



# **Intel® Desktop Board D955XBK Specification Update**

Release Date: June 2005

Order Number: D19886-002US

The Intel® Desktop Board D955XBK may contain design defects or errors known as errata, which may cause the product to deviate from published specifications. Current characterized errata are documented in this Specification Update.

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL® PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER, AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT. INTEL PRODUCTS ARE NOT INTENDED FOR USE IN MEDICAL, LIFE SAVING, LIFE SUSTAINING APPLICATIONS.

Intel may make changes to specifications and product descriptions at any time, without notice.

Designers must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined". Intel reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them.

The Intel® desktop board D955XBK 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 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  
P.O. Box 5937  
Denver, CO 80217-9808

or call in North America 1-800-548-4725, Europe 44-0-1793-431-155, France 44-0-1793-421-777,  
Germany 44-0-1793-421-333, other Countries 708-296-9333

Intel, Pentium, Celeron, and the Intel logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

\* Other names and brands may be claimed as the property of others.

Copyright © 2005 Intel Corporation.

# CONTENTS

REVISION HISTORY .....	v
PREFACE .....	vi
<b>Specification Update for the Intel® Desktop Board D955XBK</b>	
GENERAL INFORMATION.....	3
ERRATA .....	5





## REVISION HISTORY

Date of Revision	Version	Description
April 2005	-001	This document is the first Specification Update for the Intel® Desktop Board D955XBK.
June 2005	-002	Added board revisions to the General Information section. Added Erratum 1.

## PREFACE

This document is an update to the specifications contained in the *Intel® Desktop Board D955XBK Technical Product Specification* (Order number D14065). It is intended for hardware system manufacturers and software developers of applications, operating systems, or tools. It will contain Specification Changes, Errata, Specification Clarifications, and Documentation Changes.

Refer to the *Intel® Pentium® 4 Processor Specification Update* (Order number 249199) for specification updates concerning the Intel Pentium 4 processor and that may apply to the desktop board D955XBK. Unless otherwise noted in this document, it should be assumed that any processor errata for a given stepping are applicable to the Altered Assembly (AA) revision(s) associated with that stepping.

Refer to the *Intel® 955X Express Chipset Specification Update* (Order Number 306829) for specification updates concerning the 82955X MCH Controller and that may apply to the desktop board D955XBK. Unless otherwise noted in this document, it should be assumed that any MCH errata for a given stepping are applicable to the Altered Assembly (AA) revision(s) associated with that stepping.

Refer to the *Intel® IO Controller Hub 7 (ICH7) Family Specification Update* (Order Number 307014) for specification updates concerning the 82801GB I/O Controller Hub and that may apply to the desktop board D955XBK. Unless otherwise noted in this document, it should be assumed that any ICH7 errata for a given stepping are applicable to the Altered Assembly (AA) revision(s) associated with that stepping.

## Nomenclature

**Specification Changes** are modifications to the current published specifications. These changes will be incorporated in the next release of the specifications.

**Errata** are design defects or errors. Characterized errata may cause the desktop board D955XBK's behavior to deviate from published specifications. Hardware and software designed to be used with any given Altered Assembly (AA) and BIOS revision level must assume that all errata documented for that AA and BIOS revision level are present on all desktop boards.

**Specification Clarifications** describe a specification in greater detail or further highlight a specification's impact to a complex design situation. These clarifications will be incorporated in the next release of the specifications.

**Documentation Changes** include typos, errors, or omissions from the current published specifications. These changes will be incorporated in the next release of the specifications.

**Specification Update for the  
Intel® Desktop Board D955XBK**



## GENERAL INFORMATION

**Basic Desktop Board D955XBK Identification Information**

AA Revision	BIOS Revision	Notes
C96732-403	BK95510J.86A.1075	1-5
C96732-404	BK95510J.86A.1234	1-5
C96732-405	BK95510J.86A.1290	1-5
C96732-406	BK95510J.86A.1452	1-5
C96734-402	BK95510J.86A.1075	1-5

NOTES:

1. The AA number is found on a small label on the component side of the board.
2. The 82955XE Chipset kit used on this AA revision consists of two components as follows:

Device	Stepping	S-Spec Numbers
82955X MCH	A1	SL8FW
82801GR ICH7	A1	SL8FY

3. Refer to the *Intel® Pentium® 4 Processor Specification Update* (Order Number 249199) for errata related to the Pentium 4 processor and that may apply to the desktop board D955XBK.
4. Refer to the *Intel® 955X Express Chipset Specification Update* (Order Number 306829) for errata related to the 82955X MCH that may apply to the desktop board D955XBK.
5. Refer to the *Intel® IO Controller Hub 7 (ICH7) Family Specification Update* (Order Number 307014) for errata related to the 82801GB I/O Controller Hub that may apply to the desktop board D955XBK.

## Summary Table of Changes

The following table indicates the Specification Changes, Errata, Specification Clarifications, or Documentation Changes that apply to the Intel® Desktop Board D955XBK. Intel intends to fix some of the errata in a future revision of the desktop board, and to account for the other outstanding issues through documentation or specification changes as noted. This table uses the following notations:

### CODES USED IN SUMMARY TABLE

Doc:	Document change or update that will be implemented.
PlanFix:	This erratum may be fixed in a future revision of the desktop board, driver, or BIOS.
Fixed:	This erratum has been previously fixed.
NoFix:	There are no plans to fix this erratum.
Shaded:	This erratum is either new or modified from the previous version of the document.

NO.	PLANS	ERRATA
1	Plan Fix	IEEE-1394b Operation Limited to Maximum 400 Mb/s/sec

## ERRATA

### 1. *IEEE-1394b Operation Limited to Maximum 400Mbps/sec*

**Problem:** Production IEEE-1394b device driver is not yet available.

**Implication:** IEEE-1394a and IEEE-1394b devices will operate at a maximum 400 Mbps/sec using the driver included with Microsoft® XP Service Pack 2.

**Workaround:** None.

**Status:** This erratum may be fixed in a future device driver.