



Intel[®] Desktop Board D945GCLF2 Specification Update

July 2010

Order Number: E54886-006US

The Intel[®] Desktop Board D945GCLF2 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.

Revision History

Revision	Revision History	Date
-001	This document is the first Specification Update for the Intel® Desktop Board D945GCLF2	September 2008
-002	Updated the General Information Section	February 2009
-003	Updated the General Information Section	June 2009
-004	Update to the General Information Section	August 2009
-005	Update to the General Information Section	December 2009
-006	Update to the General Information Section	July 2010

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The Intel® Desktop Board D945GCLF2 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
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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

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Specification Update for the Intel® Desktop Board D945GCLF2

This document is an update to the specifications contained in the Intel® Desktop Board D945GCLF2 Technical Product Specification (Order Number E45013). 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® 945 Express Chipset Family Specification Update (Order Number: 307503) for specification updates concerning the 82945GC GMCH Controller and that may apply to the desktop board D945GCLF2. Unless otherwise noted in this document, it should be assumed that any North Bridge errata for a given stepping are applicable to the Altered Assembly (AA) revision(s) associated with that stepping.

Refer to the Intel® I/O Controller Hub7 (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 D945GCLF2. Unless otherwise noted in this document, it should be assumed that any South Bridge errata for a given stepping are applicable to the Altered Assembly (AA) revision(s) associated with that stepping.

Terminology

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 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.

General Information

Basic Desktop Board D945GCLF2 Identification Information

AA Revision	BIOS Revision	Notes
E46416-101	LF94510J.86A.0099	1,2
E46416-102	LF94510J.86A.0099	1,2
E46416-103	LF94510J.86A.0099	1,2
E46416-105	LF94510J.86A.0140	1,2
E46416-106	LF94510J.86A.0171	1,2
E46416-107	LF94510J.86A.0182	1,2
E46416-108	LF94510J.86A.0229	1,2
E46416-109	LF94510J.86A.0229	1,2
E46417-104	LF94510J.86A.0099	1,2
E46417-105	LF94510J.86A.0099	1,2
E46417-106	LF94510J.86A.0099	1,2
E46417-108	LF94510J.86A.0140	1,2
E46417-109	LF94510J.86A.0171	1,2
E46417-110	LF94510J.86A.0182	1,2
E46417-111	LF94510J.86A.0229	1,2
E46417-112	LF94510J.86A.0229	1,2
E46423-407	LF94510J.86A.0229	1,2
E59321-105	LF94510J.86A.0229	1,2
E59321-106	LF94510J.86A.0229	1,2
E59323-105	LF94510J.86A.0229	1,2
E59323-106	LF94510J.86A.0229	1,2

Notes:

1. The AA number is found on a small label on the component side of the board.
2. The 945 Chipset kit used on this AA revision consists of two components as follows:

Device	Stepping	S-Spec Numbers
82945GC	A2	SLB86
82801GB	A1	SL8FX

Summary of Changes

The following table indicates the Specification Changes, Errata, Specification Clarifications, or Documentation Changes that apply to the Intel® Desktop Board D945GCLF2. 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.

The following notations are used in the table:

Doc:	Document change or update that will be implemented.
Plan Fix:	This erratum may be fixed in a future revision of the desktop board, driver, or BIOS.
Fixed:	This erratum has been previously fixed.
No Fix:	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
		There are no characterized erratum for this product