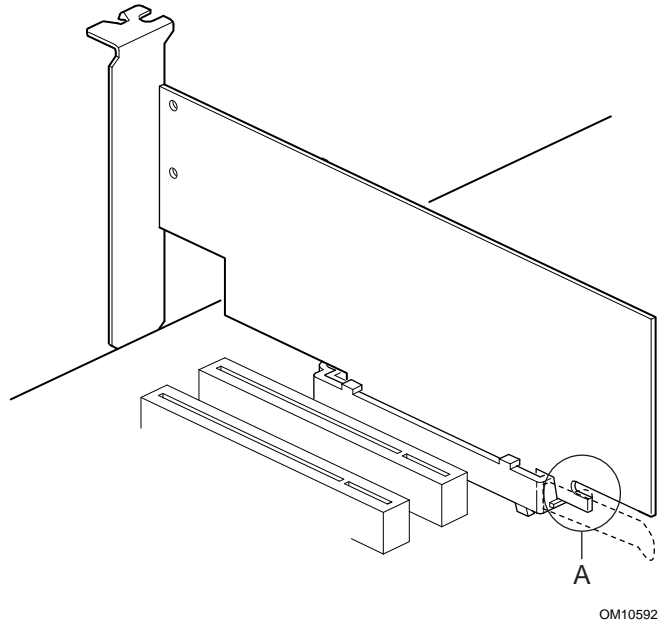
### 注意

只有在使用带固定槽口 (A) (如下图所示) 的 AGP 视频卡时, 才需要安装 AGP 固定架 (RM)。无槽口的卡若使用 AGP 固定架可能会损害视频卡的正常性能。有关拆卸 AGP 固定架的指导, 请参阅 Intel Express Installer (快速安装程序) 光盘上的《Intel 桌面主板 D850MD 和 D850MV 产品指南》。



### 注释

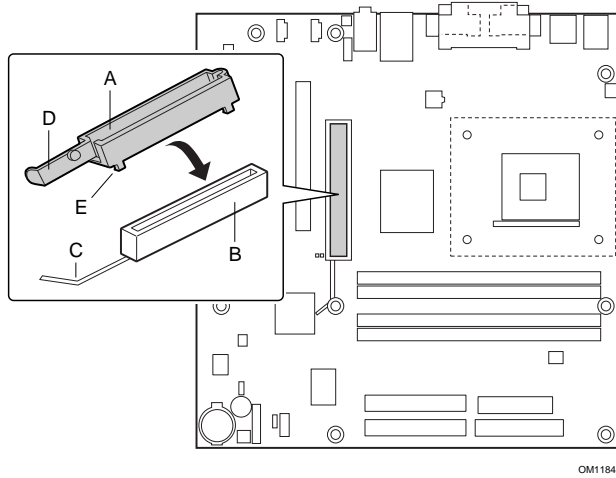
并非所有的 D850MD 和 D850MV 桌面主板都配备有 AGP 卡固定架。如果您的桌面主板包装盒中未包括 AGP 卡固定架, 请直接参阅第 18 页“安装 AGP 卡”一节的说明。



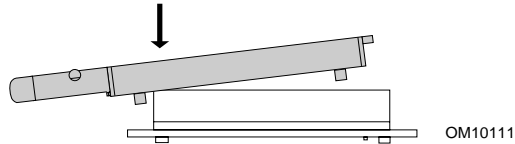
固定架包围在桌面母板上 AGP 卡插槽的周围, 从而使安装到位的卡增加稳定性。将主板放置在一个平坦而且有稳固支持的平面上 (元件面向上)。

按照以下步骤将 AGP 固定架 (RM) (A) 连接到 AGP 连接器 (B) 上:

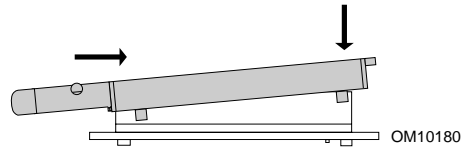
- 1 如下图所示, 在桌面母板上找到 AGP 连接器的位置。请注意, 桌面母板上的丝网印刷线 (C) 表示固定架上控制杆 (D) 的最终位置。



- 2 如下图所示, 将 AGP 固定架 (RM) 放在 AGP 连接器上。



- 3 沿箭头方向推压 AGP 固定架的控制杆末端, 直到最后边的两个小突出点 (E) 卡入 AGP 连接器的末端。



- 4 将 AGP 固定架活动的一端对准 AGP 连接器的另一端, 并沿 AGP 固定架两端均匀地向下推压, 直到四个小突出点全部卡入 AGP 连接器之下。不可用力过度, 以免损坏母板。



## 8 安装 AGP 卡



### 注释

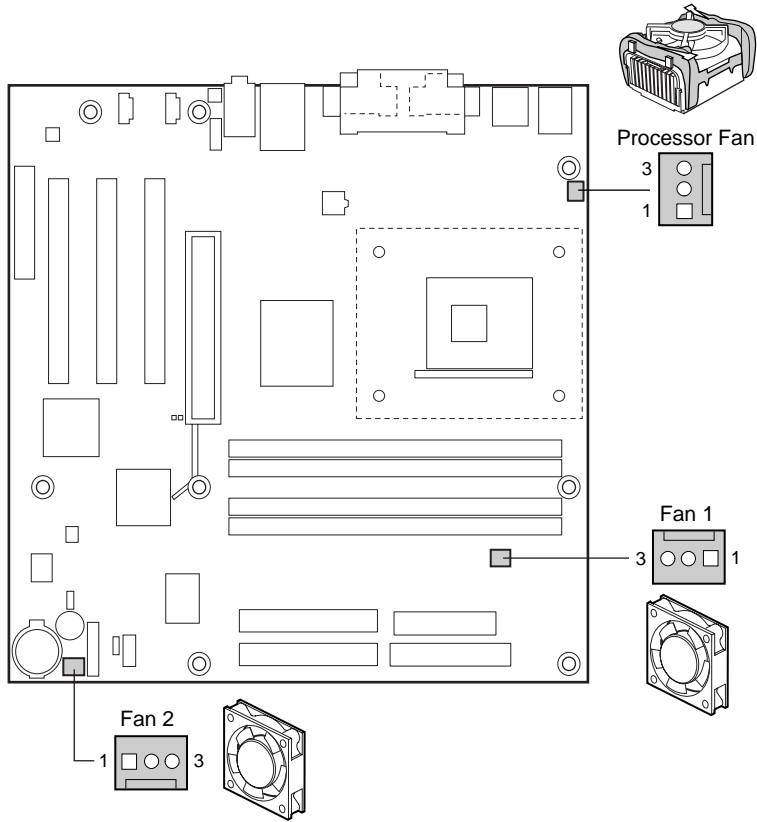
D850MD 和 D850MV 桌面主板只与 1.5 V AGP 卡兼容。

要安装带有固定槽口的 AGP 卡，请按以下步骤操作。

- 1 请遵守“开始之前”中说明的注意事项（参阅第 3 页）。
- 2 将 AGP 卡放入 AGP 连接器。
- 3 向下推压卡的边缘，直到它完全卡入连接器，使卡的固定槽口完全卡扣啮合于固定架的下方。
- 4 用螺丝将卡的金属支架固定到机箱的背面板上。

## 9 将风扇连接到 D850MD 母板上

下图显示了在 D850MD 母板上风扇连接器的位置。将处理器风扇散热器电缆连接到主板上的处理器风扇连接器上。将机箱风扇电缆连接到主板上的连接器上（如下图所示）。可通过 Intel® Active Monitor（活动监视器）软件，对处理器风扇和风扇 2 进行监视。

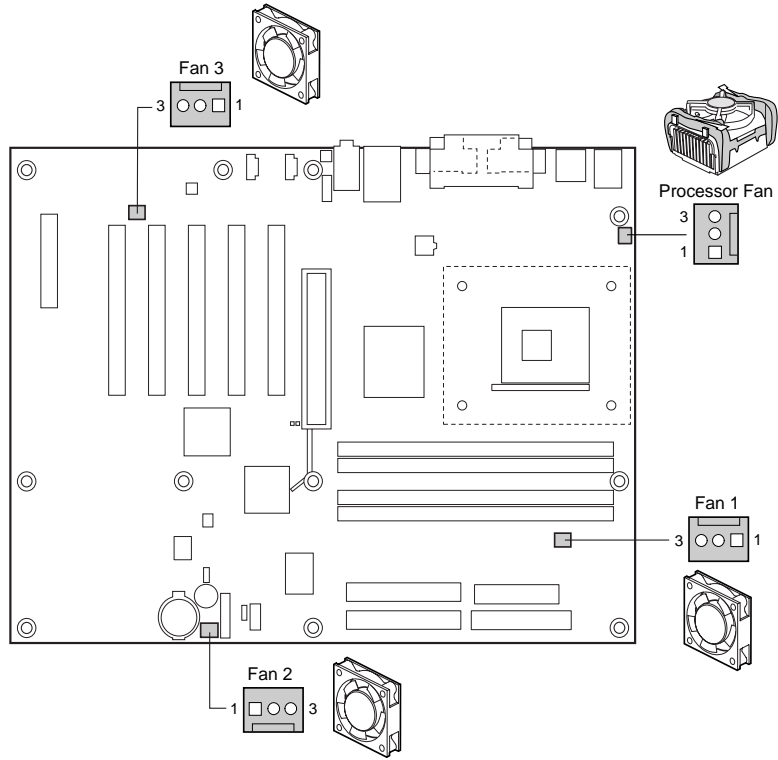


OM11844

D850MD 主板风扇连接器

## 10 将风扇连接到 D850MV 母板上

下图显示了在 D850MV 母板上风扇连接器的位置。将处理器风扇散热器电缆连接到主板上的处理器风扇连接器上。将机箱风扇电缆连接到主板上的连接器上（如下图所示）。可通过 Intel Active Monitor（活动监视器）软件，对处理器风扇和风扇 2 进行监视。



OM12075

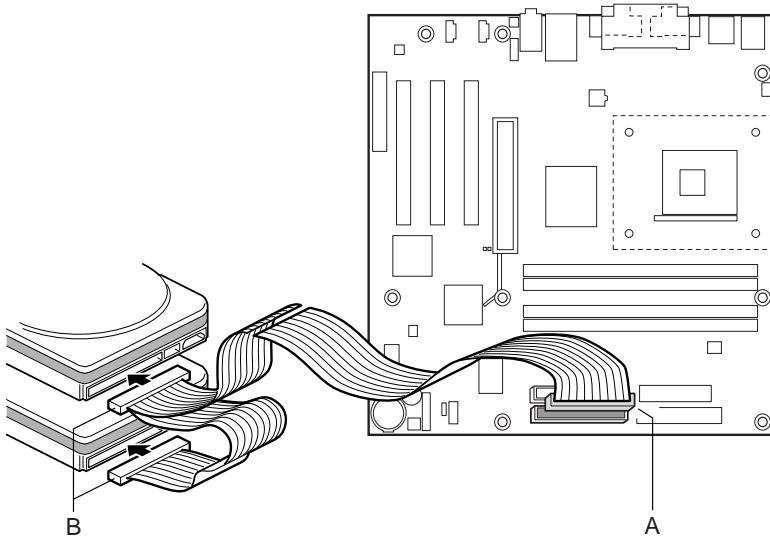
D850MV 主板风扇连接器

## 11 连接 IDE 电缆

Intel® 桌面母板的包装中包括两条 IDE 电缆。每条电缆可将两个驱动器连接到桌面母板上。40 触点电缆支持 Ultra DMA-33 传输协议；40 触点 80 芯电缆支持 ATA-66 和 ATA-100 传输协议，并兼容使用更慢速 IDE 传输协议的驱动器。

只有按下图所示的方向插接电缆，电缆才能正常工作。要使电缆发挥功能：

- 1 请遵守“开始之前”中说明的注意事项（参阅第 3 页）。
- 2 将电缆带有单连接器 (A) 的一端连接到桌面母板上。
- 3 将电缆带有相邻双连接器 (B) 的一端连接到驱动器上。



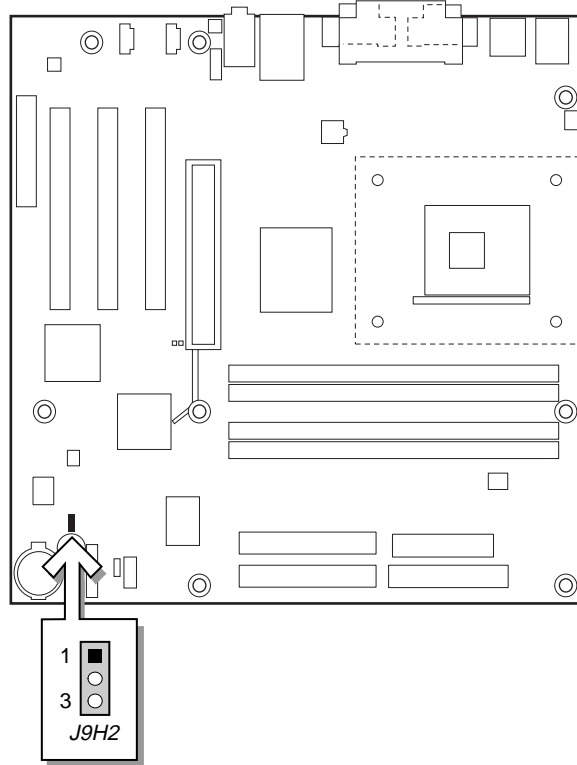
OM11835

## 设置 BIOS 配置跳线



注意




更改跳线之前，必须关闭计算机电源，并从计算机上拔下电源线。若在计算机处于通电状态下调整跳线，可能导致计算机运行不稳定。



OM11836

BIOS 配置跳线 (J9H2) 决定 BIOS Setup (设置) 程序的运行模式, 并可在更新 BIOS 失败时恢复原来的 BIOS 设置。下表列示了 BIOS Setup (设置) 程序不同配置的跳线设置。

BIOS Setup (设置) 程序配置跳线的设置

跳线位置	模式	描述
 1 3	正常 (默认)	BIOS 使用当前配置和口令来启动系统。
 1 3	配置	开机自检 (POST) 运行后, BIOS 显示 Maintenance (维护) 菜单。通过此菜单可清除口令。
 1 3	恢复	如果更新 BIOS 失败, BIOS 将从一张恢复软盘中恢复原来的 BIOS 设置数据。有关更新或恢复 BIOS 的指导, 请参阅 Intel Express Installer (快速安装程序) 光盘上的《Intel 桌面主板 D850MD 和 D850MV 产品指南》。

## BIOS Setup (设置) 程序默认设置

要禁用音频接口, 选择 Advanced Menu (高级菜单) 下的 Peripheral Configuration Submenu (外围设备配置子菜单), 然后将 Audio Device (音频设备) 设置为 “Disabled” (禁用)。

要禁用 LAN 接口, 选择 Advanced Menu (高级菜单) 下的 Peripheral Configuration Submenu (外围设备配置子菜单), 然后将 LAN Device (LAN 设备) 设置为 “Disabled” (禁用)。

要查阅 BIOS Setup 程序各项设置的完整列表, 请参阅《Intel 桌面主板 D850MD 和 D850MV 产品指南》, 或访问以下 Intel 万维网站点:

<http://support.intel.com/support/motherboards/desktop>

