



# Simtek Corporation

## Product Change Notification [PCN]

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PCN # **10028** PCN Status **Final**

PCN Date **October 04, 2005** PCN Type **Product Information**

PCN Title **Foundry Line Change for STK14C88 256K 5V nvSRAM in Ceramic Packaging**

**PCN Detail**  
Wafer production of the STK14C88 256K 5V nvSRAM has moved from the Chartered Semiconductor Manufacturing [CSM] Fab 1 0.8 micron line to the CSM Fab 2 0.8 micron line. With the exception of a number of equipment changes, the process is identical. No design changes have been made. The qualification of Simtek commercial products was completed in November 2004, and the qualification data is available on the Simtek website.

**Background Reason for Change/ Issue Addressed**  
The move in wafer production is a result of CSM's decision to close the Fab 1 facility. The products affected by this PCN are built using EPI substrate to support -55C to +125C operation. The lead material for these products out of CSM Fab 2 is now in qualification. Lifetest data and a characterization report comparing the Fab 1 to the Fab 2 product over the data sheet specifications will be published before the end of October 2005. Product samples are now available on request through normal Simtek sales channels.

**Product[s] Affected**  
STK14C88-LE, STK14C88-LM, STK14C88-CE, STK14C88-CM.  
Products with the "M" flow ID are screened to the Mil-Std-883 M5004 requirement but are non-compliant. Products with the "E" flow ID are screened to a modified commercial test flow over the military temperature range.

**Additional Information Respond By**  
For more information please contact your Simtek representative or the Simtek Sales organization at [salesinquiry@simtek.com](mailto:salesinquiry@simtek.com).

Samples Available From **05 October 2005**

Target Product Availability Date **01 November 2005.**

Confirmed Availability Date/Datecode **TBD**

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