



Product Change Notification

Product Change Notification Number: CC130202

Notification Date: January 24, 2013

Title: Serial EEPROM Copper (Cu) Bond Wire Change

Product Identification:

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

- All UDFN package versions

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

- All SOIC, TSSOP, and UDFN package versions

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

- All UDFN package versions

All affected part numbers are listed in Table 1.

Reason for Change:

☒ Material / Composition

☐ Processing / Manufacturing

☐ Design / Firmware

☐ Logistics

☒ Manufacturing Location

☐ Quality / Reliability

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 SOIC, TSSOP, and UDFN packages using both gold (Au) and copper bond (Cu) wires. In addition, Atmel will add ASE to its list of qualified subcontractors for DFN package assembly and test.

Atmel anticipates that the vast majority of future package assembly will use copper bond wires and strongly urges all customers to qualify copper bond wire products as soon as possible. However, Atmel reserves the right to ship devices with either gold or copper bond wires as it deems necessary.

Table 1

Standard datasheet catalog part numbers are shown below. This PCN also applies to all customer specific special CAN part numbers that are not listed in the table below.

Part Number	Package	Carrier Type	Part Number	Package	Carrier Type
AT25010B-SSHL-B	JEDEC SOIC	Bulk	AT25320B-SSHL-B	JEDEC SOIC	Bulk
AT25010B-SSHL-T	JEDEC SOIC	T/R, 4K per reel	AT25320B-SSHL-T	JEDEC SOIC	T/R, 4K per reel
AT25010B-XHL-B	TSSOP	Bulk	AT25320B-XHL-B	TSSOP	Bulk
AT25010B-XHL-T	TSSOP	T/R, 5K per reel	AT25320B-XHL-T	TSSOP	T/R, 5K per reel
AT25010B-MAHL-T	UDFN	T/R, 5K per reel	AT25320B-MAHL-T	UDFN	T/R, 5K per reel
AT25020B-SSHL-B	JEDEC SOIC	Bulk	AT25640B-SSHL-B	JEDEC SOIC	Bulk
AT25020B-SSHL-T	JEDEC SOIC	T/R, 4K per reel	AT25640B-SSHL-T	JEDEC SOIC	T/R, 4K per reel
AT25020B-XHL-B	TSSOP	Bulk	AT25640B-XHL-B	TSSOP	Bulk
AT25020B-XHL-T	TSSOP	T/R, 5K per reel	AT25640B-XHL-T	TSSOP	T/R, 5K per reel
AT25020B-MAHL-T	UDFN	T/R, 5K per reel	AT25640B-MAHL-T	UDFN	T/R, 5K per reel
AT25040B-SSHL-B	JEDEC SOIC	Bulk	AT25128B-SSHL-B	JEDEC SOIC	Bulk
AT25040B-SSHL-T	JEDEC SOIC	T/R, 4K per reel	AT25128B-SSHL-T	JEDEC SOIC	T/R, 4K per reel
AT25040B-XHL-B	TSSOP	Bulk	AT25128B-XHL-B	TSSOP	Bulk
AT25040B-XHL-T	TSSOP	T/R, 5K per reel	AT25128B-XHL-T	TSSOP	T/R, 5K per reel
AT25040B-MAHL-T	UDFN	T/R, 5K per reel	AT25128B-MAHL-T	UDFN	T/R, 5K per reel
AT25080B-SSHL-B	JEDEC SOIC	Bulk	AT25256B-SSHL-B	JEDEC SOIC	Bulk
AT25080B-SSHL-T	JEDEC SOIC	T/R, 4K per reel	AT25256B-SSHL-T	JEDEC SOIC	T/R, 4K per reel
AT25080B-XHL-B	TSSOP	Bulk	AT25256B-XHL-B	TSSOP	Bulk
AT25080B-XHL-T	TSSOP	T/R, 5K per reel	AT25256B-XHL-T	TSSOP	T/R, 5K per reel
AT25080B-MAHL-T	UDFN	T/R, 5K per reel	AT25256B-MAHL-T	UDFN	T/R, 5K per reel
AT25160B-SSHL-B	JEDEC SOIC	Bulk	AT25512N-SH-B	JEDEC SOIC	Bulk
AT25160B-SSHL-T	JEDEC SOIC	T/R, 4K per reel	AT25512N-SH-T	JEDEC SOIC	T/R, 4K per reel
AT25160B-XHL-B	TSSOP	Bulk	AT25512-TH-B	TSSOP	Bulk
AT25160B-XHL-T	TSSOP	T/R, 5K per reel	AT25512-TH-T	TSSOP	T/R, 5K per reel
AT25160B-MAHL-T	UDFN	T/R, 5K per reel			

Part Number	Package	Carrier Type	Part Number	Package	Carrier Type
AT24C01C-MAHM-T	UDFN	T/R, 5K per reel	AT24C128C-MAHM-T	UDFN	T/R, 5K per reel
AT24C02C-MAHM-T	UDFN	T/R, 5K per reel	AT24C256C-MAHL-T	UDFN	T/R, 5K per reel
AT24C04C-MAHM-T	UDFN	T/R, 5K per reel	AT24C512C-MAHM-T	UDFN	T/R, 5K per reel
AT24C08C-MAHM-T	UDFN	T/R, 5K per reel	AT93C46DY6-YH-T	UDFN	T/R, 5K per reel
AT24C16C-MAHM-T	UDFN	T/R, 5K per reel	AT93C56B-MAHM-T	UDFN	T/R, 5K per reel
AT24C32D-MAHM-T	UDFN	T/R, 5K per reel	AT93C66B-MAHM-T	UDFN	T/R, 5K per reel
AT24C64D-MAHM-T	UDFN	T/R, 5K per reel			

Identification Method to Distinguish Change: N/A			
Qualification Data:	☒ Available	☐ Available	☐ Not Applicable
Samples:	☒ Available SOIC/TSSOP	☒ Available DFN March 15, 2013	☐ Not Applicable
Quantifiable Impact on Quality & Reliability: None			
Proposed First Ship Date*: Available Now for SOIC/TSSOP and March 15, 2013 for DFN <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>			
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Company: Name: Title: Date: Email Address: Location: Comments:	