

Product Change Notification - JAON-20BQVK768

Date: 24 Dec 2016
Product Category: Power Management - PWM Controllers; Switching Regulators; Power Management - Power Modules; Power MOSFET Drivers; Linear Regulators; Power Management - Power Switches
Notification subject: CCB 2837 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the BCD05 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 BCD05 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 (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-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	December 2016					->	April 2017				May 2017 onwards
	48	49	50	51	52		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:
December 24, 2016: 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.pdf](#)
- [PCN_JAON-20BQVK768_Qual_Plan.pdf](#)

JAON-20BQVK768 - CCB 2837 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the BCD05 process technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-20BQVK768
CATALOG_PART_NBR
MIC2026A-1YM
MIC2026A-1YM-TR
MIC2026A-2YM
MIC2026A-2YM-TR
MIC2076A-1YM
MIC2076A-1YM-TR
MIC2076A-2YM
MIC2076A-2YM-TR
MIC2101YML-TR
MIC2102YML-TR
MIC2103YML-TR
MIC2104YML-TR
MIC2124YMM
MIC2124YMM-TR
MIC2125-2YML-TR
MIC2125-1YML-TR
MIC2125YML-T5
MIC2125YML-TR
MIC2126YML-T5
MIC2126YML-TR
MIC2127-AYML
MIC2127-AYML-T5
MIC2127-AYML-TR
MIC2128YML-T5
MIC2128YML-TR
MIC2150YML-TR
MIC2151YML-TR
MIC2155YML-TR
MIC2156YML-TR
MIC2164-2YMM
MIC2164-2YMM-TR
MIC2164-3YMM
MIC2164-3YMM-TR
MIC2164CYMM
MIC2164CYMM-TR
MIC2164YMM
MIC2164YMM-TR
MIC2165YMME
MIC2165YMME-TR
MIC2166YMME
MIC2166YMME-TR
MIC2174-1YMM
MIC2174-1YMM-TR

JAON-20BQVK768 - CCB 2837 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the BCD05 process technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-20BQVK768
CATALOG_PART_NBR
MIC2174C-1YMM
MIC2174C-1YMM-TR
MIC2176-1YMM
MIC2176-1YMM-TR
MIC2176-2YMM
MIC2176-2YMM-TR
MIC2176-3YMM
MIC2176-3YMM-TR
MIC2230-AAYML-TR
MIC2230-G4YML-TR
MIC2230-GFHYML-TR
MIC2230-GSYML-TR
MIC2230-J4YML-TR
MIC2230-S4YML-TR
MIC2230-SSYML-TR
MIC2238-AAYML-TR
MIC2238-G4YML-TR
MIC2238-GFHYML-TR
MIC2238-GSYML-TR
MIC2238-J4YML-TR
MIC2238-S4YML-TR
MIC2238-SSYML-TR
MIC2267YML-TR
MIC24051YJL-TR
MIC24052YJL-TR
MIC24053YJL-TR
MIC24054YJL-TR
MIC24055YJL-TR
MIC24056YJL-TR
MIC24069YFL
MIC24069YFL-TR
MIC24070YFL
MIC24070YFL-TR
MIC24091YJL-TR
MIC24092YJL-TR
MIC24097YJL-TR
MIC24098YJL-TR
MIC24420YML-TR
MIC24421YML-TR
MIC25400YML-TR
MIC261201YJL-TR
MIC261203YJL-TR
MIC261203-ZAYJL-TR

JAON-20BQVK768 - CCB 2837 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the BCD05 process technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-20BQVK768
CATALOG_PART_NBR
MIC261203-ZYJL-TR
MIC26400YJL-TR
MIC26600YJL-TR
MIC26601YJL-TR
MIC26603YJL-TR
MIC26603-ZAYJL-TR
MIC26603-ZYJL-TR
MIC26901YJL-TR
MIC26903YJL-TR
MIC26903-ZAYJL-TR
MIC26950YJL-TR
MIC27600YJL-TR
MIC27600YJL-TRAAA
MIC28303-1YMP-T1
MIC28303-1YMP-TR
MIC28303-2YMP-T1
MIC28303-2YMP-TR
MIC28304-1YMP-T1
MIC28304-1YMP-TR
MIC28304-2YMP-T1
MIC28304-2YMP-TR
MIC283103YML-TR
MIC28310YJL-TR
MIC28404T-E/NVA
MIC284102YML-TR
MIC28510AYJL-TR
MIC28510HFYJL-TR
MIC28510HYJL-TR
MIC28510YJL-TR
MIC28511-1YFL
MIC28511-1YFL-T5
MIC28511-1YFL-TR
MIC28511-2YFL-T5
MIC28511-2YFL-TR
MIC28512-1YFL-T5
MIC28512-1YFL-TR
MIC28512-2YFL-T5
MIC28512-2YFL-TR
MIC28513-1YFL-T5
MIC28513-1YFL-TR
MIC28513-2YFL-T5
MIC28513-2YFL-TR
MIC286101YML-TR

JAON-20BQVK768 - CCB 2837 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the BCD05 process technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-20BQVK768
CATALOG_PART_NBR
MIC28710AYML-TR
MIC38150HYHL-TR
MIC38300HYHL-TR
MIC45116-1YMP-T1
MIC45116-1YMP-TR
MIC45116-2YMP-T1
MIC45116-2YMP-TR
MIC45205-1YMP-T1
MIC45205-1YMP-TR
MIC45205-2YMP-T1
MIC45205-2YMP-TR
MIC45208-1YMP-T1
MIC45208-1YMP-TR
MIC45208-2YMP-T1
MIC45208-2YMP-TR
MIC45212-1YMP-T1
MIC45212-1YMP-TR
MIC45212-2YMP-T1
MIC45212-2YMP-TR
MIC4600YML-T5
MIC4600YML-TR
MIC5011YM
MIC5011YM-TR
MIC5011YN
MIC5013YM
MIC5013YM-TR
MIC5013YN
MIC59150YME
MIC59150YME-TR
MIC59300-1.2WU
MIC59300-1.2WU-TR
MIC59300-1.2YME
MIC59300-1.2YME-TR
MIC59300WU
MIC59300WU-TR
MIC59300YME
MIC59300YME-TR
MIC61150-10YML-TR
MIC61150-10YMME
MIC61150-10YMME-TR
MIC61150YML-TR
MIC61150YMME
MIC61150YMME-TR

JAON-20BQVK768 - CCB 2837 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the BCD05 process technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-20BQVK768
CATALOG_PART_NBR
MIC61300-10YML-TR
MIC61300-10YMME
MIC61300-10YMME-TR
MIC61300YML-TR
MIC61300YMME
MIC61300YMME-TR
MIC94161YCS-TR
MIC94162YCS-TR
MIC94163YCS-TR
MIC94164YCS-TR
MIC94165YCS-TR
SPN011029G
SPN011029G-TR
SPN030054-TR
SPN030055-TR