



Simtek Corporation

Product Change Notification [PCN]

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PCN # **10026** **00** PCN Status **Final**

PCN Date **September 27, 2005** PCN Type **Product Information**

PCN Title **STK17T88 256K RTC - Product and Datasheet Changes**

PCN Detail
The Simtek 256K Monolithic RTC STK17T88 will be shipped between now [datecode XXXX] and the end of Q1 2006 using the 1M RTC die from the STK17TA8 device. Address pins 15 and 16 from the 1M device are tied high.

Background Reason for Change Issue Addressed
This temporary change to the STK17T88 product is being made to take advantage of the improvements in the STK17TA8 revision B product [see Simtek PCN 10025]. Datasheet changes affecting the STK17T88 device as a result of this change are listed on page 2 of this PCN.

Product[s] Affected
STK17T88 256K RTC in the 48 lead 300 mil SSOP package, all speed grades at Commercial and Industrial temperature range. This product will be identified as revision "G", which will be included in line one of the topside package mark.

Additional Information Respond By
For more information please contact your Simtek representative or the Simtek Sales organization at salesinquiry@simtek.com.

Samples Available From **05 October 2005**

Target Product Availability Date **05 October 2005**

Confirmed Availability Date/Datecode **0538**

Brian Stephens
For Simtek Corporation



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Additional PCN Information [continued from Page 1]

Datasheet Changes

Datasheet changes for the revision B device are implemented in datasheet # ML0025, rev 1.2, as follows:

- * ICC3 from 5mA to 10mA
- * ISB from 2mA to 3mA
- * Soft recall time from 40uS to 50uS.
- * Store Time from 12.5mS to 15mS [Industrial Grade only]
- * 500K Store Cycle Endurance
- * t(OSCS) from 1min to 10sec @ min temp
- * t(OSCS) from 10sec to 5sec @ 25C from power-up
- * C1 from 2.2pF to 0pF [RTC output cap]
- * C2 from 47pF to 56pF [RTC input cap]
- * The 40 pin PDIP package offering [package type "W"] has been removed from the datasheet.