



Product Change Notification

PCN Number: WC124902

Notification Date*: January 31, 2013

Title: Adding Copper Bonding Wire Capability for Selected Microcontrollers

Product Identification:

Part number	Part number	Part number	Part number
AT42QT1481-AUR	AT42QT1481-AU	ATMEGA8535-16AUR	ATMEGA8535-16AU
ATMEGA1284P-AUR	ATMEGA1284P-AU	ATMEGA8535L-8AUR	ATMEGA8535L-8AU
ATMEGA162-16AUR	ATMEGA162-16AU	ATMEGA1284P-MUR	ATMEGA1284P-MU
ATMEGA162V-8AUR	ATMEGA162V-8AU	ATMEGA324PA-MUR	ATMEGA324PA-MU
ATMEGA164PA-AUR	ATMEGA164PA-AU	ATMEGA164PA-MUR	ATMEGA164PA-MU
ATMEGA164PV-10AUR	ATMEGA164PV-10AU	ATMEGA644PA-MUR	ATMEGA644PA-MU
ATMEGA16A-AUR	ATMEGA16A-AU	ATMEGA32A-MUR	ATMEGA32A-MU
ATMEGA16L-8AUR	ATMEGA16L-8AU	ATMEGA32L-8MUR	ATMEGA32L-8MU
ATMEGA324PA-AUR	ATMEGA324PA-AU	ATMEGA16A-MUR	ATMEGA16A-MU
ATMEGA324PV-10AUR	ATMEGA324PV-10AU	ATMEGA16L-8MUR	ATMEGA16L-8MU
ATMEGA32A-AUR	ATMEGA32A-AU	ATMEGA8515L-8MUR	ATMEGA8515L-8MU
ATMEGA32L-8AUR	ATMEGA32L-8AU	ATMEGA8535L-8MUR	ATMEGA8535L-8MU
ATMEGA644PA-AUR	ATMEGA644PA-AU	ATMEGA162-16MUR	ATMEGA162-16MU
ATMEGA644PV-10AUR	ATMEGA644PV-10AU	ATMEGA162V-8MUR	ATMEGA162V-8MU
ATMEGA8515-16AUR	ATMEGA8515-16AU	ATMEGA324PV-10MUR	ATMEGA324PV-10MU
ATMEGA8515L-8AUR	ATMEGA8515L-8AU	ATMEGA644PV-10MUR	ATMEGA644PV-10MU

Reason for Change:

- ☒ Material / Composition
☐ Processing / Manufacturing

- ☐ Design / Firmware
☐ Logistics

- ☐ Manufacturing Location
☐ Quality / Reliability

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 will be delivered in T&R only and can be ordered through Atmel Sample Centre by logging on to <https://samples.atmel.com/scripts/samplecenter.dll?atmel?cmd=menu>

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	Copper sample ordering code	Part number	Copper sample ordering code
AT42QT1481-AUR	AT42QT1481-AURC	ATMEGA8535-16AUR	ATMEGA8535-16AURC
ATMEGA1284P-AUR	ATMEGA1284P-AURC	ATMEGA8535L-8AUR	ATMEGA8535L-8AURC
ATMEGA162-16AUR	ATMEGA162-16AURC	ATMEGA1284P-MUR	ATMEGA1284P-MURC
ATMEGA162V-8AUR	ATMEGA162V-8AURC	ATMEGA324PA-MUR	ATMEGA324PA-MURC
ATMEGA164PA-AUR	ATMEGA164PA-AURC	ATMEGA164PA-MUR	ATMEGA164PA-MURC
ATMEGA164PV-10AUR	ATMEGA164PV-10AURC	ATMEGA644PA-MUR	ATMEGA644PA-MURC
ATMEGA16A-AUR	ATMEGA16A-AURC	ATMEGA32A-MUR	ATMEGA32A-MURC
ATMEGA16L-8AUR	ATMEGA16L-8AURC	ATMEGA32L-8MUR	ATMEGA32L-8MURC
ATMEGA324PA-AUR	ATMEGA324PA-AURC	ATMEGA16A-MUR	ATMEGA16A-MURC
ATMEGA324PV-10AUR	ATMEGA324PV-10AURC	ATMEGA16L-8MUR	ATMEGA16L-8MURC
ATMEGA32A-AUR	ATMEGA32A-AURC	ATMEGA8515L-8MUR	ATMEGA8515L-8MURC
ATMEGA32L-8AUR	ATMEGA32L-8AURC	ATMEGA8535L-8MUR	ATMEGA8535L-8MURC
ATMEGA644PA-AUR	ATMEGA644PA-AURC	ATMEGA162-16MUR	ATMEGA162-16MURC
ATMEGA644PV-10AUR	ATMEGA644PV-10AURC	ATMEGA162V-8MUR	ATMEGA162V-8MURC
ATMEGA8515-16AUR	ATMEGA8515-16AURC	ATMEGA324PV-10MUR	ATMEGA324PV-10MURC
ATMEGA8515L-8AUR	ATMEGA8515L-8AURC	ATMEGA644PV-10MUR	ATMEGA644PV-10MURC

Identification Method to Distinguish Change:

Lot tracking information can be made available upon request.

Qualification Data:	☒ Available	☐ Will be available (mm/dd/yr):	☐ Not Applicable
Samples:	☒ Available	☐ Will be available (mm/dd/yr):	☐ Not Applicable

Quantifiable Impact on Quality & Reliability:

None

Proposed First Ship Date*: April 30, 2013

**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 PCN number in subject line).

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