



## Product Change Notification

PCN Number: WC143701

Notification Date: September 11, 2014

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

### Product Identification:

Part number	Part number	Part number	Part number
ATMEGA88PA-CCU	AT90PWM1-16SU	ATMEGA2561-16MUR	ATMEGA325A-MNR
ATMEGA88PA-CCUR	AT90PWM316-16SU	ATTINY43U-SUR	ATMEGA325A-MUR
ATTINY20-CCU	AT90PWM316-16SUR	ATTINY13V-10MMU	ATMEGA325PA-MUR
ATTINY20-CCUR	AT90PWM3B-16SU	ATTINY13V-10MMUR	ATMEGA325PV-10MUR
ATTINY24A-CCU	AT90PWM3B-16SUR	ATMEGA128-16ANR	ATMEGA325V-8MUR
ATTINY24A-CCUR	AT90PWM81-16SN	ATMEGA128L-8ANR	ATMEGA32A-AN
ATTINY44A-CCU	AT90PWM81-16SF	ATMEGA1281V-8MU	ATMEGA645A-MUR
ATTINY44A-CCUR	AT90PWM161-16SN	ATMEGA164A-MCHR	ATMEGA645V-8MU
ATTINY84A-CCU	AT90PWM161-16SNR	ATMEGA164PA-AN	ATMEGA649P-MUR
ATTINY84A-CCUR	ATTINY167-SU	ATMEGA169PV-8MCH	ATMEGA64A-AN
AT90PWM216-16SU	ATTINY167-SUR	ATMEGA3250PV-10AUR	ATMEGA644PA-AN
AT90PWM216-16SUR	ATTINY87-SU	ATMEGA325-16MUR	ATMEGA644PA-ANR
AT90PWM2B-16SU	ATTINY87-SUR	ATMEGA325A-AU	ATMEGA328-MU
AT90PWM2B-16SUR	ATMEGA2561-16MU		

### 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.

Atmel Norway • Vestre Rosten 79 7075 Tiller • NORWAY

Part number	Cu Sample Ordering Code	Part number	Cu Sample Ordering Code
ATMEGA88PA-CCU	ATMEGA88PA-CCURC	ATMEGA2561-16MU	ATMEGA2561-16MURC
ATMEGA88PA-CCUR	ATMEGA88PA-CCURC	ATMEGA2561-16MUR	ATMEGA2561-16MURC
ATTINY20-CCU	ATTINY20-CCURC	ATTINY43U-SUR	ATTINY43U-SURC
ATTINY20-CCUR	ATTINY20-CCURC	ATTINY13V-10MMU	ATTINY13V-10MMURC
ATTINY24A-CCU	ATTINY24A-CCURC	ATTINY13V-10MMUR	ATTINY13V-10MMURC
ATTINY24A-CCUR	ATTINY24A-CCURC	ATMEGA128-16ANR	ATMEGA128-16ANRC
ATTINY44A-CCU	ATTINY44A-CCURC	ATMEGA128L-8ANR	ATMEGA128L-8ANRC
ATTINY44A-CCUR	ATTINY44A-CCURC	ATMEGA1281V-8MU	ATMEGA1281V-8MUC
ATTINY84A-CCU	ATTINY84A-CCURC	ATMEGA164A-MCHR	ATMEGA164A-MCHRC
ATTINY84A-CCUR	ATTINY84A-CCURC	ATMEGA164PA-AN	ATMEGA164PA-ANC
AT90PWM216-16SU	AT90PWM216-16SURC	ATMEGA169PV-8MCH	ATMEGA169PV-8MCHC
AT90PWM216-16SUR	AT90PWM216-16SURC	ATMEGA3250PV-10AUR	ATMEGA3250PV-10AURC
AT90PWM2B-16SU	AT90PWM2B-16SURC	ATMEGA325-16MUR	ATMEGA325-16MURC
AT90PWM2B-16SUR	AT90PWM2B-16SURC	ATMEGA325A-AU	ATMEGA325A-AUC
AT90PWM1-16SU	AT90PWM1-16SUC	ATMEGA325A-MNR	ATMEGA325A-MNRC
AT90PWM316-16SU	AT90PWM316-16SURC	ATMEGA325A-MUR	ATMEGA325A-MURC
AT90PWM316-16SUR	AT90PWM316-16SURC	ATMEGA325PA-MUR	ATMEGA325PA-MURC
AT90PWM3B-16SU	AT90PWM3B-16SURC	ATMEGA325PV-10MUR	ATMEGA325PV-10MURC
AT90PWM3B-16SUR	AT90PWM3B-16SURC	ATMEGA325V-8MUR	ATMEGA325V-8MURC
AT90PWM81-16SN	AT90PWM81-16SNC	ATMEGA32A-AN	ATMEGA32A-ANC
AT90PWM81-16SF	AT90PWM81-16SFC	ATMEGA645A-MUR	ATMEGA645A-MURC
AT90PWM161-16SN	AT90PWM161-16SNRC	ATMEGA645V-8MU	ATMEGA645V-8MUC
AT90PWM161-16SNR	AT90PWM161-16SNRC	ATMEGA649P-MUR	ATMEGA649P-MURC
ATTINY167-SU	ATTINY167-SURC	ATMEGA64A-AN	ATMEGA64A-ANC
ATTINY167-SUR	ATTINY167-SURC	ATMEGA644PA-AN	ATMEGA644PA-ANRC
ATTINY87-SU	ATTINY87-SURC	ATMEGA644PA-ANR	ATMEGA644PA-ANRC
ATTINY87-SUR	ATTINY87-SURC	ATMEGA328-MU	ATMEGA328-MUC

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

<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:**

Not applicable

**Proposed First Ship Date\*:** December 05, 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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**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: