

Date:	20 Jun 2016
Product Category:	Analog (Linear & Mixed Signal) AND Interface; Analog (Thermal, Power Management & Safety); Supertex; Micrel
Notification subject:	CCB 1737.09 Intermediate Notice: Qualification of Microchip 8 inch Fabrication site for Micrel products manufactured with the B2CD2 Process Technology.
Notification text:	PCN Status: Intermediate notification

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).

Qualification of Microchip 8 inch Fabrication site for Micrel products manufactured with the B2CD2 Process Technology. This PCN is to inform you that qualification of the B2CD2 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 Microchip's Fab's until after the final PCN has been issued. Please review the FAQ linked [here](#) for additional information about this change.

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

Fabricated at Microchip Fabrication site using 8 inch wafers.

None

To improve productivity with the closure of the Micrel fab as part of the integration of Micrel and Microchip.

In Progress

Catalog part numbers fabricated in Microchip Fabs will not ship until the final PCN has been issued. Microchip will issue Final PCNs as catalog part numbers (CPN) are released to production.

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

[illegible]

Available									X
-----------	--	--	--	--	--	--	--	--	---

Markings to Distinguish Revised from Unrevised Devices:

Traceability code and MPC on shipping label.

Revision History:

September 1, 2015: Issued initial notification as PCN number **CYER-31JLEX869**

May 27, 2016: Issued intermediate notification with a different PCN number. Attached the Qualification Report.

Revised the estimated first ship date (EFSD) to inform that the EFSD will be revealed in the final PCN.

June 20, 2016: Updated the Qualification Report to add the note on the ESD ratings.

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

Attachment(s):

PCN_JAON-23PXEI807_Qual Report.pdf

PCN_JAON-23PXEI807_Affected_CPN.pdf

PCN_JAON-23PXEI807_Affected_CPN.xls

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

Terms and Conditions:

If you wish to change your product/process change notification (PCN) profile please log on to our website at <http://www.microchip.com/PCN> sign into myMICROCHIP to open the myMICROCHIP home page, then select a profile option from the left navigation bar.

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."

JAON-23PXEI807 - CCB 1737.09 Intermediate Notice: Qualification of Microchip 8 inch Fabrication site for Micrel products manufactured with the B2CD2 Process Technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-23PXEI807
CATALOG_PART_NBR
LMC7101AYM5-TR
LMC7101BYM5-TR
LMC7101BYM5-TX
MIC2253-06YML-TR
MIC2287-15YML-TR
MIC2287-24YML-TR
MIC2287-34YML-TR
MIC2287C-15YML-TR
MIC2287C-24YML-TR
MIC2287C-34YML-TR
MIC2287CYD5-TR
MIC2287CYD5-TX
MIC2287YD5-TR
MIC2287YD5-TX
MIC2288YD5-TR
MIC2288YD5-TX
MIC2288YML-TR
MIC2289-15YML-TR
MIC2289-24YD6-TR
MIC2289-24YD6-TX
MIC2289-24YML-TR
MIC2289-34YML-TR
MIC2289C-34YD6-TR
MIC2289C-34YD6-TX
MIC2290YML-TR
MIC2291-15YML-TR
MIC2291-34YML-TR
MIC2291YD5-TR
MIC2292-15YML-TR
MIC2292-34YML-TR
MIC2292C-15YML-TR
MIC2293-15YML-TR
MIC2293-34YML-TR
MIC2293C-34YML-TR
MIC2295YD5-TR
MIC2295YML-TR
MIC2296YD5-TR
MIC2296YD5-TX
MIC2296YML-TR
MIC2297-15YML-TR
MIC2297-38YML-TR
MIC2297-42YML-TR
MIC2298-15YML-TR
MIC2299-15YML-TR

JAON-23PXEI807 - CCB 1737.09 Intermediate Notice: Qualification of Microchip 8 inch Fabrication site for Micrel products manufactured with the B2CD2 Process Technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-23PXEI807
CATALOG_PART_NBR
MIC2601YML-TR
MIC2602YML-TR
MIC2605YML-TR
MIC2606YML-TR
MIC2619YD6-TR
MIC2755YMM
MIC2778-1YM5-TR
MIC2778-2YM5-TR
MIC2779H-1YM5-TR
MIC2779H-2YM5-TR
MIC2779L-1YM5-TR
MIC2779L-2YM5-TR
MIC3287-24YD6-TR
MIC3287-24YD6-TX
MIC3287-24YML-TR
MIC3287YD5-TR
MIC3287YD5-TX
MIC4826YMM
MIC4826YMM-TR
MIC4827YMM
MIC4827YMM-TR
MIC5164YMM
MIC5164YMM-TR
MIC5165YMM
MIC5165YMM-TR
MIC5280YME
MIC5280YME-TR
MIC5281-3.3YMM
MIC5281-3.3YMME
MIC5281-3.3YMME-TR
MIC5281-3.3YMM-TR
MIC5281-5.0YMM
MIC5281-5.0YMME
MIC5281-5.0YMME-TR
MIC5281-5.0YMM-TR
MIC5281YMM
MIC5281YMME
MIC5281YMME-TR
MIC5281YMM-TR
MIC5282-3.3YMM
MIC5282-3.3YMME
MIC5282-3.3YMME-TR
MIC5282-3.3YMM-TR
MIC5282-5.0YMM

JAON-23PXEI807 - CCB 1737.09 Intermediate Notice: Qualification of Microchip 8 inch Fabrication site for Micrel products manufactured with the B2CD2 Process Technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-23PXEI807
CATALOG_PART_NBR
MIC5282-5.0YMME
MIC5282-5.0YMME-TR
MIC5282-5.0YMM-TR
MIC5282YMM
MIC5282YMME
MIC5282YMME-TR
MIC5282YMM-TR
MIC5283-3.3YME
MIC5283-3.3YME-T5
MIC5283-3.3YME-TR
MIC5283-3.3YML-T5
MIC5283-3.3YML-TR
MIC5283-5.0YME
MIC5283-5.0YME-T5
MIC5283-5.0YME-TR
MIC5283-5.0YML-T5
MIC5283-5.0YML-TR
MIC5283YME
MIC5283YME-T5
MIC5283YME-TR
MIC5283YML-T5
MIC5283YML-TR
MIC7111YM5-TR
MIC7111YM5-TX
MIC7122YMM
MIC7122YMM-TR
MIC7300YM5-TR
MIC7300YM5-TX
MIC7300YMM
MIC7300YMM-TR
MIC833YM5-TR
MIC834YM5-TR
SPN035007G-TR



QUALIFICATION REPORT
RELIABILITY LABORATORY

PCN #: JAON-23PXEI807

Date
May 3, 2016

**Qualification of Microchip 8 inch Fabrication site for Micrel products
manufactured with the B2CD2 Process Technology.**

PACKAGE QUALIFICATION RESULTS					
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	Rej/ss	COMMENTS
Level 1 Pre-conditioning Flow	JESD22-A113	1548	V416222332.120MQB	0/313	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	96 HR Rej/ss	COMMENTS
PRESSURE POT With Level 1 Pre-conditioning Tpeak + 260°C 3X Reflow	JESD22-A102 Ta = +121°C/100%RH 15 PSIG	1548	V416222332.120MQB	0/45	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	96 HR Rej/ss	COMMENTS
HAST With Level 1 Pre-conditioning Tpeak + 260°C 3X Reflow	JESD22-A110 (BIASED) Ta= +130°C/85%RH VCC = 10V	1548	V416222332.120MQB	0/77	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	500 CY Rej/ss	COMMENTS
TEMP CYCLE With Level 1 Pre-conditioning Tpeak + 260°C 3X Reflow	JESD22-A104 Ta = -65°C / +150°C	1548	V416222332.120MQB	0/45	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	1000 HR Rej/ss	COMMENTS
HTSL High Temperature Storage Life With Level 1 Pre-conditioning Tpeak + 260°C 3X Reflow	JESD22-A103 Ta = +150°C	1548	V416222332.120MQB	0/76	
FLAMMABILITY	UL-94V-0 Certified	All mold compounds used by Micrel meet this standard. See the UL website on-line list of material flammability certifications. Micrel requires a Certificate of Compliance from the assembly house and we verify the certifications on the web.			
Note: For the B2CD2 package qualification, please see the below. 1. Qualification device/vehicle: 2288YD5 2. Fab qual lot #: V416222332.120MQB 3. Package type: TSOT-5L (UNIB)					