

PCN Number: WC142202

Notification Date: June 6, 2014

Title: Adding Copper Bonding Wire Capability for Selected Microcontrollers

Product Identification:

Part number	Part number	Part number	Part number
AT89LP2052-20XU	ATMEGA32U4-AU	AT89C51IC2-RLTUM	AT80C51RD2-RLTUM
AT89LP4052-20XU	ATMEGA32U4-AUR	AT89C51IC2-RLTUL	AT89LP51RD2-20AAU
AT89LP213-20XU	ATMEGA32U4RC-AU	AT89C51IC2-RLRUL	AT89LP51ED2-20AAU
AT89LP214-20XU	ATMEGA32U4RC-AUR	AT89C51RB2-RLTUL	AT89LP51ID2-20AAU
AT89LP216-20XU	ATMEGA64M1-AU	AT89C51RB2-RLRUL	AT89LP51RB2-20AAU
ATTINY20-XU	ATMEGA8U2-AU	AT89C51RC2-RLTUL	AT89LP51RC2-20AAU
ATTINY20-XUR	ATMEGA8U2-AUR	AT89C51ED2-RLRUM	AT89LP51IC2-20AAU
ATTINY261A-XU	ATMEGA16U2-AU	AT89C51ED2-RLTUM	ATXMEGA128A1-AU
ATTINY261A-XUR	ATMEGA16U2-AUR	AT89C51ID2-RLTUM	ATXMEGA128A3-MH
ATTINY40-XU	ATMEGA32U2-AUR	AT89C51ID2-RLRUM	ATXMEGA128A3-MHR
ATTINY40-XUR	ATMEGA32U2-AU	AT89C51RD2-RLTUM	ATXMEGA16A4-AU
ATTINY45-20XU	AT90USB1287-AU	AT89C51RD2-RLRUM	ATXMEGA16A4-AUR
ATTINY45-20XUR	AT90USB1287-AUR	AT89C51ED2-RDTUM	ATXMEGA16A4-CU
ATTINY45V-10XU	AT90CAN32-16AU	AT89C51ED2-RDRUM	ATXMEGA16A4-MH
ATTINY45V-10XUR	AT90CAN32-16AUR	AT89C51RD2-RDTUM	ATXMEGA16A4-MHR
ATTINY461A-XU	AT90CAN64-16AU	AT89C51AC3-RLTUM	ATXMEGA192A3-AU
ATTINY461A-XUR	AT90CAN64-16AUR	AT89C51CC03CA-RLTUM	ATXMEGA256A3-AU
ATTINY861A-XU	AT90USB646-AU	AT89C51CC03UA-RLTUM	ATXMEGA256A3-AUR
ATTINY861A-XUR	AT90USB646-AUR	AT89C51AC3-RDTUM	ATXMEGA256A3-MH
ATTINY87-XU	AT90USB647-AU	AT89C51CC03CA-RDTUM	ATXMEGA256A3-MHR
ATTINY87-XUR	AT90USB647-AUR	AT89C51CC03UA-RDTUM	ATXMEGA32A4-AU
ATTINY167-XU	AT90CAN128-16AU	AT89C5130A-RDTUM	ATXMEGA32A4-AUR
ATTINY167-XUR	AT90CAN128-16AUR	AT89C5130A-RDRUM	ATXMEGA32A4-CU
AT42QT2120-XUR	AT90USB162-16AU	AT89C5131A-RDTUM	ATXMEGA32A4-MH
ATMEGA16M1-AU	AT90USB162-16AUR	AT89C5131A-RDTUL	ATXMEGA32A4-MHR
ATMEGA32M1-AU	AT89C5115-RATUM	AT89C51AC2-RLTUM	ATXMEGA64A1-AU
ATMEGA32M1-AUR	AT89C51CC02CA-RATUM	AT89C51CC01CA-RLTUM	ATXMEGA64A1-AUR
ATMEGA16U4-AUR	AT89C51CC02UA-RATUM	AT89C51CC01UA-RLRUM	ATXMEGA64A3-AU
ATMEGA16U4-AU	AT89C51RB2-RLTUM	AT89C51CC01UA-RLTUM	ATXMEGA64A3-MHR
	AT89C51RC2-RLTUM	AT89CC01UAEDS-RLRUM	
	AT89C51IC2-RLRUM	AT80C51RD2-RLRUM	

Reason for Change:	☒ Material / Composition	☐ Manufacturing Location
	☐ Processing / Manufacturing	☐ Quality / Reliability
	☐ Design / Firmware	☐ Logistics
	☐ Datasheet	☐ Other:

Change Description:

To increase manufacturing flexibility and ensure long-term continuity of supply, Atmel will manufacture devices listed above using both gold (Au) and copper bond (Cu) wires. Atmel reserves the right to ship devices with either gold or copper bond wires. The change does not impact reliability, soldering profiles or electrical characteristics. Qualification data is available upon request.

Copper samples can be ordered through Atmel Sample Centre by logging on to <https://samples.atmel.com/scripts/samplecenter.dll?atmel?cmd=menu>, lead time 4 to 8 weeks.

Specific ordering codes for copper samples only are shown in the table below, and are available for sample orders only until the proposed first shipment date. For all production orders, only standard existing ordering codes will be accepted.

Part number	Cu Sample Ordering Code	Part number	Cu Sample Ordering Code
AT89LP2052-20XU	AT89LP2052-20XUC	AT89C51RC2-RLTUL	AT89C51RC2-RLTULC
AT89LP4052-20XU	AT89LP4052-20XUC	AT89C51ED2-RLRUM	AT89C51ED2-RLRUMC
AT89LP213-20XU	AT89LP213-20XUC	AT89C51ID2-RLRUM	AT89C51ID2-RLRUMC
AT89LP214-20XU	AT89LP214-20XUC	AT89C51RD2-RLRUM	AT89C51RD2-RLRUMC
AT89LP216-20XU	AT89LP216-20XUC	AT89C51ED2-RDRUM	AT89C51ED2-RDRUMC
ATTINY20-XUR	ATTINY20-XURC	AT89C51RD2-RDTUM	AT89C51RD2-RDTUMC
ATTINY261A-XUR	ATTINY261A-XURC	AT89C51AC3-RLTUM	AT89C51AC3-RLTUMC
ATTINY40-XUR	ATTINY40-XURC	AT89C51CC03CA-RLTUM	AT89C51CC03CA-RLTUMC
ATTINY45-20XUR	ATTINY45-20XURC	AT89C51CC03UA-RLTUM	AT89C51CC03UA-RLTUMC
ATTINY45V-10XUR	ATTINY45V-10XURC	AT89C51AC3-RDTUM	AT89C51AC3-RDTUMC
ATTINY461A-XUR	ATTINY461A-XURC	AT89C51CC03CA-RDTUM	AT89C51CC03CA-RDTUMC
ATTINY861A-XUR	ATTINY861A-XURC	AT89C51CC03UA-RDTUM	AT89C51CC03UA-RDTUMC
ATTINY87-XUR	ATTINY87-XURC	AT89C5130A-RDRUM	AT89C5130A-RDRUMC
ATTINY167-XUR	ATTINY167-XURC	AT89C5131A-RDTUM	AT89C5131A-RDTUMC
AT42QT2120-XUR	AT42QT2120-XURC	AT89C5131A-RDTUL	AT89C5131A-RDTULC
ATMEGA16M1-AU	ATMEGA16M1-AUC	AT89C51AC2-RLTUM	AT89C51AC2-RLTUMC
ATMEGA32M1-AUR	ATMEGA32M1-AURC	AT89C51CC01CA-RLTUM	AT89C51CC01CA-RLTUMC
ATMEGA16U4-AUR	ATMEGA16U4-AURC	AT89C51CC01UA-RLRUM	AT89C51CC01UA-RLRUMC
ATMEGA32U4-AUR	ATMEGA32U4-AURC	AT89CC01UAEDS-RLRUM	AT89CC01UAEDS-RLRUMC
ATMEGA32U4RC-AUR	ATMEGA32U4RC-AURC	AT80C51RD2-RLRUM	AT80C51RD2-RLRUMC
ATMEGA64M1-AU	ATMEGA64M1-AUC	AT89LP51RD2-20AAU	AT89LP51RD2-20AAUC
ATMEGA8U2-AUR	ATMEGA8U2-AURC	AT89LP51ED2-20AAU	AT89LP51ED2-20AAUC

ATMEGA16U2-AUR	ATMEGA16U2-AURC	AT89LP51ID2-20AAU	AT89LP51ID2-20AAUC
ATMEGA32U2-AUR	ATMEGA32U2-AURC	AT89LP51RB2-20AAU	AT89LP51RB2-20AAUC
AT90USB1287-AUR	AT90USB1287-AURC	AT89LP51RC2-20AAU	AT89LP51RC2-20AAUC
AT90CAN32-16AUR	AT90CAN32-16AURC	AT89LP51IC2-20AAU	AT89LP51IC2-20AAUC
AT90CAN64-16AUR	AT90CAN64-16AURC	ATXMEGA128A1-AU	ATXMEGA128A1-AUC
AT90USB646-AUR	AT90USB646-AURC	ATXMEGA128A3-MHR	ATXMEGA128A3-MHRC
AT90USB647-AUR	AT90USB647-AURC	ATXMEGA16A4-AUR	ATXMEGA16A4-AURC
AT90CAN128-16AUR	AT90CAN128-16AURC	ATXMEGA16A4-CU	ATXMEGA16A4-CUC
AT90USB162-16AUR	AT90USB162-16AURC	ATXMEGA16A4-MHR	ATXMEGA16A4-MHRC
AT89C5115-RATUM	AT89C5115-RATUMC	ATXMEGA192A3-AU	ATXMEGA192A3-AUC
AT89C51CC02CA-RATUM	AT89C51CC02CA-RATUMC	ATXMEGA256A3-AUR	ATXMEGA256A3-AURC
AT89C51CC02UA-RATUM	AT89C51CC02UA-RATUMC	ATXMEGA256A3-MHR	ATXMEGA256A3-MHRC
AT89C51RB2-RLTUM	AT89C51RB2-RLTUMC	ATXMEGA32A4-AUR	ATXMEGA32A4-AURC
AT89C51IC2-RLRUM	AT89C51IC2-RLRUMC	ATXMEGA32A4-CU	ATXMEGA32A4-CUC
AT89C51IC2-RLRUL	AT89C51IC2-RLRULC	ATXMEGA32A4-MHR	ATXMEGA32A4-MHRC
AT89C51RB2-RLRUL	AT89C51RB2-RLRULC	ATXMEGA64A1-AUR	ATXMEGA64A1-AURC
		ATXMEGA64A3-MHR	ATXMEGA64A3-MHRC

Note that the **C** in sample ordering codes will not be marked on the package

Note2: For special part# please contact your Customer Service Rep

Identification Method to Distinguish Change:

Not applicable

Qualification Data:	☒ Available	☐ Will be available (mm/dd/yr):	☐ Not Applicable
Samples:	☒ Available upon request via Atmel Sample Center (www.atmel.com/samples) Lead time 4-8 weeks After Receipt of Order.	☐ Will be available (mm/dd/yr):	☐ Not Applicable

Quantifiable Impact on Quality & Reliability:

Not applicable

Proposed First Ship Date*: September 5, 2014

**The Proposed First Ship Date is the forecasted date that a customer may expect to receive changed product. This is determined by the estimated date of inventory depletion on the PCN issue date. This may be affected by fluctuations in supply and demand. Consequently, although customers should be prepared to receive changed product on this date, Atmel will continue to ship pre-changed product until a time in which inventory has been depleted. This may result in pre-changed product being shipped to customers after this forecasted date.*

Atmel Contact: Please contact your Atmel Sales Representative or Distributor for additional information (when replying via e-mail please include the PCN number in subject line).

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To be completed by customer:

☐ Approved

☐ Rejected (Please state reason for rejection):

Company:

Name:

Title:

Date:

Email

Address:

Location:

Comments: