## Motherboard troubleshooting

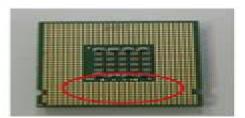
This guide provides some solutions to the problems you may encounter after assembling your PC. Try performing the suggested solutions before calling for technical support.

## Solutions to basic problems

Many booting failures are caused by negligence in following simple procedures such as connecting cables or installing computer peripherals like graphic cards, memory modules, CPU, or hearsink fan assembly. This section provides basic tips on how to avoid these problems.

#### Check connectors

- Make sure there is no foreign material on the goldfingers or pins.
  See pictures 1, 2, 3, 4, and 5.
- Wipe the surface of the goldfingers with clean cloth or eraser.
- Make sure the pins on the IDE, CPU and onboard connectors are not bent. See pictures 4 and 5.



Picture 3. Socket LGA 775



Picture 1. Goldfingers of a VGA card



Picture 2. Goldfingers of a DDR module



- If the damage to the pins occured due to customer handling, the retailer may charge you or refuse to repair the damaged components.
- Contact your retailer if any of the components are bent, damaged, or missing.

# **Motherboard Troubleshooting Guide E2437**

**Stephen J. Bigelow** 

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Repairing and Upgrading Your PC and troubleshooting The PC and Gadget Help Desk Edward Mark Soper, 2014 Robert Bruce Thompson, Barbara Fritchman Thompson, 2009-02-09 Most computer users think that fiddling with the insides of their PC is taboo They fear that by removing the screws that hold the case on they re crossing into forbidden territory And even for those who know they can open the box and fix or upgrade their PC analysis paralysis often stops them in their tracks Which upgrades offer the best bang for the buck How do you pinpoint the faulty component that s making your system freeze What about compatibility issues Get ready to get unstuck and get your PC running fast and running right Repairing and Upgrading Your PC delivers start to finish instructions simple enough for even the most inexperienced PC owner for troubleshooting repairing and upgrading your computer Written by hardware experts Robert Bruce Thompson and Barbara Fritchman Thompson this book covers it all how to troubleshoot a troublesome PC how to identify which components make sense for an upgrade and how to tear it all down and put it back together This book shows how to repair and upgrade all of your PC s essential components Motherboard CPU and Memory Choose the optimal match of these core components to keep your PC running at top speed Hard Drive Optical Drive and Removable Storage Give your computer what it needs for long term and short term storage Audio and Video Enhance your computing experience with the right sound and graphics devices for your needs Input Devices Pick the best keyboard and mouse to keep your hands happy and healthy Networking Set up secure wireless networking to keep the bits flowing between your computers and the outside world Cases and Power Supplies Keep everything running cool and reliably With its straightforward language clear instructions and extensive illustrations this book makes it a breeze for PC owners of any skill level to work on their computer Complete Guide; Including Motherboard Component Level Repair! Garry Romaneo, 2011-12-18 This book will educate you on the Correct Process of Repairing The Entire Laptop Including and concentrating more on Motherboard Repair Instruction Screen Repairing Component Level Diagnosing and Repairing This is the 3rd Book Released By Author Garry Romaneo The Worlds Leading Laptop Repair Technician Author and Consultant The book will take you through the laptops disassembly process Explaining in detail how to disassemble all laptops You will then be taught all about Liquid Spills to Laptops What to do What not to do How to Remove Liquid and How To Repair Any Damage from Liquid to parts or components You will be shown all the various tools to be used in laptop repair both hand tools and electronic tools explained This book will then explain the entire upper end repairing techniques Replacing screens how to then it will show you in great detail how to disassembly the screen and repair or replace the LCD ccfl Bulb the book will also discuss LED screens You will be taught step by step how to solder a motherboard whether it is the components or the dc jack The DC Jack Repair Desoldering instructions are included Most importantly this book will teach you laptop motherboard repairing techniques Learn to identify the parts and components on the motherboard learn component replacement motherboard testing techniques and more This book also includes the authors Patented Copyrighted and Trademarked Laptop Video Chip GPU Motherboard

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