

**PCN Number: WC150502**

**Notification Date:** January 30, 2015

**Title:** Adding Copper Bonding Wire Capability for Selected Microcontrollers

**Product Identification:**

Part number	Part number	Part number	Part number
ATMEGA16HVB-8X3	ATMEGA165P-16MU	ATMEGA649P-AUR	ATTINY24A-MM8
ATMEGA16HVB-8X3R	ATMEGA165P-16MUR	ATXMEGA128A1-AUR	ATTINY24A-MM8R
ATMEGA32HVB-8X3	ATMEGA165P-16MN	ATXMEGA128A3-AU	AT89S52-24AUR
ATMEGA32HVB-8X3R	ATMEGA165P-16MNR	ATXMEGA128A3-AUR	AT89LS52-16AUR
ATMEGA128A-AN	ATMEGA645P-AU	ATXMEGA16A4-CUR	AT42QT2640-AUR
ATMEGA128A-ANR	ATMEGA645P-AUR	ATXMEGA64A3-MH	QT5C07A-ISSG
ATMEGA324PA-CU	ATMEGA649P-AU	ATXMEGA64A3-AUR	QT411A-ISSG
ATMEGA324PA-CUR	AT90PWM316-16MU	AT90PWM316-16MUR	

**Reason for Change:**

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Material / Composition | <input type="checkbox"/> Manufacturing Location |
| <input type="checkbox"/> Processing / Manufacturing        | <input type="checkbox"/> Quality / Reliability  |
| <input type="checkbox"/> Design / Firmware                 | <input type="checkbox"/> Logistics              |
| <input type="checkbox"/> Datasheet                         | <input type="checkbox"/> 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
ATMEGA16HVB-8X3	ATMEGA16HVB-8X3RC	ATXMEGA128A1-AUR	ATXMEGA128A1-AURC
ATMEGA16HVB-8X3R	ATMEGA16HVB-8X3RC	ATXMEGA128A3-AU	ATXMEGA128A3-AURC
ATMEGA32HVB-8X3	ATMEGA32HVB-8X3RC	ATXMEGA128A3-AUR	ATXMEGA128A3-AURC
ATMEGA32HVB-8X3R	ATMEGA32HVB-8X3RC	ATXMEGA16A4-CUR	ATXMEGA16A4-CURC
ATMEGA128A-AN	ATMEGA128A-ANRC	ATXMEGA64A3-MH	ATXMEGA64A3-MHC
ATMEGA128A-ANR	ATMEGA128A-ANRC	ATXMEGA64A3-AUR	ATXMEGA64A3-AURC
ATMEGA324PA-CU	ATMEGA324PA-CURC	ATTINY24A-MM8	ATTINY24A-MM8RC
ATMEGA324PA-CUR	ATMEGA324PA-CURC	ATTINY24A-MM8R	ATTINY24A-MM8RC
ATMEGA165P-16MU	ATMEGA165P-16MURC	AT89S52-24AUR	AT89S52-24AURC
ATMEGA165P-16MUR	ATMEGA165P-16MURC	AT89LS52-16AUR	AT89LS52-16AURC
ATMEGA165P-16MN	ATMEGA165P-16MNR	AT42QT2640-AUR	Note2
ATMEGA165P-16MNR	ATMEGA165P-16MNR	QT5C07A-ISSG	Note2
ATMEGA645P-AU	ATMEGA645P-AURC	QT411A-ISSG	Note2
ATMEGA645P-AUR	ATMEGA645P-AURC	AT90PWM316-16MU	AT90PWM316-16MURC
ATMEGA649P-AU	ATMEGA649P-AURC	AT90PWM316-16MUR	AT90PWM316-16MURC
ATMEGA649P-AUR	ATMEGA649P-AURC		

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

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

**Identification Method to Distinguish Change:**

N/A

<b>Qualification Data:</b>	<input checked="" type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input type="checkbox"/> Not Applicable
<b>Samples:</b>	<input checked="" type="checkbox"/> Available upon request via ATMEL Sample Center ( <a href="http://www.atmel.com/samples">www.atmel.com/samples</a> ) Lead time 4-8 weeks after Receipt of Order	<input type="checkbox"/> Will be available (mm/dd/yr):	<input type="checkbox"/> Not Applicable

**Quantifiable Impact on Quality & Reliability:**

N/A

**Proposed First Ship Date\*:** April 30, 2015

*\*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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**CUSTOMER ACKNOWLEDGEMENT OF RECEIPT:** Atmel requests you acknowledge receipt of this PCN. Please complete and email to [pcnadm@atmel.com](mailto:pcnadm@atmel.com) and the Atmel Contact listed above. In your acknowledgement, you can grant approval or request additional information. **Atmel will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice.**

**To be completed by customer:**

Approved

Rejected (Please state reason for rejection): \_\_\_\_\_

Company:

Name:

Title:

Date:

Email

Address:

Location:

Comments: