



PCN / EOL Notification

Product Change Notification Number: CC115101

Notification Date*: January 17, 2012

Title: Package Assembly Location and Lead-Free Material Changes for CryptoMemory AT88SCxxyyC-SU / AT88SCxxxxyCA-SU Family Products

Product Identification:

CryptoMemory Family of Catalog Part Numbers AT88SCxxyyC-SU (1K, 2K, 4K, 8K & 16Kbits) / AT88SCxxxxyCA-SU (1K, 2K, 4K, & 8Kbits):

Current Part Number	Replacement Part Number
AT88SC0104C-SU	AT88SC0104C-SH
AT88SC0204C-SU	AT88SC0204C-SH
AT88SC0404C-SU	AT88SC0404C-SH
AT88SC0808C-SU	AT88SC0808C-SH
AT88SC1616C-SU	AT88SC1616C-SH
AT88SC0104CA-SU	AT88SC0104CA-SH
AT88SC0204CA-SU	AT88SC0204CA-SH
AT88SC0404CA-SU	AT88SC0404CA-SH
AT88SC0808CA-SU	AT88SC0808CA-SH

Reason for Change:

Material / Composition
 Design / Firmware
 Manufacturing Location
 Processing / Manufacturing
 Logistics
 Quality / Reliability

Change Description:

To accommodate the growing movement toward Pb-Free products, Atmel CryptoMemory AT88SCxxyyC-SU / AT88SCxxxxyCA-SU 8-lead SOIC Packages will only be available in Pb-Free (Green)/Halogen-Free/NiPdAu plating. In addition, Atmel will be transferring the assembly of these devices from Amkor, Philippines to ASE Shanghai, China.

	Location	Material Set
Change From:	Amkor, Philippines	Matte Sn Leadframe 1.0 mil Au wire Die Attach: AB8290 Mold Compound: SU EME-G600
Change To:	ASE Shanghai, China	NiPdAu Leadframe 0.8 mil Au wire Die Attach: Hitachi EN-4900GC Mold Compound: SU EME-G700LY

Marking for the new AT88SCxxyyC-SH / AT88SCxxxxyCA-SH part numbers will also be changed to remove the Atmel Lot Number from the bottom side of the SOIC Package. A Trace Code will be added to the top side for Date Code and Atmel Lot Number tracking purposes.

Identification Method to Distinguish Change:

New replacement part numbers have been created as identified in Attachment A.

Qualification Data:	<input checked="" type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input type="checkbox"/> Not Applicable
Samples:	<input checked="" type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input type="checkbox"/> Not Applicable

Quantifiable Impact on Quality & Reliability:

The new devices are a form, fit and function equivalent of the current devices, which meet all datasheet specifications.

Forecasted Availability Date: Approximately 6 weeks from Purchase Order placement

Last Time Buy Date: July 20, 2012

Last Ship Date: January 18, 2013

**All orders placed after the notification date are non-cancellable and non-returnable (NCNR).*

Atmel Contact: pcnadm@atmel.com

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