



PCN / EOL Notification

Product Change Notification Number: NC084901

Date*: December 17, 2008

Title: C51 0.5μ ROMless/ROM/OTP EOL

Product Identification:

AT80C31X2	AT80C54X2	AT87C54X2
AT80C32X2	AT80C58X2	AT87C58X2
AT80C51RA2/ID2	AT83C51RB2	AT87C51RB2
AT80C52X2	AT83C51RC2	AT87C51RC2
TS80C52X2 (Wafer/Die)	AT87C52X2	AT87C51RD2

See Attachment A for complete listing of affected part numbers.

This table is based on the billings since January 2007 and is non-exhaustive. Its intention is to give an overview of the replacement possibilities. For any other part number that is not mentioned here but is part of the product family stated in "Product Identification", please contact marketing.

Reason for Change:

☐ Design

☐ Manufacturing Location

☒ Processing

☐ Quality/Reliability

☐ Logistics

☐ Material

Change Description:

All C51 devices in 0.5μ will be made obsolete.

Possible replacements can be achieved as per the table below. Each customer must qualify and validate the suggested replacement device on each application.

[URL link to FAQ detailing the differences:](#)

<http://support.atmel.no/bin/customer?=&action=viewKbEntry&id=696>

ROM or pre-programmed OTP(*): Replacement can be achieved for packaged parts with ATMEL AT89C51RB2/RC2 Flash devices and programming services by customers themselves or through third parties (distributors, programming houses, etc.) after individual customer validation.

As of today, no *new* ROM code is accepted.

For high volume ROM customers (> 100KP p. a., MOQ per line item 35KP) a dedicated offer is available. Contact marketing.

Identification Method to Distinguish Change:

New part number. See Attachment A

Qualification Data:

☒ available

☐ will be available in WW__

☐ not applicable

Samples:

☒ available

☐ will be available in WW__

☐ not applicable

Quantifiable Impact on Quality & Reliability:

None

Forecasted Availability Date: Now
Last Time Buy Date: June 30, 2009
Last Ship Date: December 30, 2009

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

Atmel Contact: pcnadm@atmel.com

Atmel will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice. All correspondence must be sent to the Atmel Contact e-mail address listed above.

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Attachment A

Affected Part Numbers ROMless	Suggested Replacement ROMless
AT80C31X2-3CSUM	AT80C51RD2-3CSUM
AT80C31X2-3CSUL	AT80C51RD2-3CSUM
AT80C31X2-RLTUM	AT80C51RD2-RLTUM
AT80C31X2-SLRUM	AT80C51RD2-SLRUM
AT80C31X2-SLRUL	AT80C51RD2-SLRUM
AT80C31X2-SLSUM	AT80C51RD2-SLSUM
AT80C31X2-SLSUL	AT80C51RD2-SLSUM
AT80C32X2-3CSUM	AT80C51RD2-3CSUM
AT80C32X2-3CSUL	AT80C51RD2-3CSUM
AT80C32X2-RLRUM	AT80C51RD2-RLRUM
AT80C32X2-RLRUL	AT80C51RD2-RLRUM
AT80C32X2-RLTUM	AT80C51RD2-RLTUM
AT80C32X2-RLTUL	AT80C51RD2-RLTUM
AT80C32X2-SLRUM	AT80C51RD2-SLRUM
AT80C32X2-SLRUL	AT80C51RD2-SLRUM
AT80C32X2-SLRUV	No replacement of V version
AT80C32X2-SLSUM	AT80C51RD2-SLSUM
AT80C32X2-SLSUL	AT80C51RD2-SLSUM
AT80C32X2-SLSUV	No replacement of V version
AT80C51RA2-3CSUL	AT80C51RD2-3CSUM
AT80C51RA2-3CSUM	AT80C51RD2-3CSUM
AT80C51RA2-RLRUL	AT80C51RD2-RLRUM
AT80C51RA2-RLTUL	AT80C51RD2-RLTUM
AT80C51RA2-RLTUM	AT80C51RD2-RLTUM
AT80C51RA2-SLRUL	AT80C51RD2-SLRUM
AT80C51RA2-SLRUM	AT80C51RD2-SLRUM
AT80C51RA2-SLSUL	AT80C51RD2-SLSUM
AT80C51RA2-SLSUM	AT80C51RD2-SLSUM

Datasheet for AT80C51RD2 (to be updated): http://www.atmel.com/dyn/resources/prod_documents/doc4113.pdf

Affected Part Numbers ROM	Suggested Replacement Flash (excl. programming)
AT80C52X2BIE-SLRUM	AT89C51RB2-SLRUM
AT80C52X2BXV-3CSUM	AT89C51RB2-3CSUM
AT80C52X2CUP-RLTUM	AT89C51RB2-RLTUM
AT80C52X2CXJ-SLRUM	AT89C51RB2-SLRUM
AT80C52X2DBR-SLSUM	AT89C51RB2-SLSUM
AT80C52X2DDF-3CSUM	AT89C51RB2-3CSUM
AT80C52X2DDF-SLSUM	AT89C51RB2-SLSUM
AT80C52X2DGB-SLRZM	No replacement of automotive version in Flash
AT80C52X2DGH-SLRZM	No replacement of automotive version in Flash
AT80C52X2DGX-SLRUM	AT89C51RB2-SLRUM
AT80C52X2DKB-SLRUL	AT89C51RB2-SLRUM
AT80C52X2DMD-SLRUM	AT89C51RB2-SLRUM
AT80C52X2DOB-SLSUM	AT89C51RB2-SLSUM
AT80C52X2DOD-SLRUM	AT89C51RB2-SLRUM
AT80C52X2DOI-3CSUL	AT89C51RB2-3CSUM
AT80C52X2DTN-SLRUL	AT89C51RB2-SLRUM
AT80C52X2DTN-SLSUL	AT89C51RB2-SLSUM
AT80C52X2DVN-SLRUM	AT89C51RB2-SLRUM
AT80C52X2DVQ-SLRUM	AT89C51RB2-SLRUM
AT80C52X2DWH-SLSUM	AT89C51RB2-SLSUM
AT80C52X2DYE-SLSUM	AT89C51RB2-SLSUM
AT80C52X2DYF-RLTUM	AT89C51RB2-RLTUM
AT80C54X2BNY-RLTUM	AT89C51RB2-RLTUM
AT80C54X2DQN-3CSUM	AT89C51RB2-3CSUM
AT80C54X2DVP-SLRUM	AT89C51RB2-SLRUM
AT80C54X2DZE-RLTUM	AT89C51RB2-RLTUM
AT83C51RB2DIQ-RLRZM	No replacement of automotive version in Flash
AT83C51RB2DIQ-RLTZM	No replacement of automotive version in Flash
AT83C51RB2DJE-SLRUM	AT89C51RB2-SLRUM
AT83C51RB2DJE-SLSUM	AT89C51RB2-SLSUM
AT83C51RB2DMZ-RLRUM	AT89C51RB2-RLRUM

[Datasheet for AT89C51RB2/RC2: http://www.atmel.com/dyn/resources/prod_documents/doc4180.pdf](http://www.atmel.com/dyn/resources/prod_documents/doc4180.pdf)

Affected Part Numbers OTP	Suggested Replacement Flash (excl. programming)
AT87C51RB2-3CSUL	AT89C51RB2-3CSUM
AT87C51RB2-3CSUM	AT89C51RB2-3CSUM
AT87C51RB2-RLTUL	AT89C51RB2-RLTUM
AT87C51RB2-RLTUM	AT89C51RB2-RLTUM
AT87C51RB2-SLRUM	AT89C51RB2-SLRUM
AT87C51RB2-SLSUL	AT89C51RB2-SLSUM
AT87C51RB2-SLSUM	AT89C51RB2-SLSUM
AT87C51RC2-3CSUM	AT89C51RC2-3CSUM
AT87C51RC2-RLTUM	AT89C51RC2-RLTUM
AT87C51RC2-SLSUM	AT89C51RC2-SLSUM
AT87C51RD2-3CSUL	No replacement for PDIL
AT87C51RD2-3CSUM	No replacement for PDIL
AT87C51RD2-SLSUL	AT89C51RD2-SLSUM
AT87C51RD2-SLSUM	AT89C51RD2-SLSUM
AT87C52X2-3CSUM	AT89C51RB2-3CSUM
AT87C52X2-RLTUL	AT89C51RB2-RLTUM
AT87C52X2-RLTUM	AT89C51RB2-RLTUM
AT87C52X2-SLRUL	AT89C51RB2-SLRUM
AT87C52X2-SLRUM	AT89C51RB2-SLRUM
AT87C52X2-SLSUL	AT89C51RB2-SLSUM
AT87C52X2-SLSUM	AT89C51RB2-SLSUM
AT87C52X2-SLSUV	no replacement for V version
AT87C52X2CGF-SLSUM*	AT89C51RB2-SLSUM
AT87C52X2CRP-SLSUM*	AT89C51RB2-SLSUM
AT87C52X2DIK-3CSUM*	AT89C51RB2-3CSUM
AT87C52X2DNH-SLSUM*	AT89C51RB2-SLSUM
AT87C52X2DRG-SLSUM*	AT89C51RB2-SLSUM
AT87C52X2DSA-SLSUM*	AT89C51RB2-SLSUM
AT87C52X2S278-RLTUM*	No replacement for S278
AT87C52X2WOK-RLRUM*	AT89C51RB2-RLRUM

Affected Part Numbers OTP	Suggested Replacement Flash (excl. programming)
AT87C54X2-3CSUM	AT89C51RB2-3CSUM
AT87C54X2-RLTUL	AT89C51RB2-RLTUM
AT87C54X2-RLTUM	AT89C51RB2-RLTUM
AT87C54X2-SLRUM	AT89C51RB2-SLRUM
AT87C54X2-SLSUL	AT89C51RB2-SLSUM
AT87C54X2-SLSUM	AT89C51RB2-SLSUM
AT87C54X2DIW-SLRUM*	AT89C51RB2-SLRUM
AT87C54X2DJZ-3CSUM*	AT89C51RB2-3CSUM
AT87C54X2WHW-SLSUM*	AT89C51RB2-SLSUM
AT87C58X2-3CSUL	AT89C51RC2-3CSUM
AT87C58X2-3CSUM	AT89C51RC2-3CSUM
AT87C58X2-RLTUL	AT89C51RC2-RLTUM
AT87C58X2-RLTUM	AT89C51RC2-RLTUM
AT87C58X2-SLSUL	AT89C51RC2-SLSUM
AT87C58X2-SLSUM	AT89C51RC2-SLSUM
AT87C58X2DXG-SLRUM*	AT89C51RC2-SLRUM
AT87C58X2DZC-SLRUM*	AT89C51RC2-SLRUM

Datasheet for AT89C51RB2/RC2: http://www.atmel.com/dyn/resources/prod_documents/doc4180.pdf
 Datasheet for AT89C51RD2: http://www.atmel.com/dyn/resources/prod_documents/doc4235.pdf