



Product Change Notification

Product Change Notification Number: SC100501

Notification Date: February 26, 2010

Title: Gold Bond Wire Diameter Reduction for Industrial 8 bit Microcontroller (C51 and AVR) Products – SOIC (except 20 pins), QFN/DFN, TQFP and PDIP Packages

Product Identification:

See attachments

Reason for Change:

☐ Design

☐ Manufacturing Location

☐ Processing

☐ Quality/Reliability

☐ Logistics

☒ Material

Change Description:

Atmel is implementing 0.8 mil Au wire instead of 1.0 mil Au wire for all SOIC (except 20 leads or higher), all QFN/DFN, TQFP and PDIP (except 40pin package which will convert to 1.0 mil Au wire from 1.2mil) packages at all qualified assembly sites.

Identification Method to Distinguish Change:

Date code later than WW 1015

Qualification Data:

☒ available

☐ not applicable

Samples:

☒ contact factory

☐ not applicable

Quantifiable Impact on Quality & Reliability:

None

Proposed First Ship Date*: May 21, 2010

**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: pcnadm@atmel.com

Atmel will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice. All correspondence must be sent to the Atmel Contact e-mail address listed above.

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Attachment A

Part Number	Part Number	Part Number	Part Number
AT80C51RD2-RLTUM	AT89C51RC2DTC-RLTUM	AT89LV51-16PC	ATMEGA128-16MUR
AT80C51RD2-3CSUM	AT89C51RC2-RLTUL	AT89LV51-16PI	ATMEGA1281R212-AU
AT89C2051-12PU	AT89C51RC2-RLTUM	AT89LV52-16AC	ATMEGA1281R212-MU
AT89C2051-24PU	AT89C51RB2-3CSUL	AT89LV52-16AI	ATMEGA1281R231-AU
AT89C4051-12PU	AT89C51RB2-3CSUM	AT89LV52-16PC	ATMEGA1281R231-MU
AT89C4051-24PU	AT89C51RC2-3CSUL	AT89LV52-16PI	ATMEGA1281V-8AU
AT89C5115-RATUM	AT89C51RC2-3CSUM	AT89S2051-24PU	ATMEGA1281V-8MU
AT89C51-24AC	AT89C51RD2DXQ-RLTUM	AT89S4051-24PU	ATMEGA1284-AU
AT89C51-24AI	AT89C51RD2-RDTUM	AT89S51-24AU	ATMEGA1284-MU
AT89C51-24PC	AT89C51RD2-RLTUM	AT89S51-24PU	ATMEGA1284P-AU
AT89C51-24PI	AT89C52-24AC	AT89S52-24AU	ATMEGA1284P-AUR
AT89C5130A-RDRUM	AT89C52-24AI	AT89S52-24PU	ATMEGA1284P-MU
AT89C5130A-RDTUM	AT89C52-24PC	AT89S8253-24AU	ATMEGA1284P-MUR
AT89C5131A-RDTUL	AT89C52-24PI	AT89S8253-24PU	ATMEGA1284P-PU
AT89C5131A-RDTUM	AT89C52-24PU	AT90USB1286-AU	ATMEGA1284PR212-AU
AT89C51AC2-RLTUM	AT89C55WD-24AU	AT90USB1286-AUR	ATMEGA1284PR212-MU
AT89C51AC3-RDTUM	AT89C55WD-24PU	AT90USB1287-AU	ATMEGA1284PR231-AU
AT89C51AC3-RLTUM	AT89LP2052-20PU	AT90USB1287-AUR	ATMEGA1284PR231-MU
AT89C51CC01CA-RLTUM	AT89LP213-20PU	AT90USB162-16AU	ATMEGA1284-PU
AT89C51CC01UA-RLRUM	AT89LP213-20SU	AT90USB162-16AUR	ATMEGA1284RZAP-AU
AT89C51CC01UA-RLTUM	AT89LP214-20PU	AT90USB646-AU	ATMEGA1284RZAP-MU
AT89C51CC02CA-RATUM	AT89LP214-20SU	AT90USB646-AUR	ATMEGA128A-AU
AT89C51CC02UA-RATUM	AT89LP216-20PU	AT90USB647-AU	ATMEGA128A-AUR
AT89C51CC03CA-RDTUM	AT89LP216-20SU	AT90USB647-AUR	ATMEGA128A-MU
AT89C51CC03CA-RLTUM	AT89LP4052-20PU	ATMEGA1280-16AU	ATMEGA128A-MUR
AT89C51CC03UA-RDTUM	AT89LP428-20AU	ATMEGA1280-16AUR	ATMEGA128L-8AN
AT89C51CC03UA-RLTUM	AT89LP428-20MH	ATMEGA1280R212-AU	ATMEGA128L-8ANR
AT89C51ED2-RDRUM	AT89LP428-20PU	ATMEGA1280R231-AU	ATMEGA128L-8AU
AT89C51ED2-RDTUM	AT89LP6440-20AU	ATMEGA1280V-8AU	ATMEGA128L-8AUR
AT89C51ED2-RLRUM	AT89LP6440-20PU	ATMEGA1280V-8AUR	ATMEGA128L-8MN
AT89C51ED2-RLTUM	AT89LP6440-20MU	ATMEGA1281-16AU	ATMEGA128L-8MNR
AT89C51ED2WOW-RDTUM	AT89LP828-20AU	ATMEGA1281-16AUR	ATMEGA128L-8MU
AT89C51IC2-RLRUM	AT89LP828-20MH	ATMEGA1281-16MU	ATMEGA128L-8MUR
AT89C51IC2-RLTUL	AT89LP828-20PU	ATMEGA128-16AN	ATMEGA128RZAV-8AU
AT89C51IC2-RLTUM	AT89LS51-16AU	ATMEGA128-16ANR	ATMEGA128RZAV-8MU
AT89C51ID2-RLTUM	AT89LS51-16PU	ATMEGA128-16AU	ATMEGA128RZBV-8AU
AT89C51RB2-RLTUL	AT89LS52-16AU	ATMEGA128-16AUR	ATMEGA16-16AQ
AT89C51RB2-RLTUM	AT89LS52-16PU	ATMEGA128-16MN	ATMEGA16-16AQR
AT89C51RC-24AU	AT89LV51-16AC	ATMEGA128-16MNR	ATMEGA16-16AU
AT89C51RC-24PU	AT89LV51-16AI	ATMEGA128-16MU	ATMEGA16-16AUR

Attachment B

Part Number	Part Number	Part Number	Part Number
ATMEGA16-16MQ	ATMEGA164PV-10MU	ATMEGA168P-20MUR	ATMEGA169PV-8AUR
ATMEGA16-16MQR	ATMEGA164PV-10MUR	ATMEGA168P-20PU	ATMEGA169PV-8MCH
ATMEGA16-16MU	ATMEGA164PV-10PQ	ATMEGA168PA-AU	ATMEGA169PV-8MCHR
ATMEGA16-16MUR	ATMEGA164PV-10PU	ATMEGA168PA-AUR	ATMEGA169PV-8MU
ATMEGA16-16PU	ATMEGA165A-AU	ATMEGA168PA-MMH	ATMEGA169PV-8MUR
ATMEGA162-16AU	ATMEGA165A-MU	ATMEGA168PA-MMHR	ATMEGA16A-AU
ATMEGA162-16AUR	ATMEGA165P-16AN	ATMEGA168PA-MU	ATMEGA16A-AUR
ATMEGA162-16MU	ATMEGA165P-16ANR	ATMEGA168PA-MUR	ATMEGA16A-MU
ATMEGA162-16MUR	ATMEGA165P-16AU	ATMEGA168PA-PU	ATMEGA16A-MUR
ATMEGA162-16PU	ATMEGA165P-16AUR	ATMEGA168PV-10AN	ATMEGA16A-PU
ATMEGA162V-8AU	ATMEGA165P-16MU	ATMEGA168PV-10ANR	ATMEGA16L-8AQ
ATMEGA162V-8AUR	ATMEGA165P-16MUR	ATMEGA168PV-10AU	ATMEGA16L-8AQR
ATMEGA162V-8MU	ATMEGA165PA-AU	ATMEGA168PV-10AUR	ATMEGA16L-8AU
ATMEGA162V-8MUR	ATMEGA165PA-AUR	ATMEGA168PV-10MU	ATMEGA16L-8AUR
ATMEGA162V-8PU	ATMEGA165PA-MU	ATMEGA168PV-10MUR	ATMEGA16L-8MU
ATMEGA164A-AU	ATMEGA165PA-MUR	ATMEGA168PV-10PU	ATMEGA16L-8MUR
ATMEGA164A-MCH	ATMEGA165PV-8AN	ATMEGA168V-10AU	ATMEGA16L-8PU
ATMEGA164A-MU	ATMEGA165PV-8ANR	ATMEGA168V-10AUR	ATMEGA2560-16AU
ATMEGA164A-PU	ATMEGA165PV-8AU	ATMEGA168V-10MQ	ATMEGA2560-16AUR
ATMEGA164P-20AQ	ATMEGA165PV-8AUR	ATMEGA168V-10MQR	ATMEGA2560R212-AU
ATMEGA164P-20AQR	ATMEGA165PV-8MU	ATMEGA168V-10MU	ATMEGA2560R231-AU
ATMEGA164P-20AU	ATMEGA165PV-8MUR	ATMEGA168V-10MUR	ATMEGA2560V-8AU
ATMEGA164P-20AUR	ATMEGA168-20AU	ATMEGA168V-10PU	ATMEGA2560V-8AUR
ATMEGA164P-20MQ	ATMEGA168-20AUR	ATMEGA169A-AU	ATMEGA2561-16AU
ATMEGA164P-20MQR	ATMEGA168-20MQ	ATMEGA169A-MU	ATMEGA2561-16AUR
ATMEGA164P-20MU	ATMEGA168-20MQR	ATMEGA169P-16AU	ATMEGA2561-16MU
ATMEGA164P-20MUR	ATMEGA168-20MU	ATMEGA169P-16AUR	ATMEGA2561-16MUR
ATMEGA164P-20PQ	ATMEGA168-20MUR	ATMEGA169P-16MCH	ATMEGA2561R212-AU
ATMEGA164P-20PU	ATMEGA168-20PU	ATMEGA169P-16MCHR	ATMEGA2561R212-MU
ATMEGA164PA-AU	ATMEGA168A-AU	ATMEGA169P-16MU	ATMEGA2561R231-AU
ATMEGA164PA-AUR	ATMEGA168A-MMH	ATMEGA169P-16MUR	ATMEGA2561R231-MU
ATMEGA164PA-MCH	ATMEGA168A-MU	ATMEGA169PA-AN	ATMEGA2561V-8AU
ATMEGA164PA-MCHR	ATMEGA168A-PU	ATMEGA169PA-ANR	ATMEGA2561V-8AUR
ATMEGA164PA-MU	ATMEGA168P-20AN	ATMEGA169PA-AU	ATMEGA2561V-8MU
ATMEGA164PA-MUR	ATMEGA168P-20ANR	ATMEGA169PA-AUR	ATMEGA2561V-8MUR
ATMEGA164PA-PU	ATMEGA168P-20AU	ATMEGA169PA-MCH	ATMEGA256RZAV-8AU
ATMEGA164PV-10AQ	ATMEGA168P-20AUR	ATMEGA169PA-MCHR	ATMEGA256RZAV-8MU
ATMEGA164PV-10AQR	ATMEGA168P-20MQ	ATMEGA169PA-MU	ATMEGA256RZBV-8AU
ATMEGA164PV-10AU	ATMEGA168P-20MQR	ATMEGA169PA-MUR	ATMEGA32-16AQ
ATMEGA164PV-10AUR	ATMEGA168P-20MU	ATMEGA169PV-8AU	ATMEGA32-16AQR

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Attachment C

Part Number	Part Number	Part Number	Part Number
ATMEGA32-16AU	ATMEGA3250PV-10AU	ATMEGA3290PA-AU	ATMEGA48-20AU
ATMEGA32-16AUR	ATMEGA3250PV-10AUR	ATMEGA3290PA-AUR	ATMEGA48-20MMH
ATMEGA32-16MU	ATMEGA3250V-8AU	ATMEGA3290PV-10AU	ATMEGA48-20MMU
ATMEGA32-16MUR	ATMEGA3250V-8AUR	ATMEGA3290PV-10AUR	ATMEGA48-20MU
ATMEGA32-16PU	ATMEGA325-16AU	ATMEGA3290V-8AU	ATMEGA48-20MUR
ATMEGA324A-AU	ATMEGA325-16AUR	ATMEGA3290V-8AUR	ATMEGA48-20PU
ATMEGA324A-MCH	ATMEGA325-16MU	ATMEGA329-16AU	ATMEGA48A-AU
ATMEGA324A-MU	ATMEGA325-16MUR	ATMEGA329-16AUR	ATMEGA48A-MMH
ATMEGA324A-PU	ATMEGA325A-AU	ATMEGA329-16MU	ATMEGA48A-MU
ATMEGA324P-20AQ	ATMEGA325A-MU	ATMEGA329-16MUR	ATMEGA48A-PU
ATMEGA324P-20AQR	ATMEGA325P-20AU	ATMEGA329A-AU	ATMEGA48P-20AU
ATMEGA324P-20AU	ATMEGA325P-20AUR	ATMEGA329A-MU	ATMEGA48P-20AUR
ATMEGA324P-20AUR	ATMEGA325P-20MU	ATMEGA329P-16AU	ATMEGA48P-20MMU
ATMEGA324P-20MQ	ATMEGA325P-20MUR	ATMEGA329P-20AU	ATMEGA48P-20MMUR
ATMEGA324P-20MQR	ATMEGA325PA-AU	ATMEGA329P-20AUR	ATMEGA48P-20MU
ATMEGA324P-20MU	ATMEGA325PA-AUR	ATMEGA329P-20MU	ATMEGA48P-20MUR
ATMEGA324P-20MUR	ATMEGA325PA-MU	ATMEGA329P-20MUR	ATMEGA48P-20PU
ATMEGA324P-20PU	ATMEGA325PA-MUR	ATMEGA329PA-AU	ATMEGA48PA-AU
ATMEGA324PA-AN	ATMEGA325PV-10AU	ATMEGA329PA-AUR	ATMEGA48PA-AUR
ATMEGA324PA-AU	ATMEGA325PV-10AUR	ATMEGA329PA-MU	ATMEGA48PA-MMH
ATMEGA324PA-AUR	ATMEGA325PV-10MU	ATMEGA329PA-MUR	ATMEGA48PA-MMHR
ATMEGA324PA-MCH	ATMEGA325PV-10MUR	ATMEGA329PV-10AU	ATMEGA48PA-MU
ATMEGA324PA-MCHR	ATMEGA325V-8AU	ATMEGA329PV-10AUR	ATMEGA48PA-MUR
ATMEGA324PA-MN	ATMEGA325V-8AUR	ATMEGA329PV-10MU	ATMEGA48PA-PU
ATMEGA324PA-MU	ATMEGA325V-8MU	ATMEGA329PV-10MUR	ATMEGA48PV-10AU
ATMEGA324PA-MUR	ATMEGA325V-8MUR	ATMEGA329V-8AU	ATMEGA48PV-10AUR
ATMEGA324PA-PN	ATMEGA328-AU	ATMEGA329V-8AUR	ATMEGA48PV-10MMU
ATMEGA324PA-PU	ATMEGA328-MU	ATMEGA329V-8MU	ATMEGA48PV-10MMUR
ATMEGA324PV-10AU	ATMEGA328P-AU	ATMEGA329V-8MUR	ATMEGA48PV-10MU
ATMEGA324PV-10AUR	ATMEGA328P-AUR	ATMEGA32A-AU	ATMEGA48PV-10MUR
ATMEGA324PV-10MU	ATMEGA328P-MU	ATMEGA32A-AUR	ATMEGA48PV-10PU
ATMEGA324PV-10MUR	ATMEGA328P-MUR	ATMEGA32A-MU	ATMEGA48V-10AU
ATMEGA324PV-10PU	ATMEGA328P-PN	ATMEGA32A-MUR	ATMEGA48V-10AUR
ATMEGA3250-16AU	ATMEGA328P-PU	ATMEGA32A-PU	ATMEGA48V-10MMH
ATMEGA3250-16AUR	ATMEGA328-PU	ATMEGA32L-8AE	ATMEGA48V-10MMU
ATMEGA3250A-AU	ATMEGA3290-16AU	ATMEGA32L-8AU	ATMEGA48V-10MMUR
ATMEGA3250P-20AU	ATMEGA3290-16AUR	ATMEGA32L-8AUR	ATMEGA48V-10MU
ATMEGA3250P-20AUR	ATMEGA3290A-AU	ATMEGA32L-8MU	ATMEGA48V-10MUR
ATMEGA3250PA-AU	ATMEGA3290P-20AU	ATMEGA32L-8MUR	ATMEGA48V-10PU
ATMEGA3250PA-AUR	ATMEGA3290P-20AUR	ATMEGA32L-8PU	ATMEGA640-16AU

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Attachment D

Part Number	Part Number	Part Number	Part Number
ATMEGA640-16AUR	ATMEGA644PV-10MQR	ATMEGA649-16MU	ATMEGA8515L-8AUR
ATMEGA640V-8AU	ATMEGA644PV-10MU	ATMEGA649-16MUR	ATMEGA8515L-8MU
ATMEGA640V-8AUR	ATMEGA644PV-10MUR	ATMEGA649A-AU	ATMEGA8515L-8MUR
ATMEGA64-16AU	ATMEGA644PV-10PQ	ATMEGA649A-MU	ATMEGA8515L-8PU
ATMEGA64-16AUR	ATMEGA644PV-10PU	ATMEGA649P-AU	ATMEGA8535-16AU
ATMEGA64-16MU	ATMEGA644V-10AU	ATMEGA649P-AUR	ATMEGA8535-16AUR
ATMEGA64-16MUR	ATMEGA644V-10AUR	ATMEGA649P-MU	ATMEGA8535-16MU
ATMEGA644-20AU	ATMEGA644V-10MU	ATMEGA649P-MUR	ATMEGA8535-16MUR
ATMEGA644-20AUR	ATMEGA644V-10MUR	ATMEGA649V-8AU	ATMEGA8535-16PU
ATMEGA644-20MU	ATMEGA644V-10PU	ATMEGA649V-8AUR	ATMEGA8535L-8AU
ATMEGA644-20MUR	ATMEGA6450-16AU	ATMEGA649V-8MU	ATMEGA8535L-8AUR
ATMEGA644-20PU	ATMEGA6450-16AUR	ATMEGA649V-8MUR	ATMEGA8535L-8MU
ATMEGA644A-AU	ATMEGA6450A-AU	ATMEGA64A-AU	ATMEGA8535L-8MUR
ATMEGA644A-MU	ATMEGA6450P-AU	ATMEGA64A-AUR	ATMEGA8535L-8PU
ATMEGA644A-PU	ATMEGA6450P-AUR	ATMEGA64A-MU	ATMEGA88-20AU
ATMEGA644P-20AQ	ATMEGA6450V-8AU	ATMEGA64A-MUR	ATMEGA88-20AUR
ATMEGA644P-20AQR	ATMEGA6450V-8AUR	ATMEGA64L-8AQ	ATMEGA88-20MU
ATMEGA644P-20AU	ATMEGA645-16AU	ATMEGA64L-8AQR	ATMEGA88-20MUR
ATMEGA644P-20AUR	ATMEGA645-16AUR	ATMEGA64L-8AU	ATMEGA88-20PU
ATMEGA644P-20MQ	ATMEGA645-16MU	ATMEGA64L-8AUR	ATMEGA88A-AU
ATMEGA644P-20MQR	ATMEGA645-16MUR	ATMEGA64L-8MQ	ATMEGA88A-MMH
ATMEGA644P-20MU	ATMEGA645A-AU	ATMEGA64L-8MQR	ATMEGA88A-MU
ATMEGA644P-20MUR	ATMEGA645A-MU	ATMEGA64L-8MU	ATMEGA88A-PU
ATMEGA644P-20PQ	ATMEGA645P-AU	ATMEGA64L-8MUR	ATMEGA88P-20AU
ATMEGA644P-20PU	ATMEGA645P-AUR	ATMEGA64RZAPV-10AU	ATMEGA88P-20AUR
ATMEGA644PA-AN	ATMEGA645P-MU	ATMEGA64RZAPV-10MU	ATMEGA88P-20MU
ATMEGA644PA-ANR	ATMEGA645P-MUR	ATMEGA64RZAV-10AU	ATMEGA88P-20MUR
ATMEGA644PA-AU	ATMEGA645V-8AU	ATMEGA64RZAV-10MU	ATMEGA88P-20PU
ATMEGA644PA-MN	ATMEGA645V-8AUR	ATMEGA64RZAV-10PU	ATMEGA88PA-AU
ATMEGA644PA-MU	ATMEGA645V-8MU	ATMEGA8-16AU	ATMEGA88PA-AUR
ATMEGA644PA-PU	ATMEGA645V-8MUR	ATMEGA8-16AUR	ATMEGA88PA-MMH
ATMEGA644PR212-AU	ATMEGA6490-16AU	ATMEGA8-16MU	ATMEGA88PA-MMHR
ATMEGA644PR212-MU	ATMEGA6490-16AUR	ATMEGA8-16MUR	ATMEGA88PA-MU
ATMEGA644PR231-AU	ATMEGA6490A-AU	ATMEGA8-16PU	ATMEGA88PA-MUR
ATMEGA644PR231-MU	ATMEGA6490P-AU	ATMEGA8515-16AU	ATMEGA88PA-PU
ATMEGA644PV-10AQ	ATMEGA6490P-AUR	ATMEGA8515-16AUR	ATMEGA88PV-10AU
ATMEGA644PV-10AQR	ATMEGA6490V-8AU	ATMEGA8515-16MU	ATMEGA88PV-10AUR
ATMEGA644PV-10AU	ATMEGA6490V-8AUR	ATMEGA8515-16MUR	ATMEGA88PV-10MU
ATMEGA644PV-10AUR	ATMEGA649-16AU	ATMEGA8515-16PU	ATMEGA88PV-10MUR
ATMEGA644PV-10MQ	ATMEGA649-16AUR	ATMEGA8515L-8AU	ATMEGA88PV-10PU

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Attachment E

Part Number	Part Number	Part Number	Part Number
ATMEGA88V-10AU	ATTINY13A-MUR	ATTINY24A-MMHR	ATTINY261A-MU
ATMEGA88V-10AUR	ATTINY13A-PU	ATTINY24A-MU	ATTINY261A-MUR
ATMEGA88V-10MU	ATTINY13A-SF	ATTINY24A-MUR	ATTINY261A-PU
ATMEGA88V-10MUR	ATTINY13A-SH	ATTINY24A-PU	ATTINY261V-10MU
ATMEGA88V-10PU	ATTINY13A-SHR	ATTINY24A-SSN	ATTINY261V-10MUR
ATMEGA8A-AN	ATTINY13A-SN	ATTINY24A-SSU	ATTINY261V-10PU
ATMEGA8A-ANR	ATTINY13A-SSH	ATTINY24A-SSUR	ATTINY26L-8ME
ATMEGA8A-AU	ATTINY13A-SSHR	ATTINY24N-2MU	ATTINY26L-8MU
ATMEGA8A-AUR	ATTINY13A-SSU	ATTINY24Q-10SSU	ATTINY26L-8MUR
ATMEGA8A-MU	ATTINY13A-SU	ATTINY24V-10MU	ATTINY26L-8PU
ATMEGA8A-MUR	ATTINY13V-10MMU	ATTINY24V-10MUR	ATTINY28L-4AU
ATMEGA8A-PN	ATTINY13V-10MMUR	ATTINY24V-10PU	ATTINY28L-4AUR
ATMEGA8A-PU	ATTINY13V-10MU	ATTINY24V-10SSU	ATTINY28L-4MU
ATMEGA8L-8AU	ATTINY13V-10MUR	ATTINY24V-10SSUR	ATTINY28L-4MUR
ATMEGA8L-8AUR	ATTINY13V-10PQ	ATTINY25-20MU	ATTINY28L-4PU
ATMEGA8L-8MU	ATTINY13V-10PU	ATTINY25-20MUR	ATTINY28V-1AU
ATMEGA8L-8MUR	ATTINY13V-10SSU	ATTINY25-20PU	ATTINY28V-1AUR
ATMEGA8L-8PU	ATTINY13V-10SSUR	ATTINY25-20SH	ATTINY28V-1MU
ATTINY12-8PU	ATTINY13V-10SU	ATTINY25-20SSH	ATTINY28V-1MUR
ATTINY12-8SU	ATTINY13V-10SUR	ATTINY25-20SSU	ATTINY28V-1PU
ATTINY12L-4PU	ATTINY20-MMH	ATTINY25-20SSUR	ATTINY40-MMH
ATTINY12L-4SU	ATTINY20-MMHR	ATTINY25-20SU	ATTINY40-MMHR
ATTINY12V-1PU	ATTINY20-SSU	ATTINY25-20SUR	ATTINY4313-MMH
ATTINY12V-1SU	ATTINY20-SSUR	ATTINY25V-10MU	ATTINY4313-MU
ATTINY13-20MMU	ATTINY2313-20MU	ATTINY25V-10MUR	ATTINY4313-PU
ATTINY13-20MMUR	ATTINY2313-20MUR	ATTINY25V-10PU	ATTINY43U-MU
ATTINY13-20MU	ATTINY2313-20PU	ATTINY25V-10SH	ATTINY43U-MUR
ATTINY13-20MUR	ATTINY2313A-MMH	ATTINY25V-10SSH	ATTINY44-20MU
ATTINY13-20PU	ATTINY2313A-MU	ATTINY25V-10SSU	ATTINY44-20MUR
ATTINY13-20SQ	ATTINY2313A-MUR	ATTINY25V-10SSUR	ATTINY44-20PU
ATTINY13-20SQR	ATTINY2313A-PU	ATTINY25V-10SU	ATTINY44-20SSU
ATTINY13-20SSQ	ATTINY2313V-10MU	ATTINY25V-10SUR	ATTINY44-20SSUR
ATTINY13-20SSQR	ATTINY2313V-10MUR	ATTINY261-20MU	ATTINY44A-MMH
ATTINY13-20SSU	ATTINY2313V-10PU	ATTINY261-20MUR	ATTINY44A-MMHR
ATTINY13-20SSUR	ATTINY24-20MU	ATTINY261-20PU	ATTINY44A-MU
ATTINY13-20SU	ATTINY24-20MUR	ATTINY26-16MQ	ATTINY44A-MUR
ATTINY13-20SUR	ATTINY24-20PU	ATTINY26-16MQR	ATTINY44A-PU
ATTINY13A-MMU	ATTINY24-20SSU	ATTINY26-16MU	ATTINY44A-SSN
ATTINY13A-MMUR	ATTINY24-20SSUR	ATTINY26-16MUR	ATTINY44A-SSU
ATTINY13A-MU	ATTINY24A-MMH	ATTINY26-16PU	ATTINY44A-SSUR

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Attachment F

Part Number	Part Number	Part Number	Part Number
ATTINY44A-W-11	ATTINY84-20SSUR	ATXMEGA128A3-AUR	ATXMEGA256A3-MH
ATTINY44N-2MU	ATTINY84A-PU	ATXMEGA128A3-MH	ATXMEGA256A3-MHR
ATTINY44V-10MU	ATTINY84A-SSU	ATXMEGA128A3-MHR	ATXMEGA256D3-AU
ATTINY44V-10MUR	ATTINY84V-10MU	ATXMEGA128A4-AU	ATXMEGA256D3-AUR
ATTINY44V-10PU	ATTINY84V-10MUR	ATXMEGA128A4-AUR	ATXMEGA256D3-MH
ATTINY44V-10SSU	ATTINY84V-10PU	ATXMEGA128A4-MH	ATXMEGA256D3-MHR
ATTINY44V-10SSUR	ATTINY84V-10SSU	ATXMEGA128A4-MHR	ATXMEGA32A4-AU
ATTINY45-20MU	ATTINY84V-10SSUR	ATXMEGA128D3-AU	ATXMEGA32A4-AUR
ATTINY45-20MUR	ATTINY85-20MU	ATXMEGA128D3-AUR	ATXMEGA32A4-MH
ATTINY45-20PU	ATTINY85-20MUR	ATXMEGA128D3-MH	ATXMEGA32A4-MHR
ATTINY45-20SH	ATTINY85-20PU	ATXMEGA128D3-MHR	ATXMEGA32D4-AU
ATTINY45-20SU	ATTINY85-20SH	ATXMEGA128D4-AU	ATXMEGA32D4-AUR
ATTINY45-20SUR	ATTINY85-20SU	ATXMEGA128D4-MH	ATXMEGA32D4-MH
ATTINY45V-10MU	ATTINY85-20SUR	ATXMEGA128D4-MHR	ATXMEGA32D4-MHR
ATTINY45V-10MUR	ATTINY85V-10MU	ATXMEGA16A4-AU	ATXMEGA32T0-AU
ATTINY45V-10PU	ATTINY85V-10MUR	ATXMEGA16A4-AUR	ATXMEGA32T0-MA5H
ATTINY45V-10SH	ATTINY85V-10PU	ATXMEGA16A4-MH	ATXMEGA32T0-MAH
ATTINY45V-10SU	ATTINY85V-10SH	ATXMEGA16A4-MHR	ATXMEGA384A1-AU
ATTINY45V-10SUR	ATTINY85V-10SU	ATXMEGA16D4-AU	ATXMEGA384A1-AUR
ATTINY461-20MU	ATTINY85V-10SUR	ATXMEGA16D4-AUR	ATXMEGA64A1-AU
ATTINY461-20MUR	ATTINY861-20MU	ATXMEGA16D4-MH	ATXMEGA64A1-AUR
ATTINY461-20PU	ATTINY861-20MUR	ATXMEGA16D4-MHR	ATXMEGA64A1U-AU
ATTINY461A-MU	ATTINY861-20PU	ATXMEGA192A1-AU	ATXMEGA64A3-AU
ATTINY461A-MUR	ATTINY861A-MU	ATXMEGA192A1-AUR	ATXMEGA64A3-AUR
ATTINY461A-PU	ATTINY861A-MUR	ATXMEGA192A3-AU	ATXMEGA64A3-MH
ATTINY461V-10MU	ATTINY861A-PU	ATXMEGA192A3-AUR	ATXMEGA64A3-MHR
ATTINY461V-10MUR	ATTINY861V-10MU	ATXMEGA192A3-MH	ATXMEGA64A4-AU
ATTINY461V-10PU	ATTINY861V-10PU	ATXMEGA192A3-MHR	ATXMEGA64A4-AUR
ATTINY48-AU	ATTINY88-AU	ATXMEGA192D3-AU	ATXMEGA64A4-MH
ATTINY48-AUR	ATTINY88-AUR	ATXMEGA192D3-AUR	ATXMEGA64A4-MHR
ATTINY48-MMH	ATTINY88-MMH	ATXMEGA192D3-MH	ATXMEGA64D3-AU
ATTINY48-MMHR	ATTINY88-MMHR	ATXMEGA192D3-MHR	ATXMEGA64D3-AUR
ATTINY48-MMU	ATTINY88-MMU	ATXMEGA256A1-AU	ATXMEGA64D3-MH
ATTINY48-MU	ATTINY88-MU	ATXMEGA256A1-AUR	ATXMEGA64D3-MHR
ATTINY48-MUR	ATTINY88-MUR	ATXMEGA256A3-AU	ATXMEGA64D4-AU
ATTINY48-PU	ATTINY88-PU	ATXMEGA256A3-AUR	ATXMEGA64D4-AUR
ATTINY84-20MU	ATXMEGA128A1-AU	ATXMEGA256A3B-AU	ATXMEGA64D4-MH
ATTINY84-20MUR	ATXMEGA128A1-AUR	ATXMEGA256A3B-AUR	ATXMEGA64D4-MHR
ATTINY84-20PU	ATXMEGA128A1U-AU	ATXMEGA256A3B-MH	
ATTINY84-20SSU	ATXMEGA128A3-AU	ATXMEGA256A3B-MHR	