



Product Change Notification

PCN Number: CC144702

Notification Date: December 3, 2014

Title: Serial EEPROM Copper (Cu) Bond Wire Change

Product Identification:

AT24Cxxx (I²C) Industrial Temperature Grade (-40°C to +85°C) Serial EEPROM products:

- All PDIP and SOT23 package versions, including all customer assigned part numbers (CAN)
- PDIP base catalog part numbers

AT24C01C-PUM	AT24C01D-PUM	AT24C04C-PUM	AT24C08C-PUM	AT24C16C-PUM
AT24C02C-PUM	AT24C02D-PUM	AT24C04D-PUM	AT24C08D-PUM	AT24C16D-PUM
AT24HC02C-PUM				

- SOT23 base catalog part numbers

AT24C01C-STUM-T	AT24C02C-STUM-T	AT24C04C-STUM-T	AT24C08C-STUM-T
AT24C01D-STUM-T	AT24C02D-STUM-T	AT24C04D-STUM-T	AT24C08D-STUM-T
AT24C16C-STUM-T	AT24C16D-STUM-T	AT24C32D-STUM-T	

AT25xxx (SPI) Industrial Temperature Grade (-40°C to +85°C) Serial EEPROM products, and

AT93xxx (μWire) Industrial Temperature Grade (-40°C to +85°C) Serial EEPROM products:

- All PDIP package versions (SOT23 is not available for SPI products or μWire), including all customer assigned part numbers (CAN)

AT93C46D-PU	AT93C46E-BPU	AT93C46E-PU
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This PCN also applies to all customer specific CAN part numbers that are not listed in the tables. Contact Atmel for with any questions on support for CAN parts with Cu bond wires.

Reason for Change:

- | | |
|--|---|
| ☒ Material / Composition | ☐ Manufacturing Location |
| ☐ Processing / Manufacturing | ☐ Quality / Reliability |
| ☐ Design / Firmware | ☐ Logistics |
| ☐ Datasheet | ☐ Other: |

Change Description:

Copper (Cu) bond wire usage

In order to increase manufacturing flexibility and to ensure a long-term continuity of supply, Atmel will manufacture 8-lead PDIP and 5-lead SOT23 packages 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.

Table 1: Affected Part Numbers and Ordering Codes For Copper Wire Specific Samples

Standard Ordering Code	Cu Wire Sample Ordering Code	Package Type	Delivery Information	
			Form	Quantity
AT24C01C-PUM	Contact Local Atmel Sales Rep	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT24C02C-PUM	Contact Local Atmel Sales Rep	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT24C04C-PUM	Contact Local Atmel Sales Rep	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT24C08C-PUM	Contact Local Atmel Sales Rep	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT24C16C-PUM	Contact Local Atmel Sales Rep	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT24C01C-STUM-T	Contact Local Atmel Sales Rep	5-lead SOT23	Tape and Reel	5,000 per Reel
AT24C02C-STUM-T	Contact Local Atmel Sales Rep	5-lead SOT23	Tape and Reel	5,000 per Reel
AT24C04C-STUM-T	Contact Local Atmel Sales Rep	5-lead SOT23	Tape and Reel	5,000 per Reel
AT24C08C-STUM-T	Contact Local Atmel Sales Rep	5-lead SOT23	Tape and Reel	5,000 per Reel
AT24C16C-STUM-T	Contact Local Atmel Sales Rep	5-lead SOT23	Tape and Reel	5,000 per Reel
AT24C01D-PUM	AT24C01D-PUMC ‡	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT24C01D-STUM-T	AT24C01D-STUM-TC ‡	5-lead SOT23	Tape and Reel	5,000 per Reel
AT24HC02C-PUM	AT24HC02C-PUMC ‡	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT93C46D-PU	AT93C46D-PUC ‡	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT93C46E-BPU	AT93C46E-BPUC ‡	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT93C46E-PU	AT93C46E-PUC ‡	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT24C02D-PUM	AT24C02D-PUMC *	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT24C02D-STUM-T	AT24C02D-STUM-TC *	5-lead SOT23	Tape and Reel	5,000 per Reel
AT24C04D-PUM	AT24C04D-PUMC *	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT24C04D-STUM-T	AT24C04D-STUM-TC *	5-lead SOT23	Tape and Reel	5,000 per Reel
AT24C08D-PUM	AT24C08D-PUMC *	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT24C08D-STUM-T	AT24C08D-STUM-TC *	5-lead SOT23	Tape and Reel	5,000 per Reel
AT24C16D-PUM	AT24C16D-PUMC *	8-lead PDIP	Bulk (Tubes)	50 per Tube
AT24C16D-STUM-T	AT24C16D-STUM-TC *	5-lead SOT23	Tape and Reel	5,000 per Reel
AT24C32D-STUM-T	AT24C32D-STUM-TC *	5-lead SOT23	Tape and Reel	5,000 per Reel

Notes

- * – Samples inventory available
- ‡ – Samples available upon request. Normal lead times apply.

Identification Method to Distinguish Change:

None

Qualification Data:	☒ Available	☐ Will be available (mm/dd/yr):	☐ Not Applicable
Samples:	☒ Available See table 1	☐ Will be available (mm/dd/yr):	☐ Not Applicable
Quantifiable Impact on Quality & Reliability: None			
Proposed First Ship Date*: March 2, 2015 <i>*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.</i>			
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 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: ☐ <u>Approved</u> ☐ <u>Rejected (Please state reason for rejection):</u>	
Company: Name: Title: Date: Email Address: Location: Comments:	