



# Simtek Corporation

## Product Change Notification [PCN]

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PCN # **10033** **00** PCN Status **Final**

PCN Date **January 16, 2006** PCN Type **Product Change**

PCN Title **Datasheet Changes, STK14CA8 3V 1M nvSRAM. New datasheet version ML0022 rev 1.3 posted.**

**PCN Detail**  
The following datasheet specification changes have been made affecting the STK14CA8 3V 1M nvSRAM group of products:

1. t[recall] is changed from 60us to 50us. This is a correction of a typo error in the previous version of the datasheet.
2. t[ss], previously undefined, is specified at 70us.
3. DATA[r], the guaranteed data retention period, is changed from 100 years at unspecified temperature to 20 years at maximum operating temperature.

**Background Reason for Change Issue Addressed**  
t[ss] is the time required between soft sequence commands. This was not previously specified.  
DATA[r] specification is now linked directly to the maximum operating temperature, since data retention performance is directly linked to operating temperature. Detail of retention performance at other temperatures within the operating temperature range is available on request.

**Product[s] Affected**  
STK14CA8 3V 1M nvSRAM, all package types, speed grades, commercial and industrial temperature ranges.

**Additional Information Respond By**  
Further information is available through normal Simtek sales channels and from Simtek Applications Engineering at [appseng@simtek.com](mailto:appseng@simtek.com)

Samples Available From **01/16/06**

Target Product Availability Date **February 2006**

Confirmed Availability Date/Datecode **0608**

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