

# Intel Desktop Boards and ErP Lot 6 Readiness

Updated 11/4/09



# Legal Disclaimer

- 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, or life sustaining applications.
- Intel may make changes to specifications and product descriptions at any time, without notice.
- All products, dates, and figures specified are preliminary based on current expectations, and are subject to change without notice.
- Intel, processors, chipsets, and 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.
- All dates provided are subject to change without notice.
- Intel, 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 © 2009, Intel Corporation



# Intel Desktop Board Lot 6 Readiness

## Key Messages

- Intel is committed to offering a wide range of products to support system-level ErP Lot 6 requirements for 2010.
- Intel has established a maximum 5Vsb current draw target in S5 off-mode of  $\leq .1$  Amp for its motherboards
  - ErP is a system level regulation and does not define requirements for motherboards
- This document lists existing board products which have been designed and/or updated to be ready for integration into ErP Lot 6 compliant systems
- All future products not listed in this document will be designed to be Lot 6 ready
- An ErP Lot6-ready power supply is needed to ensure the system will consume  $<1W$  in its off-mode

# How to Identify Board Revision

- The last 3 digits “-xxx” determines the board revision



# Intel Boards Ready For ErP Lot6

## Boards In Production

Product Code	Board Revision
D945GCLF*	- 500 or newer
D945GCLF2*	- 200 or newer
D945GSEJT	ALL
DG41KR	ALL
DG41MJ	ALL
DG41RQ	ALL
DG41TY	ALL
DG43GT	ALL
DB43LD	ALL

Product Code	Board Revision
DQ43AP	ALL
DQ45EK	ALL
DQ45CB*	- 300 or newer
DG45FC	ALL
DG45ID	ALL
DP55KG	ALL
DP55SB	ALL
DP55WG	ALL
DP55WB	ALL
DX58SO*	- 700 or newer

\*These boards meet the target after the executed ECOs, starting with the revision numbers listed.



# Boards to Transition

The boards listed below do not meet the  $\leq .1$  A target and will require a power supply with a very efficient 5Vsb rail. We recommend the following board transition plan to a solution that will meet the ErP Lot 6 target.

DP45SG	➔	DP55WG
DG43NB	➔	DH55HC
DG31PR	➔	DG41TY
DP43TF	➔	DP43BF

# Disclaimer

Although Intel has designed its motherboards to meet the 5Vsb guidelines, the system builder must test their designs individually to ensure their unique combination of components meets the 1W requirement at the system level.



# Reference Links

Overview of ErP regulation & Intel's 1W Enabling Strategy

- [www.intel.com/go/ErP](http://www.intel.com/go/ErP)

Intel-branded and 3<sup>rd</sup> Party Motherboard Lists

- [www.intel.com/go/motherboards](http://www.intel.com/go/motherboards)

Intel-tested Power Supply List

- [www.intel.com/go/powersupplies](http://www.intel.com/go/powersupplies)