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Product Change Notification - JAON-20BQVK768 (Printer Friendly)

Date:

04 May 2017

Product Category:

Power Management - Power Switches; Power Management - PWM Controllers; Switching Regulators;
Power MOSFET Drivers; Linear Regulators

Notification subject:

CCB 2837 Intermediate Notice: Qualification of Fabrication site (FAB 5) for Micrel products
manufactured with the BCD05 process technology.

Notification text:**PCN Status:**

Intermediate 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 BCD05 process technology. This PCN is to inform you that qualification of the BCD05 process technology has completed and to provide the report for your review. Although we are providing you with the qualification data, products in this process technology will not ship from Fabrication site (FAB 5) until after the final PCN has been issued.

Please review the FAQ attached on this notification for additional information about 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 (BCD05) 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-31ILEX86](#). The Colorado Springs location will become the primary location and the only site that will ship products in this process technology (BCD05) while the Microchip Fabrication sites using 8 inch wafers will be backup fab sites, which can be used if there is some sort of critical issue.

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) | Backup Fab Locations: 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 has been issued with the listed CPN(s) attached. Microchip will issue Final PCNs as mask sets are released to production at FAB 5.

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:

| | December 2016 | | | | | - > | May 2017 | | | | May 2017 onwards |
|---|---------------|----|----|----|----|--------|----------|----|----|----|---|
| Workweek | 48 | 49 | 50 | 51 | 52 | | 18 | 19 | 20 | 21 | |
| 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 |

Traceability code.

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

December 23, 2016: Issued initial notification.

May 4, 2017: Issued intermediate notification. Attached the Qualification Report.

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.

Frequently Asked Questions_FAB Transfer.pdf

PCN_JAON-20BQVK768_Qual Report.pdf

PCN JAON-20BQVK768 Affected CPN.pdf

PCN JAON-20BQVK768 Affected CPN.xls

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

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