

## Product Change Notification - JAON-29XUTR452

**Date:** 30 Mar 2017  
**Product Category:** Clock and Timing - Clock and Data Distribution; Clock and Timing - High Speed Communication  
**Notification subject:** CCB 2871 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the SiGe process technology.  
**Notification text:** **PCN Status:**  
 Initial notification

### Microchip Parts Affected:

Please open the attachments found in the attachments field below labeled as PCN\_#\_Affected\_CP.N.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

### Description of Change:

Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the SiGe process technology.

Please review the FAQ attached here for additional information regarding this change.

### Pre Change:

Fabricated at Micrel fabrication site (San Jose, CA, USA) (SJ) using 6 inch wafers.

### Post Change:

Fabricated at Atmel Fabrication site FAB 5 (Colorado Springs, CO, USA) (COS) using 6 inch wafers

Note: Microchip previously announced that the qualification of this process technology (SiGe) will be qualified at Microchip Fabrication Sites using 8 inch wafers. That qualification will proceed and will be communicated when completed as indicated in PCN [CYER-31JLEX869](#). The Colorado Springs location will become the primary location while the Microchip Fabrication sites locations using 8 inch wafers will be secondary manufacturing sites.

### Pre and Post Change Summary:

	Pre Change	Post Change	
Fabrication Location	Micrel Fabrication Site (San Jose, CA, USA)	Primary Fab Location: Atmel Fabrication site FAB 5 (Colorado Springs, CO USA)	Secondary Fab Location: Microchip Fabrication Sites (Tempe, AZ and Gresham, OR, USA)
Wafer Diameter	6 inches (150 mm)	6 inches (150 mm)	8 inches (200 mm)
Quality certification	ISO9001	ISO9001/TS16949	ISO/TS16949
Data sheet / specifications	No Change	No Change	No Change
Design/layout	No Change	No Change	No Change
Die Size	No change	No change	No change
Final test program	No change	No change	No change
Package Type/MSL	No Change	No Change	No Change

**Impacts to Data Sheet:**  
No impact anticipated.

**Change Impact:**  
None

**Reason for Change:**  
To improve productivity with the closure of the Micrel fab (S) as part of the integration of Micrel and Microchip.

**Change Implementation Status:**  
In Progress

**Estimated Qualification Completion Date:**  
April 2017

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date.

**Estimated First Ship Date:**  
Catalog part numbers fabricated at FAB 5 will not ship until after the final PCN with the listed CPN (s) attached. Microchip will issue Final PCNs as mask sets are released to production at FAB 5. Final PCNs will not be issued until after the qual data has been provided. Qual data will be provided in the intermediate PCN as noted in the time table below.

NOTE: This FAB transition will vary by catalog part number (CPN) and may take several months/years to complete the transition that may result in several final PCNs.

**Summary Time Table of notable events to date:**

	March 2017					April 2017				May 2017 onwards
Workweek	09	10	11	12	13	14	15	16	17	
Initial PCN Issue Date					X					
Qualification Report Availability and Intermediate PCN issue date									X	
Final PCN Issue Date										Will be issued as catalog part numbers (CPNs) are released to production

**Method to Identify Change:**  
Traceability code.

**Qualification Plan:**  
Please open the attachments included with this PCN labeled as PCN\_#\_Qual Plan.

**Revision History:**

March 30, 2017: Issued initial notification.

The change described in this PCN does not alter Micrel's or Atmel's or Microchip's current regulatory compliance regarding the material content of the applicable products.

**Attachment(s):**

[Frequently Asked Questions\\_FAB Transfer\\_SiGe\\_Fab5.pdf](#)  
[PCN\\_JAON-29XUTR452\\_Qual Plan.pdf](#)  
[PCN\\_JAON-29XUTR452\\_Affected CPN.pdf](#)  
[PCN\\_JAON-29XUTR452\\_Affected CPN.xlsx](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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To opt out of future offer or information emails (other than product change notification emails), click here to go to [microchipDIRECT](#) and login, then click on the "My account" link, click on "Update profile" and un-check the box that states "Future offers or information about Microchip's products or services."

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Affected Catalog Part Numbers (CPN)

PCN_JAON-29XUTR452
CATALOG_PART_NBR
SY54011RMG
SY54011RMG-TR
SY54016ARMG-TR
SY54016RMG-TR
SY54017ARMG
SY54017ARMG-TR
SY54017RMG
SY54017RMG-TR
SY54020ARMG
SY54020ARMG-TR
SY54020RMG
SY54020RMG-TR
SY54023ARMG
SY54023ARMG-TR
SY54023RMG
SY54023RMG-TR
SY56011RMG
SY56011RMG-TR
SY56016RMG-TR
SY56017RMG
SY56017RMG-TR
SY56020RMG
SY56020RMG-TR
SY56020XRMG
SY56023RMG
SY56028XRMG
SY56028XRMG-TR
SY56034ARMG
SY56034ARMG-TR
SY56040ARMY
SY56040ARMY-TR
SY56216RMG
SY56216RMG-TR
SY56572XRMG
SY56572XRMG-TR
SY58011UMG
SY58011UMG-TR
SY58012UMG
SY58012UMG-TR
SY58013UMG
SY58013UMG-TR
SY58016LMG
SY58017UMG

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Affected Catalog Part Numbers (CPN)

PCN_JAON-29XUTR452
CATALOG_PART_NBR
SY58017UMG-TR
SY58018UMG
SY58018UMG-TR
SY58019UMG
SY58019UMG-TR
SY58020UMG
SY58020UMG-TR
SY58021UMG
SY58021UMG-TR
SY58022UMG
SY58022UMG-TR
SY58023UMG
SY58023UMG-TR
SY58024UMG
SY58024UMG-TR
SY58025UMG
SY58025UMG-TR
SY58026UMG
SY58026UMG-TR
SY58027UMG
SY58027UMG-TR
SY58028UMG
SY58028UMG-TR
SY58029UMG
SY58029UMG-TR
SY58030UMG
SY58030UMG-TR
SY58031UMG
SY58031UMG-TR
SY58032UMG
SY58032UMG-TR
SY58033UMG
SY58033UMG-TR
SY58034UMG
SY58034UMG-TR
SY58035UMG
SY58035UMG-TR
SY58036UMG
SY58036UMG-TR
SY58037UMY
SY58037UMY-TR
SY58038UMY
SY58038UMY-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-29XUTR452
CATALOG_PART_NBR
SY58039UMY
SY58040UMY
SY58040UMY-TR
SY58600UMG-TR
SY58601UMG-TR
SY58602UMG-TR
SY58603UMG-TR
SY58604UMG-TR
SY58605UMG-TR
SY58606UMG
SY58606UMG-TR
SY58607UMG
SY58607UMG-TR
SY58608UMG
SY58608UMG-TR
SY58609UMG
SY58609UMG-TR
SY58610UMG
SY58610UMG-TR
SY58611UMG
SY58611UMG-TR
SY58626LMH
SY58626LMH-TR
SY58627LMG
SY84402LMG-TR
SY88422LMG
SY88422LMG-TR
SY88808LMH
SY89850UMG-TR
SY89851UMG
SY89851UMG-TR
SY89852UMG
SY89852UMG-TR
SY89853UMG
SY89853UMG-TR
SY89854UMG
SY89854UMG-TR
SY89855UMG
SY89855UMG-TR
SY89856UMG
SY89856UMG-TR
SY89858UMG
SY89858UMG-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-29XUTR452
CATALOG_PART_NBR
SY89859UMY
SY89859UMY-TR