Product Change Notification Number: SC044001　　　　　**Date:** September 29, 2004

Title: 32Mbit DataFlash Die Shrink

Product Identification: AT45DB321B -- All Packages

Reason for Change:
☒ **Design**　　☒ **Processing**　　☐ Logistics
☐ Manufacturing Location　　☐ Quality/Reliability　　☐ Material

Change Description:
Atmel 32Mbit DataFlash has undergone a shrink from the current 0.25μm process to the 0.18μm process. The maximum operating frequency has been increased from 20MHz to 40MHz, and new features have been added.

Identification Method to Distinguish Change:
The part number has been changed to AT45DB321C-xx. The topside marking includes the part number change from "B" to "C".

EOL Part Number	Replacement Part Number	Other Package Options
AT45DB321B-CC	AT45DB321C-CC	AT45DB321C-CNC
AT45DB321B-CI	AT45DB321C-CI	AT45DB321C-CNU
AT45DB321B-TC	AT45DB321C-TC	
AT45DB321B-TI	AT45DB321C-TI	
AT45DB321B-RC	AT45DB321C-RC	
AT45DB321B-RI	AT45DB321C-RI	
AT45DCB004	AT45DCB004C	

CNC= 8-pad CASON Commercial temperature.
CNU= 8-pad CASON Industrial temperature (Pb/Halide-free).

Qualification Data:　☒ **available**　　☐ will be available in WW____
Samples:　☒ **available**　　☐ will be available in WW____　　☐ not applicable

Quantifiable Impact on Quality & Reliability:
None

Estimated Implementation Date*:
Production Date:　　December 1, 2004
Last Time Buy Date:　　March 1, 2005
Last Delivery Date:　　September 1, 2005

Please note that all last time buy orders are non-cancellable and non-returnable.

*The Estimated Implementation Date is the forecasted date that a customer may expect to receive changed product. This is determined by the estimated date of inventory depletion on the PCN issue date. This may be affected by fluctuations in supply and demand. Consequently, although customers should be prepared to receive changed product on this date, Atmel will continue to ship pre-changed product until a time in which inventory has been depleted. This may result in pre-changed product being shipped to customers after this forecasted date.

Atmel Contact:　　pcnadm@atmel.com

Atmel will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice. All correspondence must be sent to the Quality Contact e-mail address listed above.