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Product Change Notification - JAON-20NMDY390

Date: 20 Jun 2016
Product Category: Analog (Thermal, Power Management & Safety)
Notification subject: CCB 1737.01 Final Notice: Release to production of listed Micrel MOSFET Driver product type manufactured with the BCDSi process technology to Microchip Fab.
Notification text: **PCN Status:**
 Final Notification

Note: This final PCN only pertains to the products listed in this PCN. Additional final PCNs may be issued for this combination of product type and process technology.

Microchip Parts Affected:

Please open the attachments found in the attachments field below labeled as PCN_#_Affected_CP.N.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

Description of Change:

Release to production of listed Micrel MOSFET Driver product type manufactured with the BCDSi process technology to Microchip Fab.

NOTE: Please review the FAQ linked [here](#) for additional information about this change.

Pre Change:

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

Post Change:

Fabricated at Microchip fabrication site 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:

None

Reason for Change:

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

Change Implementation Status:

In Progress

Estimated First Ship Date:

As identified for each CPN listed in the attached parts list.

Summary Time Table of notable events to date:

| | September 2015 | | | | | ---> | March 2016 | | | | | April 2016 | | | May 2016 | | | | | |
|--|----------------|----|----|----|----|------|------------|----|----|----|----|------------|----|----|---------------------------------------|----|----|----|----|--|
| WW | 36 | 37 | 38 | 39 | 40 | | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | |
| Initial PCN Issue Date CYER-31JLEX869 | X | | | | | | | | | | | | | | | | | | | |
| Qual Report Available JAON-24FRFP480 | | | | | | | X | | | | | | | | | | | | | |
| Final PCN Issue Date JAON-20NMDY390 | | | | | | | | | | | | | X | | | | | | | |
| Estimated First Ship Date | | | | | | | | | | | | | | | As listed in the attached parts list. | | | | | |

Markings to Distinguish Revised from Unrevised Devices:
Traceability code and shipping label see [FAQ](#).

Revision History:

September 1, 2015: Issued initial notification as PCN number [CYER-31JLEX869](#)

March 3, 2016: Issued intermediate notification as PCN number [JAON-24FRFP480](#). Attached the Qualification Report. Revised the estimated first ship date (EFS) to inform that the EFS will be provided in the final PCN.

April 12, 2016: Issued final notification as PCN number JAON-20NMDY390 for listed Micrel's MOSFET Driver products manufactured with the BCDSi Process Technology. Provided estimated first ship date (EFS) for each CPN listed in the attached parts list.

April 21, 2016: Re-issued the final notification with a new PCN number to be available in the website.

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-24FRFP480_Qual Report.pdf](#)
 - [PCN_JAON-20NMDY390_Affected_CPN.pdf](#)
 - [PCN_JAON-20NMDY390_Affected_CPN.xls](#)

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

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JAON-20NMDY390 - CCB 1737.01 Final Notice: Release to production of listed Micrel MOSFET Driver product type manufactured with the BCDSi process technology to Microchip Fab.

Affected Catalog Part Numbers (CPN)

| PCN_JAON-20NMDY390 | |
|--------------------|----------------------------------|
| CATALOG_PART_NBR | Estimated First Ship Date (EFSD) |
| MIC4420YM | Apr 22, 2016 |
| MIC4420YMM | May 15, 2016 |
| MIC4420YM-TR | May 15, 2016 |
| MIC4420YN | May 15, 2016 |
| MIC4420ZM | May 15, 2016 |
| MIC4420ZM-TR | May 15, 2016 |
| MIC4420ZN | May 15, 2016 |
| MIC4420ZT | May 15, 2016 |
| MIC4423YM | May 08, 2016 |
| MIC4423YM-TR | May 08, 2016 |
| MIC4424YM | May 08, 2016 |
| MIC4424YM-TR | May 15, 2016 |
| MIC4425YM | May 08, 2016 |
| MIC4425YM-TR | May 15, 2016 |
| MIC4426YM | May 08, 2016 |
| MIC4426YMM | May 15, 2016 |
| MIC4426YMM-TR | May 15, 2016 |
| MIC4426YM-TR | Apr 22, 2016 |
| MIC4426YN | May 08, 2016 |
| MIC4426ZM | May 15, 2016 |
| MIC4426ZM-TR | May 08, 2016 |
| MIC4426ZN | May 15, 2016 |
| MIC4427YM | May 08, 2016 |
| MIC4427YMM | May 15, 2016 |
| MIC4427YMM-TR | May 15, 2016 |
| MIC4427YM-TR | Apr 22, 2016 |
| MIC4427YN | May 15, 2016 |
| MIC4427ZM | May 16, 2016 |
| MIC4427ZM-TR | May 17, 2016 |
| MIC4427ZN | May 15, 2016 |
| MIC4428YM | May 15, 2016 |
| MIC4428YMM | May 15, 2016 |
| MIC4428YMM-TR | May 16, 2016 |
| MIC4428YM-TR | Apr 22, 2016 |
| MIC4428YN | May 15, 2016 |
| MIC4428ZM | May 15, 2016 |
| MIC4428ZM-TR | May 16, 2016 |
| MIC4428ZN | May 15, 2016 |
| MIC4429YM | May 15, 2016 |
| MIC4429YMM | May 15, 2016 |
| MIC4429YMM-TR | May 15, 2016 |
| MIC4429YM-TR | May 15, 2016 |

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Affected Catalog Part Numbers (CPN)

| PCN_JAON-20NMDY390 | |
|---------------------------|---|
| CATALOG_PART_NBR | Estimated First Ship Date (EFSD) |
| MIC4429YN | May 15, 2016 |
| MIC4429ZM | May 15, 2016 |
| MIC4429ZM-TR | May 15, 2016 |
| MIC4429ZN | May 15, 2016 |
| MIC4429ZT | May 15, 2016 |
| MIC4467CYP | May 15, 2016 |
| MIC4467YWM | May 15, 2016 |
| MIC4467YWM-TR | May 15, 2016 |
| MIC4467ZN | May 15, 2016 |
| MIC4467ZWM | May 15, 2016 |
| MIC4467ZWM-TR | May 15, 2016 |
| MIC4468CYP | May 15, 2016 |
| MIC4468YN | May 15, 2016 |
| MIC4468YWM | Apr 22, 2016 |
| MIC4468YWM-TR | May 15, 2016 |
| MIC4468ZN | May 15, 2016 |
| MIC4468ZWM | May 15, 2016 |
| MIC4468ZWM-TR | May 15, 2016 |
| MIC4469CYP | May 15, 2016 |
| MIC4469YN | May 15, 2016 |
| MIC4469YWM | May 15, 2016 |
| MIC4469YWM-TR | May 15, 2016 |
| MIC4469ZN | May 15, 2016 |
| MIC4469ZWM | May 15, 2016 |
| MIC4469ZWM-TR | May 15, 2016 |
| MIC5018YM4-TR | Apr 22, 2016 |
| MIC5019YFT-T5 | May 15, 2016 |
| MIC5019YFT-TR | Apr 22, 2016 |