



Product Change Notification: CYER-31JLEX869

Date:

03-Dec-2016

Product Category:

Backlight LED Drivers, Battery Management and Fuel Gauges - Battery Chargers, Clock And Timing - Clock And Data Distribution, Clock And Timing - Clock Generation, Clock And Timing - High Speed Communication, Clock Buffers, Driver / Interface ICs, EL Backlight Driver ICs, Ethernet Phys, Ethernet Switches, Fan Controller Ics, Gate Drivers and Motor Drivers, General Purpose LED Drivers, Hot Swap Controller, Linear Comparators, Linear Op Amps, Linear Regulators, Low-Med Voltage Power Modules, Power Management - PMIC, Power Management - Power Switches, Power Management - PWM Controllers, Power Management - System Supervisors/Voltage Detectors, Power Management - Terminators, Switching Regulators, Voltage References

Notification Subject:

CCB 1737 Initial Notice - Fabrication Site Qualification: Qualification of Microchip Fabrication sites for selected Micrel products.

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 Microchip Fabrication sites for selected Micrel products.

NOTE: Microchip will qualify Micrel process technologies and each process technology includes a list of catalog part numbers (CPN) provided in the attached parts affected list.

Pre Change:

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

Note: This change does not affect products fabricated at foundries.

Post Change:

Fabricated at Microchip Fabrication sites using 8 inch wafers.

Pre and Post Change Summary:

| | Pre Change | Post Change |
|-------------------|--|----------------------------|
| Fab Site | Micrel fabrication site (San Jose, CA, USA) | Microchip fabrication site |
| Wafer Size | 6 inch wafers | 8 inch wafers |

Impacts to Data Sheet:

No impact anticipated.

NOTE: changes that impact the data sheet will be noted in the final notification.

Reason for Change:

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

Change Implementation Status:

In Progress

Estimated First Ship Date:

First Quarter of calendar year 2016

NOTE: Please be advised that after the estimated first ship date customers may receive pre and post change parts. Please review the tables below that guide the estimated sample and implementation availability.

Summary Time Table:

| | Q3 2015 | Q4 2015 | Q1 2016 | Q2 2016 | Q3 2016 | Q4 2016 |
|-------------------------------|---------|---------|---------|---------|---------|---------|
| Initial PCN Issue Date | X | | | | | |
| Estimated Sample Availability | | | X** | | | |
| Qual Report Available | | | X* | | | |
| Final PCN Issue Date | | | X* | | | |
| Estimated First Ship Date | | | X*** | | | |

*Qual reports and final PCNs will begin to be issued starting on Q1 2016 and will identify the products that are qualified but will be variable by process (See table below). A separate final PCN will be issued for each group of catalog part numbers that are available to build. Please note that the final PCN and qualification report will be issued before shipment.

**Samples may be available starting on Q1 2016 but will be variable by process (See table below).

***First shipment may begin as early as Q1 2016 but will be variable by process (See table below).

Process Technology Schedule:

| * Process Technology | Intermediate PCN # | Intermediate PCN Issue Date / Qual Report Availability |
|----------------------|---------------------------------------|--|
| CSI05 | <u>JAON-08AHID607</u> | September 25, 2016 |
| BCDM | <u>JAON-11SIPZ900</u> | April 14, 2016 |
| BCC | <u>JAON-24XLPK873</u> | February 25, 2016 |
| BCD2 | <u>JAON-22ZKEM744</u> | February 25, 2016 |
| BCDSI | <u>JAON-24FRFP480</u> | March 3, 2016 |
| CSI12 | <u>JAON-26ABPQ300</u> | April 29, 2016 |
| BM2 | <u>JAON-26TTXD112</u> | April 29, 2016 |
| B2M2 | <u>JAON-08DHBR103</u> | April 12, 2016 |
| B2CD2 | <u>JAON-23PXEI807</u> | May 27, 2016 |
| BCD12 | <u>JAON-13MUGT016</u> | March 16, 2016 |
| S2 | <u>JAON-14FRVC158</u> | November 4, 2016 |
| SiGe | TBA | Q1 2017 |
| BCD05 | TBA | Q1 2017 |

| | | |
|--------|-----|---------|
| BCD035 | TBA | Q1 2017 |
|--------|-----|---------|

*See Attached parts list to identify which catalog part numbers ****(CPN) are included in each process technology.

**** Please be advised that the part numbers listed are using Microchips part numbering convention as was announced in [PCN JAON-25ICCA251](#).

NOTE: Not all CPNs will be available for sample and estimated first ship date after each process has been qualified on the dates guided however a final PCN will be issued identifying sample availability and estimated first ship dates for each CPN prior to the estimated first ship date.

Markings to Distinguish Revised from Unrevised Devices:

Traceability code

Revision History:

September 1, 2015: Issued initial notification.

December 3, 2016: Removed S1 process technology. Micrel S1 process technology initial notification was issued with PCN # [JAON-01RSNA976](#). Updated affected parts list. Updated the Process Technology Schedule table to add the reference PCN #, Intermediate PCN Issue Date/Qual Report Availability and SiGe Process Technology.

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.

Attachments:

[Frequently Asked Questions.pdf](#)

[Frequently Asked Questions_FAB Transfer.pdf](#)

[PCN_CYER-31JLEX869_Qual Plan.pdf](#)

[PCN_CYER-31JLEX869_Affected CPN.pdf](#)

[PCN_CYER-31JLEX869_Affected CPN.xls](#)

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

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