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## Product Change Notification - JAON-11SIPZ900 (Printer Friendly)

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<b>Date:</b>	20 Jun 2016
<b>Product</b>	Analog (Thermal, Power Management & Safety);
<b>Category:</b>	Supertex
<b>Notification subject:</b>	CCB 1737.04 Intermediate Notice: Qualification of Microchip 8 inch Fabrication site for Micrel products manufactured with the BCDM Process Technology.
<b>Notification text:</b>	

**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 Microchip 8 inch Fabrication site for Micrel products manufactured with the BCDM Process Technology. This PCN is to inform you that qualification of the BCDM 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.

**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.

**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:**

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.

**Summary Time Table of notable events to date:**

	September 2015	--->	March 2016	April 2016
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WW	36	37	38	39	40		09	10	11	12	13	14	15	16	17
Initial PCN Issue Date	X														
Qual Report 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](#)**April 14, 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-11SIPZ900\\_Qual Report.pdf](#)  
[PCN\\_JAON-11SIPZ900\\_Affected\\_CPN.pdf](#)  
[PCN\\_JAON-11SIPZ900\\_Affected\\_CPN.xlsx](#)

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

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JAON-11SIPZ900 - CCB 1737.04 Intermediate Notice: Qualification of Microchip 8 inch Fabrication site for Micrel products manufactured with the BCDM Process Technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
835-5043-014
A103267-TR
LM2574-12YN
LM2574-3.3YN
LM2574-5.0YN
LM2574YN
LM2575-12WT
LM2575-12WU
LM2575-12WU-TR
LM2575-12YN
LM2575-12YWM
LM2575-12YWM-TR
LM2575-3.3WT
LM2575-3.3WU
LM2575-3.3WU-TR
LM2575-3.3YN
LM2575-3.3YWM
LM2575-3.3YWM-TR
LM2575-5.0WT
LM2575-5.0WT-L3
LM2575-5.0WU
LM2575-5.0WU-TR
LM2575-5.0YN
LM2575-5.0YWM
LM2575-5.0YWM-TR
LM2575WT
LM2575WU
LM2575WU-TR
LM2575YN
LM2575YWM
LM2575YWM-TR
LM2576-12WT
LM2576-12WU
LM2576-12WU-TR
LM2576-3.3WT
LM2576-3.3WU
LM2576-3.3WU-TR
LM2576-5.0WT
LM2576-5.0WU
LM2576-5.0WU-TR
LM2576WT
LM2576WT-L3
LM2576WU

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Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
LM2576WU-TR
LP2951-02YM
LP2951-02YM-TR
LP2951-02YN
LP2951-03YM
LP2951-03YM-TR
LP2951-03YN
MIC2171WT
MIC2171WU
MIC2171WU-TR
MIC2172YM
MIC2172YM-TR
MIC2172YN
MIC29150-12WT
MIC29150-12WU
MIC29150-12WU-TR
MIC29150-3.3WT
MIC29150-3.3WU
MIC29150-3.3WU-TR
MIC29150-5.0WT
MIC29150-5.0WU
MIC29150-5.0WU-TR
MIC29151-12WT
MIC29151-12WU
MIC29151-12WU-TR
MIC29151-3.3WT
MIC29151-3.3WT-L3
MIC29151-3.3WU
MIC29151-3.3WU-TR
MIC29151-5.0WT
MIC29151-5.0WU
MIC29151-5.0WU-TR
MIC29152WD-TR
MIC29152WT
MIC29152WT-L2
MIC29152WT-L3
MIC29152WU
MIC29152WU-TR
MIC29201-12WT
MIC29201-12WU
MIC29201-12WU-TR
MIC29201-3.3WT
MIC29201-3.3WU

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Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
MIC29201-3.3WU-TR
MIC29201-3.3YM
MIC29201-3.3YM-TR
MIC29201-4.8WT
MIC29201-4.8WU
MIC29201-4.8WU-TR
MIC29201-5.0WT
MIC29201-5.0WU
MIC29201-5.0WU-TR
MIC29202WT
MIC29202WT-L3
MIC29202WU
MIC29202WU-TR
MIC29203WU
MIC29203WU-TR
MIC29204YM
MIC29204YM-TR
MIC29204YN
MIC2920A-12WS
MIC2920A-12WS-TR
MIC2920A-12WT
MIC2920A-3.3WS
MIC2920A-3.3WS-TR
MIC2920A-3.3WT
MIC2920A-4.8WT
MIC2920A-5.0WS
MIC2920A-5.0WS-TR
MIC2920A-5.0WT
MIC29300-12WT
MIC29300-12WU
MIC29300-12WU-TR
MIC29300-3.3WT
MIC29300-3.3WU
MIC29300-3.3WU-TR
MIC29300-5.0WT
MIC29300-5.0WU
MIC29300-5.0WU-TR
MIC29301-12WT
MIC29301-12WU
MIC29301-12WU-TR
MIC29301-3.3WT
MIC29301-3.3WU
MIC29301-3.3WU-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
MIC29301-5.0WT
MIC29301-5.0WT-L2
MIC29301-5.0WU
MIC29301-5.0WU-TR
MIC29302AWD
MIC29302AWD-TR
MIC29302AWU
MIC29302AWU-TR
MIC29302HWU
MIC29302HWU-TR
MIC29302WT
MIC29302WT-L2
MIC29302WT-L3
MIC29302WU
MIC29302WU-TR
MIC29303WT
MIC29303WU
MIC29303WU-TR
MIC29310-3.3WT
MIC29310-3.3WU
MIC29310-3.3WU-TR
MIC29310-5.0WT
MIC29310-5.0WU
MIC29310-5.0WU-TR
MIC29311-5.1WT
MIC29312AWU
MIC29312AWU-TR
MIC29312WT
MIC29312WU
MIC29312WU-TR
MIC29371-12WT
MIC29371-12WU
MIC29371-12WU-TR
MIC29371-3.3WT
MIC29371-3.3WU
MIC29371-3.3WU-TR
MIC29371-5.0WT
MIC29371-5.0WT-L3
MIC29371-5.0WU
MIC29371-5.0WU-TR
MIC29372WT
MIC29372WU
MIC29372WU-TR



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Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
MIC2937A-12WT
MIC2937A-12WU
MIC2937A-12WU-TR
MIC2937A-3.3WT
MIC2937A-3.3WU
MIC2937A-3.3WU-TR
MIC2937A-5.0WT
MIC2937A-5.0WU
MIC2937A-5.0WU-TR
MIC2940A-12WT
MIC2940A-12WU
MIC2940A-12WU-TR
MIC2940A-3.3WT
MIC2940A-3.3WU
MIC2940A-3.3WU-TR
MIC2940A-5.0WT
MIC2940A-5.0WU
MIC2940A-5.0WU-TR
MIC2941AWT
MIC2941AWT-L2
MIC2941AWT-L3
MIC2941AWU
MIC2941AWU-TR
MIC29500-3.3WT
MIC29500-5.0WT
MIC29501-3.3WT
MIC29501-3.3WU
MIC29501-3.3WU-TR
MIC29501-5.0WT
MIC29501-5.0WU
MIC29501-5.0WU-TR
MIC29502WT
MIC29502WT-L2
MIC29502WT-L3
MIC29502WU
MIC29502WU-TR
MIC29503WT
MIC29503WU
MIC29503WU-TR
MIC2951-02YM
MIC2951-02YM-TR
MIC29510-3.3WT
MIC2951-03YM

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Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
MIC2951-03YMM
MIC2951-03YMM-TR
MIC2951-03YM-TR
MIC2951-03YN
MIC29510-5.0WT
MIC29512WT
MIC2951-3.3YM
MIC2951-3.3YMM
MIC2951-3.3YMM-TR
MIC2951-3.3YM-TR
MIC2951-4.8YM
MIC2951-4.8YM-TR
MIC2954-02WS
MIC2954-02WS-TR
MIC2954-02WT
MIC2954-03WS
MIC2954-03WS-TR
MIC2954-03WT
MIC2954-07YM
MIC2954-07YM-TR
MIC2954-08YM
MIC2954-08YM-TR
MIC29710-3.3WT
MIC29710-5.0WT
MIC29712WT
MIC29712WT-L2
MIC29751-3.3WWT
MIC29751-5.0WWT
MIC29752WWT
MIC2981/82YN
MIC2981/82YWM
MIC2981/82YWM-TR
MIC3172YM
MIC3172YM-TR
MIC3172YN
MIC35152WD
MIC35152WD-TR
MIC35302WD
MIC35302WD-TR
MIC37100-1.5WS
MIC37100-1.5WS-TR
MIC37100-1.65WS
MIC37100-1.65WS-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
MIC37100-1.8WS
MIC37100-1.8WS-TR
MIC37100-2.5WS
MIC37100-2.5WS-TR
MIC37100-3.3WS
MIC37100-3.3WS-TR
MIC37101-1.5YM
MIC37101-1.5YM-TR
MIC37101-1.65YM
MIC37101-1.65YM-TR
MIC37101-1.8YM
MIC37101-1.8YM-TR
MIC37101-2.1YM
MIC37101-2.1YM-TR
MIC37101-2.5YM
MIC37101-2.5YM-TR
MIC37101-3.3YM
MIC37101-3.3YM-TR
MIC37102WR
MIC37102WR-TR
MIC37102YM
MIC37102YM-TR
MIC37138-2.5YS
MIC37138-2.5YS-TR
MIC37150-1.5WR
MIC37150-1.5WR-TR
MIC37150-1.65WR
MIC37150-1.65WR-TR
MIC37150-1.8WR
MIC37150-1.8WR-TR
MIC37150-2.5WR
MIC37150-2.5WR-TR
MIC37150-3.3WR
MIC37150-3.3WR-TR
MIC37151-1.5WR
MIC37151-1.5WR-TR
MIC37151-1.65WR
MIC37151-1.65WR-TR
MIC37151-1.8WR
MIC37151-1.8WR-TR
MIC37151-2.5WR
MIC37151-2.5WR-TR
MIC37151-3.3WR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
MIC37151-3.3WR-TR
MIC37152WR
MIC37152WR-TR
MIC37152YM
MIC37152YM-TR
MIC37153YME-TR
MIC37252WR
MIC37252WR-TR
MIC37252WU
MIC37252WU-TR
MIC37300-1.5WR
MIC37300-1.5WR-TR
MIC37300-1.65WR
MIC37300-1.65WR-TR
MIC37300-1.8WR
MIC37300-1.8WR-TR
MIC37300-2.5WR
MIC37300-2.5WR-TR
MIC37300-3.3WR
MIC37300-3.3WR-TR
MIC37301-1.5WR
MIC37301-1.5WR-TR
MIC37301-1.5YME
MIC37301-1.5YME-TR
MIC37301-1.8WR
MIC37301-1.8WR-TR
MIC37301-1.8YME
MIC37301-1.8YME-TR
MIC37301-2.5WR
MIC37301-2.5WR-TR
MIC37301-2.5YME
MIC37301-2.5YME-TR
MIC37301-3.3WR
MIC37301-3.3WR-TR
MIC37302WR
MIC37302WR-TR
MIC37302WU
MIC37302WU-TR
MIC37303YME-TR
MIC37303YML-T5
MIC37303YML-TR
MIC37501-1.5WR
MIC37501-1.5WR-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
MIC37501-1.65WR
MIC37501-1.65WR-TR
MIC37501-1.8WR
MIC37501-1.8WR-TR
MIC37501-2.5WR
MIC37501-2.5WR-TR
MIC37501-3.3WR
MIC37501-3.3WR-TR
MIC37502WR
MIC37502WR-TR
MIC37502WU
MIC37502WU-TR
MIC3775-1.5YMM
MIC3775-1.5YMM-TR
MIC3775-1.65YMM
MIC3775-1.65YMM-TR
MIC3775-1.8YMM
MIC3775-1.8YMM-TR
MIC3775-2.5YMM
MIC3775-2.5YMM-TR
MIC3775-3.0YMM
MIC3775-3.0YMM-TR
MIC3775-3.3YMM
MIC3775-3.3YMM-TR
MIC3775YMM
MIC3775YMM-TR
MIC38C43XYM
MIC38C43XYM-TR
MIC38HC42-1YM
MIC38HC42-1YM-TR
MIC38HC42-1YN
MIC38HC42YM
MIC38HC42YM-TR
MIC38HC42YN
MIC38HC43-1YM
MIC38HC43-1YM-TR
MIC38HC43-1YN
MIC38HC43CYP
MIC38HC43YM
MIC38HC43YM-TR
MIC38HC43YN
MIC38HC44-1YM
MIC38HC44-1YM-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
MIC38HC44-1YN
MIC38HC44YM
MIC38HC44YM-TR
MIC38HC44YN
MIC38HC45-1YM
MIC38HC45-1YM-TR
MIC38HC45-1YN
MIC38HC45YM
MIC38HC45YM-TR
MIC38HC45YN
MIC39100-1.8WS
MIC39100-1.8WS-TR
MIC39100-2.5WS
MIC39100-2.5WS-TR
MIC39100-3.3WS
MIC39100-3.3WS-TR
MIC39100-5.0WS
MIC39100-5.0WS-TR
MIC39101-1.8YM
MIC39101-1.8YM-TR
MIC39101-2.5YM
MIC39101-2.5YM-TR
MIC39101-3.3YM
MIC39101-3.3YM-TR
MIC39101-5.0YM
MIC39101-5.0YM-TR
MIC39102YM
MIC39102YM-TR
MIC39150-1.65WT
MIC39150-1.65WU
MIC39150-1.65WU-TR
MIC39150-1.8WT
MIC39150-1.8WU
MIC39150-1.8WU-TR
MIC39150-2.5WT
MIC39150-2.5WU
MIC39150-2.5WU-TR
MIC39151-1.65WT
MIC39151-1.65WU
MIC39151-1.65WU-TR
MIC39151-1.8WT
MIC39151-1.8WU
MIC39151-1.8WU-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
MIC39151-2.5WT
MIC39151-2.5WU
MIC39151-2.5WU-TR
MIC39152WD
MIC39152WD-TR
MIC39152WU
MIC39152WU-TR
MIC39300-1.8WT
MIC39300-1.8WU
MIC39300-1.8WU-TR
MIC39300-2.5WT
MIC39300-2.5WU
MIC39300-2.5WU-TR
MIC39301-1.8WT
MIC39301-1.8WU
MIC39301-1.8WU-TR
MIC39301-2.5WT
MIC39301-2.5WU
MIC39301-2.5WU-TR
MIC39302WU
MIC39302WU-TR
MIC39500-1.8WT
MIC39500-1.8WU
MIC39500-1.8WU-TR
MIC39500-2.5WT
MIC39500-2.5WU
MIC39500-2.5WU-TR
MIC39501-1.8WT
MIC39501-1.8WU
MIC39501-1.8WU-TR
MIC39501-2.5WT
MIC39501-2.5WU
MIC39501-2.5WU-TR
MIC3975-1.65YMM
MIC3975-1.65YMM-TR
MIC3975-1.8YMM
MIC3975-1.8YMM-TR
MIC3975-2.5YMM
MIC3975-2.5YMM-TR
MIC3975-3.0YMM
MIC3975-3.0YMM-TR
MIC3975-3.3YMM
MIC3975-3.3YMM-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
MIC3975-5.0YMM
MIC3975-5.0YMM-TR
MIC3975YMM
MIC3975YMM-TR
MIC4574-3.3YN
MIC4574-5.0YN
MIC4574YN
MIC4575-3.3WT
MIC4575-3.3WU
MIC4575-3.3WU-TR
MIC4575-5.0WT
MIC4575-5.0WU
MIC4575-5.0WU-TR
MIC4575WT
MIC4575WU
MIC4575WU-TR
MIC4576-3.3WT
MIC4576-3.3WU
MIC4576-3.3WU-TR
MIC4576-5.0WT
MIC4576-5.0WU
MIC4576-5.0WU-TR
MIC4576WT
MIC4576WT-L2
MIC4576WT-L3
MIC4576WU
MIC4576WU-TR
MIC5014CYP
MIC5014YM
MIC5014YM-TR
MIC5014YN
MIC5015YM
MIC5015YM-TR
MIC5015YN
MIC5020CYP
MIC5020YM
MIC5020YM-TR
MIC5021CYP
MIC5021YM
MIC5021YM-TR
MIC5021YN
MIC5060YML-TR
MIC5156-3.3YM



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Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
MIC5156-3.3YM-TR
MIC5156-3.3YN
MIC5156-5.0YM
MIC5156-5.0YM-TR
MIC5156-5.0YN
MIC5156YM
MIC5156YM-TR
MIC5156YN
MIC5157YM
MIC5157YM-TR
MIC5157YN
MIC5158CYP
MIC5158YM
MIC5158YM-TR
MIC5158YN
MIC5200-3.0YM
MIC5200-3.0YM-TR
MIC5200-3.0YS
MIC5200-3.0YS-TR
MIC5200-3.3YM
MIC5200-3.3YMM
MIC5200-3.3YMM-TR
MIC5200-3.3YM-TR
MIC5200-3.3YS
MIC5200-3.3YS-TR
MIC5200-4.8YM
MIC5200-4.8YM-TR
MIC5200-4.8YS
MIC5200-4.8YS-TR
MIC5200-5.0YM
MIC5200-5.0YMM
MIC5200-5.0YMM-TR
MIC5200-5.0YM-TR
MIC5200-5.0YS
MIC5200-5.0YS-TR
MIC5201-3.0YM
MIC5201-3.0YMM
MIC5201-3.0YMM-TR
MIC5201-3.0YM-TR
MIC5201-3.0YS
MIC5201-3.0YS-TR
MIC5201-3.3YM
MIC5201-3.3YM-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
MIC5201-3.3YS
MIC5201-3.3YS-TR
MIC5201-4.8YM
MIC5201-4.8YM-TR
MIC5201-4.8YS
MIC5201-4.8YS-TR
MIC5201-5.0YM
MIC5201-5.0YM-TR
MIC5201-5.0YS
MIC5201-5.0YS-TR
MIC5202-3.0YM
MIC5202-3.0YM-TR
MIC5202-3.3YM
MIC5202-3.3YM-TR
MIC5202-4.8YM
MIC5202-4.8YM-TR
MIC5202-5.0YM
MIC5202-5.0YM-TR
MIC5800YM
MIC5800YM-TR
MIC5800YN
MIC5801BWM
MIC5801BWM-TR
MIC5801YV
MIC5801YV-TR
MIC5801YWM
MIC5801YWM-TR
MIC5821YN
MIC5822YN
MIC5841YN
MIC5841YV
MIC5841YV-TR
MIC5841YWM
MIC5841YWM-TR
MIC5842YN
MIC5842YV
MIC5842YV-TR
MIC5842YWM
MIC5842YWM-TR
MIC58P01YV
MIC58P01YV-TR
MIC58P01YWM
MIC58P01YWM-TR

JAON-11SIPZ900 - CCB 1737.04 Intermediate Notice: Qualification of Microchip 8 inch Fabrication site for Micrel products manufactured with the BCDM Process Technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-11SIPZ900
CATALOG_PART_NBR
MIC58P42YN
MIC58P42YWM
MIC58P42YWM-TR
MIC59P50BWM-TR
MIC59P50YN
MIC59P50YV
MIC59P50YV-TR
MIC59P50YWM
MIC59P50YWM-TR
MIC59P60YN
MIC59P60YWM
MIC59P60YWM-TR
SPN020124W
SPN020124W-TR
SPN020141G
SPN020141G-TR
SPN020187Y
SPN020187Y-TR
SPN020188Y
SPN020188Y-TR
SPN030026Y-TR
SPN030044Y-TR



**MICROCHIP**

**QUALIFICATION REPORT**  
RELIABILITY LABORATORY

**PCN #: JAON-11SIPZ900**

**Date**  
**March 24, 2016**

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

PART NUMBER / MASK	PACKAGE TYPE	ASSEMBLY LOCATION	WAFER SIZE	PROCESS NAME
MIC29302WU / 20801	TO263-5L	GTBF,CHINA	8"	BCDM

### DIE QUALIFICATION RESULTS

TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	168 HR Rej/ss	1000 HR Rej/ss	COMMENTS
<b>HTOL</b> High Temperature Operating Life Test	JESD22, Method 108	1543P	V21618566.000MQB	0/77	0/77	
	TA= + 125°C	1543P	V21618566.100MQA	0/77	0/77	
	VCC = +26V	1543P	V21618566.111MQA	0/77	0/77	

### ELECTROSTATIC DISCHARGE

TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	STRESS	RESULT Rej/ss	COMMENTS
<b>ESD-HBM</b> Human Body Model ATE Test @ Room +25C	R= 1500 Ohms C= 100 pF 1X +/- Voltage	1543P	V21618566.000MQB	+/-500V	0/3	Note: ESD ratings are device specific. All Products qualified on the 8" Micrel process technologies will have the same or better ESD and Latch-up performance as the 6" San Jose Products.
<b>ESD-CDM</b> Charged Device Model ATE Test @ Room +25C	JESD22-C101 1X +/- Voltage	1543P	V21618566.000MQB	+/-1500V	0/3	

TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	STRESS	RESULT Rej/ss	COMMENTS
<b>LATCH-UP</b>	JESD-78 TA = +25°C	1543P	V21618566.000MQB	I/O LU O/V LU	0/6 0/6	LU Same as 6" process

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**PACKAGE QUALIFICATION RESULTS**

TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	Rej/ss	COMMENTS	
Level 3 Pre-conditioning Flow	JESD22-A113	1543P	V21618566.000MQB	0/321		
		1543P	V21618566.100MQA	0/143		
		1543P	V21618566.111MQA	0/143		
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	96 HR Rej/ss	COMMENTS	
PRESSURE POT With Level 3 Pre- conditioning Tpeak + 260°C 3X Reflow	JESD22-A102  Ta = +121°C/100%RH  15 PSIG	1543P	V21618566.000MQB	0/45		
		1543P	V21618566.100MQA	0/45		
		1543P	V21618566.111MQA	0/45		
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	96 HR Rej/ss	COMMENTS	
HAST With Level 3 Pre- conditioning Tpeak + 260°C 3X Reflow	JESD22-A110 (BIASED)  Ta= +130°C/85%RH  VCC = +26V	1543P	V21618566.000MQB	0/45		
		1543P	V21618566.100MQA	0/45		
		1543P	V21618566.111MQA	0/45		
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	500 CY Rej/ss	COMMENTS	
TEMP CYCLE With Level 3 Pre- conditioning Tpeak + 260°C 3X Reflow	JESD22-A104  Ta = -65°C / +150°C	1543P	V21618566.000MQB	0/45		
		1543P	V21618566.100MQA	0/45		
		1543P	V21618566.111MQA	0/45		
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	1000 HR Rej/ss	COMMENTS	
HTSL High Temperature Storage Life Tpeak + 260°C 3X Reflow	JESD22-A103  Ta = +150°C	1543P	V21618566.000MQB	0/76		
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	500 HR Rej/ss	1000 HR Rej/ss	COMMENTS
HTSL High Temperature Storage Life Tpeak + 260°C 3X Reflow	JESD22-A103  Ta = +175°C	1543P	V21618566.000MQB	0/76	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.				