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Product Change Notification - JAON-31GTPQ691 (Printer Friendly)

Date:

08 Feb 2017

Product Category:

Power Management - System Supervisors/Voltage Detectors; Power Management - Power Switches; Switching Regulators; Power Management - PMIC; General Purpose LED Drivers; Power Management - Power Modules; Linear Regulators; Power Management - Terminators

Notification subject:

CCB 2837 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the CSI05 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_CPN.

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 CSI05 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 (CSI05) 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 (Sj) as part of the integration of Micrel and Microchip.

Change Implementation Status:

In Progress

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:

Workweek	February 2016				->	April 2017				May 2017 onwards
	05	06	07	08		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
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Method to Identify Change:

Traceability code.

Qualification Plan:

Please open the attachments included with this PCN labeled as PCN_#_Qual Plan.

Revision History:

February 8, 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_Atme1 FAB Transfer_CSI05.pdf](#)

[PCN_JAON-31GTPQ691_Qual_Plan.pdf](#)

[PCN_JAON-31GTPQ691_Affected_CPN.pdf](#)

[PCN_JAON-31GTPQ691_Affected_CPN.xls](#)

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