



Simtek Corporation

Product Change Notification [PCN]

Home page: <http://www.simtek.com>
E-mail: information@simtek.com

4250 Buckingham Drive, Suite 100
Colorado Springs CO 80907 USA
719-531-9444 fax 719-531-9481

PCN # **10035** **00** PCN Status **Final**

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

PCN Title **Datasheet Changes, STK17T88 3V Event Data Recorder. New datasheet version ML0024 rev 1.4 posted.**

PCN Detail
The following datasheet specification changes have been made affecting the STK17T88 3V Event Data Recorder group of products:

1. t[recall] is changed from 60us to 100us.
2. t[ss], previously undefined, is specified at 70us.
3. NV[c], the guaranteed number of store cycle operations, is changed from 1M cycles to 500K cycles.
4. DATA[r], the guaranteed data retention period, is changed from 100 years at unspecified temperature to 20 years at maximum operating temperature.
5. The 35ns speed grade of this product is discontinued.

Background Reason for Change Issue Addressed

1. t[recall] is a non-critical parameter. This change allows for improved manufacturability.
2. t[ss] is the time required between soft sequence commands. This was not previously specified.
3. NV[c] is specified at 500K full array store operations. This specification is the maximum required by the large majority of nvSRAM users. Detail of 1M cycle performance is available on request from Simtek.
4. 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
STK17T88 3V Event Data Recorder, 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

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

Target Product Availability Date **February 2006**

Confirmed Availability Date/Datecode **0608**

Brian Stephens
For Simtek Corporation