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## Product Change Notification - JAON-31GTPQ691 [\(Printer Friendly\)](#)

<b>Date:</b>	22 Feb 2017
<b>Product Category:</b>	Power Management - System Supervisors/Voltage Detectors; Power Management - Power Switches; Switching Regulators; Power Management - PMIC; General Purpose LED Drivers; Power Management - Power Modules; Linear Regulators; Power Management - Terminators
<b>Notification subject:</b>	CCB 2837 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the CSI05 process technology.
<b>Notification text:</b>	<b>PCN Status:</b> 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 CSI05 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 (CSI05) 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 6 inch Colorado Springs and Microchip 8 inch locations will both be qualified to fabricate CSI05 products.

### Pre and Post Change Summary:

		Post Change
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	<b>Pre Change</b>		
Fabrication Location	Micrel Fabrication Site (San Jose, CA, USA)	Atmel Fabrication site FAB 5 (Colorado Springs, CO USA)	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 (S) 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:**

	February 2016				->	April 2017				May 2017 onwards
Workweek	05	06	07	08	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:**

**February 8, 2017:** Issued initial notification.

**February 22, 2017:** Re-issued initial notification to update the Pre and Post Change summary table.

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\\_Atmel FAB Transfer\\_CSI 05.pdf](#)  
[PCN\\_JAON-31GTPQ691\\_Qual\\_Plan.pdf](#)  
[PCN\\_JAON-31GTPQ691\\_Affected\\_CPN.pdf](#)  
[PCN\\_JAON-31GTPQ691\\_Affected\\_CPN.xls](#)

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

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC1810-10UY-TR
MIC1810-15UY-TR
MIC1810-5UY-TR
MIC1815-10UY-TR
MIC1815-20UY-TR
MIC2003-0.5YM5-TR
MIC2003-0.5YML-TR
MIC2003-0.8YM5-TR
MIC2003-0.8YML-TR
MIC2003-1.2YM5-TR
MIC2003-1.2YML-TR
MIC2004-0.5YM5-TR
MIC2004-0.5YML-TR
MIC2004-0.8YM5-TR
MIC2004-0.8YML-TR
MIC2004-1.2YM5-TR
MIC2004-1.2YML-TR
MIC2005-0.5LYM5-TR
MIC2005-0.5YM6-TR
MIC2005-0.5YML-TR
MIC2005-0.8LYM5-TR
MIC2005-0.8YM6-TR
MIC2005-0.8YML-TR
MIC2005-1.2LYM5-TR
MIC2005-1.2YM6-TR
MIC2005-1.2YML-TR
MIC2005A-1YM5-TR
MIC2005A-1YM6-TR
MIC2005A-2YM5-TR
MIC2005A-2YM6-TR
MIC2005M-0.5YM6-TR
MIC2006-0.5YM6-TR
MIC2006-0.5YML-TR
MIC2006-0.8YM6-TR
MIC2006-0.8YML-TR
MIC2006-1.2YM6-TR
MIC2006-1.2YML-TR
MIC2007YM6-TR
MIC2007YML-TR
MIC2008YM6-TR
MIC2008YML-TR
MIC2009A-1YM6-TR
MIC2009A-2YM6-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC2009YM6-TR
MIC2009YML-TR
MIC2013-0.5YM5-TR
MIC2013-0.5YML-TR
MIC2013-0.8YM5-TR
MIC2013-0.8YML-TR
MIC2013-1.2YM5-TR
MIC2013-1.2YML-TR
MIC2014-0.5YM5-TR
MIC2014-0.5YML-TR
MIC2014-0.8YM5-TR
MIC2014-0.8YML-TR
MIC2014-1.2YM5-TR
MIC2014-1.2YML-TR
MIC2015-0.5YM6-TR
MIC2015-0.5YML-TR
MIC2015-0.8YM6-TR
MIC2015-0.8YML-TR
MIC2015-1.2YM6-TR
MIC2015-1.2YML-TR
MIC2016-0.5YM6-TR
MIC2016-0.5YML-TR
MIC2016-0.8YM6-TR
MIC2016-0.8YML-TR
MIC2016-1.2YM6-TR
MIC2016-1.2YML-TR
MIC2017YM6-TR
MIC2017YML-TR
MIC2018YM6-TR
MIC2018YML-TR
MIC2019A-1YM6-TR
MIC2019A-2YM6-TR
MIC2019YM6-TR
MIC2019YML-TR
MIC2090-1YM5-TR
MIC2090-2YM5-TR
MIC2091-1YM5-TR
MIC2091-2YM5-TR
MIC2095-1YMT-TR
MIC2095-2YMT-TR
MIC2097-1YMT-TR
MIC2097-2YMT-TR
MIC2098-1YMT-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC2098-2YMT-TR
MIC2099-1YMT-TR
MIC2099-2YMT-TR
MIC2205-1.38YML-TR
MIC2205-1.3YML-TR
MIC2205-1.58YML-TR
MIC2205-1.5YML-TR
MIC2205-1.85YML-TR
MIC2205-1.8YML-TR
MIC2205YML-TR
MIC2206-1.2YML-TR
MIC2206-1.8YML-TR
MIC2206-83YML-TR
MIC2206-91YML-TR
MIC2207YML-TR
MIC2208YML-TR
MIC22200YML-TR
MIC22205YML-TR
MIC2224YML-TR
MIC2225-4KYMT-TR
MIC2225-4MYMT-TR
MIC2225-4OYMT-TR
MIC2225-4SYMT-TR
MIC2225-G4YMT-TR
MIC2225-GFYMT-TR
MIC2225-GJYMT-TR
MIC2225-GMYMT-TR
MIC22400YML-TR
MIC22400YTSE
MIC22400YTSE-TR
MIC22405YML-TR
MIC2245YML-TR
MIC22600YML-TR
MIC22600YTSE
MIC22600YTSE-TR
MIC22601YML-TR
MIC22602YML-TR
MIC22700YML-TR
MIC22705YML-TR
MIC2285AYMT-TR
MIC2285YML-TR
MIC22950YML-TR
MIC23030-4YMT-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC23030-AYMT-TR
MIC23030-CYMT-TR
MIC23030-FYMT-TR
MIC23030-GYMT-TR
MIC23031-4YMT-TR
MIC23031-AYMT-TR
MIC23031-CYMT-TR
MIC23031-FYMT-TR
MIC23031-GYMT-TR
MIC23050-4YML-TR
MIC23050-CYML-TR
MIC23050-GYML-TR
MIC23050-SYML-TR
MIC23051-16YML-TR
MIC23051-945YML-TR
MIC23051-C4YML-TR
MIC23051-CGYML-TR
MIC23060-G4YMT-TR
MIC23150-4YMT-TR
MIC23150-55YMT-TR
MIC23150-CYMT-TR
MIC23150-GYMT-TR
MIC23150-SYMT-TR
MIC23153-GYMT-TR
MIC23153YMT-TR
MIC23155-GYMT-TR
MIC23155YMT-TR
MIC23156-0YCS-TR
MIC23156-0YML-T5
MIC23156-0YML-TR
MIC23156-2YCS-TR
MIC23156-2YML-T5
MIC23156-2YML-TR
MIC23158YML-T5
MIC23158YML-TR
MIC23159YML-T5
MIC23159YML-TR
MIC23201YML-T5
MIC23201YML-TR
MIC23250-AAYMT-TR
MIC23250-F4YMT-TR
MIC23250-G4YMT-TR
MIC23250-M4YMT-TR



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PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC23250-S4YMT-TR
MIC23250-SKYMT-TR
MIC23250-W4YMT-TR
MIC23254-GCYMT-TR
MIC23303YML-T5
MIC23303YML-TR
MIC23450-AAAYML-T5
MIC23450-AAAYML-TR
MIC23451-AAAYFL-T5
MIC23451-AAAYFL-TR
MIC23603YML-T5
MIC23603YML-TR
MIC2550AYML25-TR
MIC2550AYML-TR
MIC2550AYTS
MIC2550AYTS-TR
MIC2550YML-TR
MIC2550YTS
MIC2550YTS-TR
MIC2551AYML25-TR
MIC2551AYML-TR
MIC2551AYTS
MIC2551AYTS-TR
MIC2551YML-TR
MIC2551YTS
MIC2551YTS-TR
MIC2555-0YML-TR
MIC2555-1YML-TR
MIC2569YQS
MIC2569YQS-TR
MIC2772-L2L3YML-TR
MIC2772-L3L3YML-TR
MIC2772-L3T3YML-TR
MIC2772-M2M3YML-TR
MIC2772-M3M3YML-TR
MIC2772-M3S3YML-TR
MIC2772-S2S3YML-TR
MIC2772-S3S3YML-TR
MIC2772-T2T3YML-TR
MIC2772-T3T3YML-TR
MIC2800-A4SYML-TR
MIC2800-D24MYML-TR
MIC2800-D2FMYML-TR

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PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC2800-G4JYML-TR
MIC2800-G4KYML-TR
MIC2800-G4MYML-TR
MIC2800-G4SYML-TR
MIC2800-G7SYML-TR
MIC2800-GFMYML-TR
MIC2800-GFSYML-TR
MIC2807-JJYML-TR
MIC2807-MMYML-TR
MIC2807-NNYML-TR
MIC2807-OOYML-TR
MIC2808-NNYFT-TR
MIC2810-1JGMYML-TR
MIC2810-44MYML-TR
MIC2810-4GKYML-TR
MIC2810-4GMYML-TR
MIC2810-4GPYML-TR
MIC2810-4GSYML-TR
MIC2810-4LSYML-TR
MIC2810-4MSYML-TR
MIC2810-CGJYML-TR
MIC2810-FGSYML-TR
MIC2811-4GJLYML-TR
MIC2811-4GMSYML-TR
MIC2821-4GJLYML-TR
MIC2821-4GMSYML-TR
MIC2826-AOYMT-TR
MIC2826-D9YMT-TR
MIC2827-B2YMT-TR
MIC2827-E1YMT-TR
MIC2841AYMT-TR
MIC2842AYMT-TR
MIC2843AYMT-TR
MIC2843YMT-TR
MIC2844AYMT-TR
MIC2845A-MFYMT-TR
MIC2845A-MGYMT-TR
MIC2845A-PGYMT-TR
MIC2845A-PPYMT-TR
MIC2845A-SCYMT-TR
MIC2846A-MFYMT-TR
MIC2846A-MGYMT-TR
MIC2846A-PGYMT-TR

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PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC2846A-PPYMT-TR
MIC2846A-SCYMT-TR
MIC2860-2DYC6-TR
MIC2860-2DYD6-TR
MIC2860-2PYC6-TR
MIC2860-2PYD6-TR
MIC33030-4YHJ-TR
MIC33030-AYHJ-TR
MIC33030-GYHJ-T5
MIC33030-GYHJ-TR
MIC33030-JYHJ-TR
MIC33050-4YHL-TR
MIC33050-AYHL-T5
MIC33050-AYHL-TR
MIC33050-CYHL-TR
MIC33050-GYHL-TR
MIC33050-SYHL-TR
MIC33153-4YHJ-TR
MIC33153YHJ-TR
MIC3385-1.5YHL-TR
MIC3385YHL-TR
MIC4555YML-TR
MIC47050-1.2YML-TR
MIC47050-1.8YML-TR
MIC47050YML-TR
MIC47050YMT-TR
MIC47053YMT-T5
MIC47053YMT-TR
MIC47100-0.8YML-TR
MIC47100-08YMME
MIC47100-08YMME-TR
MIC47100-1.0YML-TR
MIC47100-1.2YML-TR
MIC47100-10YMME
MIC47100-10YMME-TR
MIC47100-12YMME
MIC47100-12YMME-TR
MIC47100YML-TR
MIC47100YMME
MIC47100YMME-TR
MIC4720YML-TR
MIC4720YMME
MIC4720YMME-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC4721YMM
MIC4721YMM-TR
MIC4722YML-TR
MIC4723YML-TR
MIC4723YMME
MIC4723YMME-TR
MIC4724YMME
MIC4724YMME-TR
MIC4742YML-TR
MIC4742YTSE
MIC4742YTSE-TR
MIC4744YML-TR
MIC4744YTSE
MIC4744YTSE-TR
MIC4782YML-TR
MIC4801YM
MIC4801YM-TR
MIC4802YME
MIC4802YME-TR
MIC4811YMM
MIC4811YMM-TR
MIC4812YMME
MIC4812YMME-TR
MIC5166YML-TR
MIC5167YML-TR
MIC5301-1.3YD5-TR
MIC5301-1.3YMT-TR
MIC5301-1.5YD5-TR
MIC5301-1.5YD5-TX
MIC5301-1.5YMT-TR
MIC5301-1.8YD5-TR
MIC5301-1.8YD5-TX
MIC5301-1.8YMT-TR
MIC5301-2.1YD5-TR
MIC5301-2.1YD5-TX
MIC5301-2.1YMT-TR
MIC5301-2.5YD5-TR
MIC5301-2.5YMT-TR
MIC5301-2.6YD5-TR
MIC5301-2.6YMT-TR
MIC5301-2.85YD5-TR
MIC5301-2.85YD5-TX
MIC5301-2.85YML-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5301-2.85YMT-TR
MIC5301-2.8YD5-TR
MIC5301-2.8YD5-TX
MIC5301-2.8YMT-TR
MIC5301-2.9YD5-TR
MIC5301-2.9YD5-TX
MIC5301-2.9YMT-TR
MIC5301-3.0YD5-TR
MIC5301-3.0YD5-TX
MIC5301-3.0YMT-TR
MIC5301-3.3YD5-TR
MIC5301-3.3YD5-TX
MIC5301-3.3YMT-TR
MIC5301-4.6YD5-TR
MIC5301-4.6YD5-TX
MIC5301-4.6YMT-TR
MIC5301YD5-TR
MIC5301YD5-TX
MIC5301YML-TR
MIC5301YMT-TR
MIC5302-1.3YMT-TR
MIC5302-1.5YMT-TR
MIC5302-1.8YMT-TR
MIC5302-2.1YMT-TR
MIC5302-2.5YMT-TR
MIC5302-2.6YMT-TR
MIC5302-2.85YMT-TR
MIC5302-2.8YMT-TR
MIC5302-2.9YMT-TR
MIC5302-3.0YMT-TR
MIC5302-3.3YMT-TR
MIC5302-4.6YMT-TR
MIC5303-1.3YMT-TR
MIC5303-1.5YMT-TR
MIC5303-1.8YMT-TR
MIC5303-2.1YMT-TR
MIC5303-2.5YMT-TR
MIC5303-2.6YMT-TR
MIC5303-2.85YMT-TR
MIC5303-2.8YMT-TR
MIC5303-2.9YMT-TR
MIC5303-3.0YMT-TR
MIC5303-3.3YMT-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5303-4.6YMT-TR
MIC5304-RGYMT-TR
MIC5304-XDYMT-TR
MIC5304-XGHYMT-TR
MIC5305-1.5YD5-TR
MIC5305-1.5YD5-TX
MIC5305-1.5YML-TR
MIC5305-1.8YD5-TR
MIC5305-1.8YD5-TX
MIC5305-1.8YML-TR
MIC5305-2.0YML-TR
MIC5305-2.5YD5-TR
MIC5305-2.5YD5-TX
MIC5305-2.5YML-TR
MIC5305-2.6YD5-TR
MIC5305-2.6YD5-TX
MIC5305-2.6YML-TR
MIC5305-2.7YD5-TR
MIC5305-2.7YD5-TX
MIC5305-2.7YML-TR
MIC5305-2.85YD5-TR
MIC5305-2.85YD5-TX
MIC5305-2.85YML-TR
MIC5305-2.8YD5-TR
MIC5305-2.8YD5-TX
MIC5305-2.8YML-TR
MIC5305-2.8YMT-TR
MIC5305-2.9YD5-TR
MIC5305-2.9YD5-TX
MIC5305-2.9YML-TR
MIC5305-3.0YD5-TR
MIC5305-3.0YD5-TX
MIC5305-3.0YML-TR
MIC5305-3.3YD5-TR
MIC5305-3.3YD5-TX
MIC5305-3.3YML-TR
MIC5305-4.6YML-TR
MIC5305-4.6YMT-TR
MIC5305-4.75YD5-TR
MIC5305-4.75YD5-TX
MIC5305-4.75YML-TR
MIC5305YML-TR
MIC5306-1.5YD5-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5306-1.8YD5-TR
MIC5306-1.8YD5-TX
MIC5306-2.5YD5-TR
MIC5306-2.5YD5-TX
MIC5306-2.6YD5-TR
MIC5306-2.8YD5-TR
MIC5306-3.0YD5-TR
MIC5306-3.0YD5-TX
MIC5306-3.1YD5-TR
MIC5307-1.5YD5-TR
MIC5307-1.5YD5-TX
MIC5307-1.8YD5-TR
MIC5307-1.8YD5-TX
MIC5307-2.8YD5-TR
MIC5307-2.8YD5-TX
MIC5307-3.0YD5-TR
MIC5307-3.0YD5-TX
MIC5308-1.2YD6-TR
MIC5308-1.2YMT-TR
MIC5308-1.5YD6-TR
MIC5308-1.5YMT-TR
MIC5308-1.8YD6-TR
MIC5308-1.8YMT-TR
MIC5308YD6-TR
MIC5308YMT-TR
MIC5309-1.2YD6-TR
MIC5309-1.2YMT-TR
MIC5309-1.5YD6-TR
MIC5309-1.5YMT-TR
MIC5309-1.8YD6-TR
MIC5309-1.8YMT-TR
MIC5309YD6-TR
MIC5309YMT-TR
MIC5310-GFYML-TR
MIC5310-GGYML-TR
MIC5310-GWYML-TR
MIC5310-JGYML-TR
MIC5310-JJYML-TR
MIC5310-KDYML-TR
MIC5310-KGYML-TR
MIC5310-LLYML-TR
MIC5310-MFYML-TR
MIC5310-MGYML-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5310-MGYMT-TR
MIC5310-MKYML-TR
MIC5310-MMYML-TR
MIC5310-NDYML-TR
MIC5310-NKYML-TR
MIC5310-NNYML-TR
MIC5310-OFYML-TR
MIC5310-OGYML-TR
MIC5310-OOYML-TR
MIC5310-PGYML-TR
MIC5310-PJYML-TR
MIC5310-PKYML-TR
MIC5310-PMYML-TR
MIC5310-PNYML-TR
MIC5310-PPYML-TR
MIC5310-SFYML-TR
MIC5310-SGYML-TR
MIC5310-SJYML-TR
MIC5310-SKYML-TR
MIC5310-SMYML-TR
MIC5310-SNYML-TR
MIC5310-SOYML-TR
MIC5310-SPYML-TR
MIC5310-SRYML-TR
MIC5310-SSYML-TR
MIC5311-DKYML-TR
MIC5311-GMYML-TR
MIC5311-NLYML-TR
MIC5311-NNYML-TR
MIC5312-DKYML-TR
MIC5312-GMYML-TR
MIC5312-GPYML-TR
MIC5312-MMYML-TR
MIC5312-NNYML-TR
MIC5313-F3YMT-TR
MIC5313-F4YMT-TR
MIC5313-F5YMT-TR
MIC5313-F6YMT-TR
MIC5313-FCYMT-TR
MIC5313-FFYMT-TR
MIC5313-G4YMT-TR
MIC5313-GGYMT-TR
MIC5314-F3YMT-TR



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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5314-F4YMT-TR
MIC5314-F5YMT-TR
MIC5314-F6YMT-TR
MIC5314-FCYMT-TR
MIC5314-FFYMT-TR
MIC5314-G4YMT-TR
MIC5314-GGYMT-TR
MIC5315-F4CYMT-TR
MIC5315-F5CYMT-TR
MIC5315-GGCYMT-TR
MIC5315-GW3YMT-TR
MIC5316-F4CYMT-TR
MIC5316-F5CYMT-TR
MIC5316-GGCYMT-TR
MIC5316-GW3YMT-TR
MIC5317-1.0YD5-T5
MIC5317-1.0YD5-TR
MIC5317-1.0YM5-T5
MIC5317-1.0YM5-TR
MIC5317-1.0YMT-T5
MIC5317-1.0YMT-TR
MIC5317-1.0YMT-TZ
MIC5317-1.2YD5-T5
MIC5317-1.2YD5-TR
MIC5317-1.2YM5-T5
MIC5317-1.2YM5-TR
MIC5317-1.2YMT-T5
MIC5317-1.2YMT-TR
MIC5317-1.2YMT-TZ
MIC5317-1.5YD5-T5
MIC5317-1.5YD5-TR
MIC5317-1.5YM5-T5
MIC5317-1.5YM5-TR
MIC5317-1.5YMT-T5
MIC5317-1.5YMT-TR
MIC5317-1.5YMT-TZ
MIC5317-1.8YD5-T5
MIC5317-1.8YD5-TR
MIC5317-1.8YM5-T5
MIC5317-1.8YM5-TR
MIC5317-1.8YMT-T5
MIC5317-1.8YMT-TR
MIC5317-1.8YMT-TZ

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5317-2.5YD5-T5
MIC5317-2.5YD5-TR
MIC5317-2.5YM5-T5
MIC5317-2.5YM5-TR
MIC5317-2.5YMT-T5
MIC5317-2.5YMT-TR
MIC5317-2.5YMT-TZ
MIC5317-2.8YD5-T5
MIC5317-2.8YD5-TR
MIC5317-2.8YM5-T5
MIC5317-2.8YM5-TR
MIC5317-2.8YMT-T5
MIC5317-2.8YMT-TR
MIC5317-2.8YMT-TZ
MIC5317-3.0YD5-T5
MIC5317-3.0YD5-TR
MIC5317-3.0YM5-T5
MIC5317-3.0YM5-TR
MIC5317-3.0YMT-T5
MIC5317-3.0YMT-TR
MIC5317-3.0YMT-TZ
MIC5317-3.3YD5-T5
MIC5317-3.3YD5-TR
MIC5317-3.3YM5-T5
MIC5317-3.3YM5-TR
MIC5317-3.3YMT-T5
MIC5317-3.3YMT-TR
MIC5317-3.3YMT-TZ
MIC5318-1.3YD5-TR
MIC5318-1.3YMT-TR
MIC5318-1.5YD5-TR
MIC5318-1.5YD5-TX
MIC5318-1.5YMT-TR
MIC5318-1.8YD5-TR
MIC5318-1.8YD5-TX
MIC5318-1.8YMT-TR
MIC5318-2.1YD5-TR
MIC5318-2.1YMT-TR
MIC5318-2.5YD5-TR
MIC5318-2.5YD5-TX
MIC5318-2.5YMT-TR
MIC5318-2.6YD5-TR
MIC5318-2.6YMT-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5318-2.85YD5-TR
MIC5318-2.85YD5-TX
MIC5318-2.8YD5-TR
MIC5318-2.8YD5-TX
MIC5318-2.8YMT-TR
MIC5318-2.9YD5-TR
MIC5318-2.9YMT-TR
MIC5318-3.0YD5-TR
MIC5318-3.0YD5-TX
MIC5318-3.0YMT-TR
MIC5318-3.3YD5-TR
MIC5318-3.3YD5-TX
MIC5318-3.3YMT-TR
MIC5318-4.6YD5-TR
MIC5318-4.6YMT-TR
MIC5318YD5-TR
MIC5318YD5-TX
MIC5318YMT-TR
MIC5319-1.3HYD5-TR
MIC5319-1.3HYML-TR
MIC5319-1.85YD5-TR
MIC5319-1.85YD5-TX
MIC5319-1.85YML-TR
MIC5319-1.8YD5-TR
MIC5319-1.8YD5-TX
MIC5319-1.8YML-TR
MIC5319-2.5YD5-TR
MIC5319-2.5YD5-TX
MIC5319-2.5YML-TR
MIC5319-2.6YD5-TR
MIC5319-2.6YD5-TX
MIC5319-2.6YML-TR
MIC5319-2.7YD5-TR
MIC5319-2.7YML-TR
MIC5319-2.85YML-TR
MIC5319-2.8YD5-TR
MIC5319-2.8YML-TR
MIC5319-2.9YML-TR
MIC5319-3.0YD5-TR
MIC5319-3.0YML-TR
MIC5319-3.3YD5-TR
MIC5319-3.3YML-TR
MIC5319-5.0YD5-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5319-5.0YML-TR
MIC5319YML-TR
MIC5320-46MYMT-TR
MIC5320-GFYD6-TR
MIC5320-GFYD6-TX
MIC5320-GFYMT-TR
MIC5320-GGYD6-TR
MIC5320-GGYMT-TR
MIC5320-GWYMT-TR
MIC5320-H4FYD6-TR
MIC5320-H4FYD6-TX
MIC5320-H4FYMT-TR
MIC5320-JGYD6-TR
MIC5320-JGYD6-TX
MIC5320-JGYML-TR
MIC5320-JGYMT-TR
MIC5320-JJYD6-TR
MIC5320-JJYML-TR
MIC5320-JJYMT-TR
MIC5320-KDYMT-TR
MIC5320-KGYD6-TR
MIC5320-KGYD6-TX
MIC5320-KGYML-TR
MIC5320-KGYMT-TR
MIC5320-LLYD6-TR
MIC5320-LLYD6-TX
MIC5320-LLYML-TR
MIC5320-LLYMT-TR
MIC5320-MFYD6-TR
MIC5320-MFYD6-TX
MIC5320-MFYML-TR
MIC5320-MFYMT-TR
MIC5320-MGYD6-TR
MIC5320-MGYD6-TX
MIC5320-MGYML-TR
MIC5320-MGYMT-TR
MIC5320-MKYD6-TR
MIC5320-MKYMT-TR
MIC5320-MMYD6-TR
MIC5320-MMYD6-TX
MIC5320-MMYML-TR
MIC5320-MMYMT-TR
MIC5320-NDYMT-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5320-NKYMT-TR
MIC5320-NNYD6-TR
MIC5320-NNYD6-TX
MIC5320-NNYMT-TR
MIC5320-OFYMT-TR
MIC5320-OGYMT-TR
MIC5320-OOYMT-TR
MIC5320-PGYD6-TR
MIC5320-PGYD6-TX
MIC5320-PGYMT-TR
MIC5320-PJYML-TR
MIC5320-PJYMT-TR
MIC5320-PKYD6-TR
MIC5320-PKYD6-TX
MIC5320-PKYML-TR
MIC5320-PKYMT-TR
MIC5320-PMYMT-TR
MIC5320-PNYMT-TR
MIC5320-PPYD6-TR
MIC5320-PPYD6-TX
MIC5320-PPYML-TR
MIC5320-PPYMT-TR
MIC5320-SFYMT-TR
MIC5320-SGYD6-TR
MIC5320-SGYD6-TX
MIC5320-SGYML-TR
MIC5320-SGYMT-TR
MIC5320-SJYD6-TR
MIC5320-SJYD6-TX
MIC5320-SJYML-TR
MIC5320-SJYMT-TR
MIC5320-SKYMT-TR
MIC5320-SMYML-TR
MIC5320-SMYMT-TR
MIC5320-SNYMT-TR
MIC5320-SOYMT-TR
MIC5320-SPYD6-TR
MIC5320-SPYD6-TX
MIC5320-SPYMT-TR
MIC5320-SRYMT-TR
MIC5320-SSYD6-TR
MIC5320-SSYD6-TX
MIC5320-SSYMT-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5321-46MYD6-TR
MIC5321-46MYMT-TR
MIC5321-GFYD6-TR
MIC5321-GFYD6-TX
MIC5321-GFYMT-TR
MIC5321-GGYD6-TR
MIC5321-GGYMT-TR
MIC5321-GWYMT-TR
MIC5321-JGYMT-TR
MIC5321-JJYMT-TR
MIC5321-KDYMT-TR
MIC5321-KGYMT-TR
MIC5321-LLYD6-TR
MIC5321-LLYML-TR
MIC5321-LLYMT-TR
MIC5321-MFYD6-TR
MIC5321-MFYD6-TX
MIC5321-MFYML-TR
MIC5321-MFYMT-TR
MIC5321-MGYD6-TR
MIC5321-MGYD6-TX
MIC5321-MGYML-TR
MIC5321-MGYMT-TR
MIC5321-MKYD6-TR
MIC5321-MKYMT-TR
MIC5321-MMYD6-TR
MIC5321-MMYD6-TX
MIC5321-MMYML-TR
MIC5321-MMYMT-TR
MIC5321-NDYMT-TR
MIC5321-NKYMT-TR
MIC5321-NNYMT-TR
MIC5321-OFYMT-TR
MIC5321-OGYMT-TR
MIC5321-OOYMT-TR
MIC5321-PGYD6-TR
MIC5321-PGYD6-TX
MIC5321-PGYMT-TR
MIC5321-PJYMT-TR
MIC5321-PKYMT-TR
MIC5321-PMYMT-TR
MIC5321-PNYMT-TR
MIC5321-PPYD6-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5321-PPYD6-TX
MIC5321-PPYML-TR
MIC5321-PPYMT-TR
MIC5321-SFYMT-TR
MIC5321-SGYMT-TR
MIC5321-SJYD6-TR
MIC5321-SJYD6-TX
MIC5321-SJYML-TR
MIC5321-SJYMT-TR
MIC5321-SKYMT-TR
MIC5321-SLYD6-TR
MIC5321-SLYMT-TR
MIC5321-SMYMT-TR
MIC5321-SNYMT-TR
MIC5321-SOYMT-TR
MIC5321-SPYMT-TR
MIC5321-SRYMT-TR
MIC5321-SSYD6-TR
MIC5321-SSYD6-TX
MIC5321-SSYML-TR
MIC5321-SSYMT-TR
MIC5322-MFYMT-TR
MIC5322-MGYMT-TR
MIC5322-NNYMT-TR
MIC5322-PMYMT-TR
MIC5322-PNYMT-TR
MIC5322-PPYMT-TR
MIC5323-1.8YD5-TR
MIC5323-1.8YMT-TR
MIC5323-2.8YD5-TR
MIC5323-2.8YMT-TR
MIC5323-3.3YD5-TR
MIC5323-3.3YMT-TR
MIC5323YMT-TR
MIC5325-1.2YMT-TR
MIC5325-1.5YMT-TR
MIC5325-1.8YMT-TR
MIC5325-3.6YMT-TR
MIC5326-2.8YMT-TR
MIC5327-1.8YMT-TR
MIC5327-2.8YMT-TR
MIC5330-GFYML-TR
MIC5330-GGYML-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5330-GWYML-TR
MIC5330-JGYML-TR
MIC5330-JJYML-TR
MIC5330-KDYML-TR
MIC5330-KGYML-TR
MIC5330-LLYML-TR
MIC5330-MFYML-TR
MIC5330-MGYML-TR
MIC5330-MKYML-TR
MIC5330-MMYML-TR
MIC5330-NDYML-TR
MIC5330-NKYML-TR
MIC5330-NNYML-TR
MIC5330-OFYML-TR
MIC5330-OGYML-TR
MIC5330-OOYML-TR
MIC5330-PGYML-TR
MIC5330-PJYML-TR
MIC5330-PKYML-TR
MIC5330-PMYML-TR
MIC5330-PNYML-TR
MIC5330-PPYML-TR
MIC5330-SFYML-TR
MIC5330-SGYML-TR
MIC5330-SJYML-TR
MIC5330-SKYML-TR
MIC5330-SMYML-TR
MIC5330-SNYML-TR
MIC5330-SOYML-TR
MIC5330-SPYML-TR
MIC5330-SRYML-TR
MIC5330-SSYML-TR
MIC5331-G4YMT-TR
MIC5331-J4YMT-TR
MIC5331-MMYMT-TR
MIC5331-MNYMT-TR
MIC5331-NNYMT-TR
MIC5331-PMYMT-TR
MIC5331-PNYMT-TR
MIC5331-PPYMT-TR
MIC5332-G4YMT-TR
MIC5332-J4YMT-TR
MIC5332-MMYMT-TR



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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5332-MNYMT-TR
MIC5332-NNYMT-TR
MIC5332-PMYMT-TR
MIC5332-PNYMT-TR
MIC5332-PPYMT-TR
MIC5332-SSYMT-T5
MIC5332-SSYMT-TR
MIC5333-G4YMT-TR
MIC5333-J4YMT-TR
MIC5333-MMYMT-TR
MIC5333-MNYMT-TR
MIC5333-NNYMT-TR
MIC5333-PMYMT-TR
MIC5333-PNYMT-TR
MIC5333-PPYMT-TR
MIC5335-GFYMT-TR
MIC5335-GGYMT-TR
MIC5335-GWYMT-TR
MIC5335-JGYMT-TR
MIC5335-JJYMT-TR
MIC5335-KDYMT-TR
MIC5335-KGYMT-TR
MIC5335-LLYMT-TR
MIC5335-MFYMT-TR
MIC5335-MGYMT-TR
MIC5335-MKYMT-TR
MIC5335-MMYMT-TR
MIC5335-NDYMT-TR
MIC5335-NKYMT-TR
MIC5335-NNYMT-TR
MIC5335-OFYMT-TR
MIC5335-OGYMT-TR
MIC5335-OOYMT-TR
MIC5335-PGYMT-TR
MIC5335-PJYMT-TR
MIC5335-PKYMT-TR
MIC5335-PMYMT-TR
MIC5335-PNYMT-TR
MIC5335-PPYMT-TR
MIC5335-SFYMT-TR
MIC5335-SGYMT-TR
MIC5335-SJYMT-TR
MIC5335-SKYMT-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5335-SLYMT-TR
MIC5335-SMYMT-TR
MIC5335-SNYMT-TR
MIC5335-SOYMT-TR
MIC5335-SPYMT-TR
MIC5335-SRYMT-TR
MIC5335-SSYMT-TR
MIC5337-1.8YMT-TR
MIC5337-2.8YMT-TR
MIC5338-4CYMT-TR
MIC5338-G4YMT-TR
MIC5338-M4YMT-TR
MIC5338-MGYMT-TR
MIC5339-4CYMT-TR
MIC5339-G4YMT-TR
MIC5339-M4YMT-TR
MIC5339-MGYMT-TR
MIC5339-SMYMT-TR
MIC5350-MGYMT-TR
MIC5350-MMYMT-TR
MIC5350-PGYMT-TR
MIC5350-SGYMT-TR
MIC5350-SMYMT-TR
MIC5353-1.8YMT-TR
MIC5353-2.5YMT-TR
MIC5353-2.6YMT-TR
MIC5353-2.8YMT-TR
MIC5353-3.0YMT-TR
MIC5353-3.3YMT-TR
MIC5353YMT-TR
MIC5355-G4YMME
MIC5355-G4YMME-TR
MIC5355-JGYMME
MIC5355-JGYMME-TR
MIC5355-S4YMME
MIC5355-S4YMME-TR
MIC5355-SCYMME
MIC5355-SCYMME-TR
MIC5355-SGYMME
MIC5355-SGYMME-TR
MIC5356-G4YMME
MIC5356-G4YMME-TR
MIC5356-JGYMME

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5356-JGYMME-TR
MIC5356-MGYML-T5
MIC5356-MGYML-TR
MIC5356-MMYML-T5
MIC5356-MMYML-TR
MIC5356-S4YMME
MIC5356-S4YMME-TR
MIC5356-SCYMME
MIC5356-SCYMME-TR
MIC5356-SGYMME
MIC5356-SGYMME-TR
MIC5357-GFYMME
MIC5357-GFYMME-TR
MIC5357-MGYMME
MIC5357-MGYMME-TR
MIC5357-SGYMME
MIC5357-SGYMME-TR
MIC5357-SMYMME
MIC5357-SMYMME-TR
MIC5361-1.0YMT-TZ
MIC5361-1.2YMT-TZ
MIC5361-1.3YMT-TZ
MIC5361-1.5YMT-TZ
MIC5361-1.8YMT-TZ
MIC5361-2.0YMT-TZ
MIC5361-2.5YMT-TZ
MIC5361-2.6YMT-TZ
MIC5361-2.7YMT-TZ
MIC5361-2.85YMT-TZ
MIC5361-2.8YMT-TZ
MIC5361-3.0YMT-TZ
MIC5361-3.1YMT-TZ
MIC5361-3.3YMT-TZ
MIC5362-1.0YMT-TZ
MIC5362-1.1YMT-TZ
MIC5362-1.2YMT-TZ
MIC5362-1.3YMT-TZ
MIC5362-1.5YMT-TZ
MIC5362-1.8YMT-TZ
MIC5362-2.0YMT-TZ
MIC5362-2.1YMT-T5
MIC5362-2.1YMT-TR
MIC5362-2.1YMT-TZ

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5362-2.5YMT-TZ
MIC5362-2.6YMT-TZ
MIC5362-2.7YMT-TZ
MIC5362-2.85YMT-TZ
MIC5362-2.8YMT-TZ
MIC5362-3.0YMT-TZ
MIC5362-3.1YMT-TZ
MIC5362-3.3YMT-TZ
MIC5363-1.2YMT-T5
MIC5363-1.2YMT-TR
MIC5363-2.8YMT-T5
MIC5363-2.8YMT-TR
MIC5363-3.3YMT-T5
MIC5363-3.3YMT-TR
MIC5364-1.2YMT-T5
MIC5364-1.2YMT-TR
MIC5364-2.8YMT-T5
MIC5364-2.8YMT-TR
MIC5364-3.3YMT-T5
MIC5364-3.3YMT-TR
MIC5365-1.0YC5-TR
MIC5365-1.0YMT-TZ
MIC5365-1.2YC5-TR
MIC5365-1.2YD5-T5
MIC5365-1.2YD5-TR
MIC5365-1.2YMT-TZ
MIC5365-1.3YC5-TR
MIC5365-1.5YC5-TR
MIC5365-1.5YMT-TZ
MIC5365-1.8YC5-TR
MIC5365-1.8YD5-T5
MIC5365-1.8YD5-TR
MIC5365-1.8YMT-TZ
MIC5365-2.0YC5-TR
MIC5365-2.0YMT-TZ
MIC5365-2.5YC5-TR
MIC5365-2.5YMT-TZ
MIC5365-2.6YC5-TR
MIC5365-2.6YMT-TZ
MIC5365-2.7YC5-TR
MIC5365-2.7YMT-TZ
MIC5365-2.85YC5-TR
MIC5365-2.85YD5-T5

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5365-2.85YD5-TR
MIC5365-2.85YMT-TZ
MIC5365-2.8YC5-TR
MIC5365-2.8YD5-T5
MIC5365-2.8YD5-TR
MIC5365-2.8YMT-TZ
MIC5365-2.9YC5-TR
MIC5365-2.9YMT-TZ
MIC5365-3.0YC5-TR
MIC5365-3.0YD5-T5
MIC5365-3.0YD5-TR
MIC5365-3.0YMT-TZ
MIC5365-3.3YC5-TR
MIC5365-3.3YD5-T5
MIC5365-3.3YD5-TR
MIC5365-3.3YMT-TZ
MIC5366-1.0YC5-TR
MIC5366-1.0YMT-TZ
MIC5366-1.2YC5-TR
MIC5366-1.2YMT-TZ
MIC5366-1.5YC5-TR
MIC5366-1.5YMT-TZ
MIC5366-1.8YC5-TR
MIC5366-1.8YMT-TZ
MIC5366-2.0YC5-TR
MIC5366-2.0YMT-TZ
MIC5366-2.1YMT-T5
MIC5366-2.1YMT-TZ
MIC5366-2.5YC5-TR
MIC5366-2.5YMT-TZ
MIC5366-2.6YC5-TR
MIC5366-2.6YMT-TZ
MIC5366-2.7YC5-TR
MIC5366-2.7YMT-TZ
MIC5366-2.85YC5-TR
MIC5366-2.85YMT-TZ
MIC5366-2.8YC5-TR
MIC5366-2.8YMT-TZ
MIC5366-2.9YC5-TR
MIC5366-2.9YMT-TZ
MIC5366-3.0YC5-TR
MIC5366-3.0YMT-TZ
MIC5366-3.1YMT-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5366-3.1YMT-TZ
MIC5366-3.3YC5-TR
MIC5366-3.3YMT-TZ
MIC5367-1.2YMT-TR
MIC5367-1.5YMT-TR
MIC5367-3.3YMT-TR
MIC5368-1.2YMT-TR
MIC5368-1.5YMT-TR
MIC5368-3.3YMT-TR
MIC5370-4CYMT-TR
MIC5370-G4YMT-TR
MIC5370-GFYMT-TR
MIC5370-M4YMT-TR
MIC5370-MFYMT-TR
MIC5370-MGYMT-TR
MIC5370-MKYMT-TR
MIC5370-MMYMT-TR
MIC5370-PGYMT-TR
MIC5370-PKYMT-TR
MIC5370-PMYMT-TR
MIC5370-PPYMT-TR
MIC5370-SGYMT-TR
MIC5370-SKYMT-TR
MIC5370-SMYMT-TR
MIC5370-SPYMT-TR
MIC5370-SSYMT-TR
MIC5371-4CYMT-TR
MIC5371-G4YMT-TR
MIC5371-M4YMT-TR
MIC5371-MFYMT-TR
MIC5371-MGYMT-TR
MIC5371-MMYMT-TR
MIC5371-PMYMT-TR
MIC5371-PPYMT-TR
MIC5371-SGYMT-TR
MIC5371-SMYMT-TR
MIC5371-SPYMT-TR
MIC5371-SSYMT-TR
MIC5373-MG4YMT-TR
MIC5373-SJGYMT-TR
MIC5374-MG44YMT-TR
MIC5374-SJG1YMT-TR
MIC5375-2.8YC5-TR

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Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC5375-2.8YMT-TZ
MIC5376-2.8YC5-TR
MIC5376-2.8YMT-TZ
MIC5377YC5-TR
MIC5377YMT-TR
MIC5378YC5-TR
MIC5378YMT-TR
MIC5380-G4YFT-TR
MIC5380-KHYFT-TR
MIC5380-LLYFT-TR
MIC5380-M4YFT-TR
MIC5380-MGYFT-TR
MIC5380-NGYFT-TR
MIC5380-PPYFT-TR
MIC5380-SSYFT-TR
MIC5381-G4YFT-TR
MIC5381-M4YFT-TR
MIC5381-MGYFT-TR
MIC5381-PPYFT-TR
MIC5381-SSYFT-TR
MIC5383-MG4YMT-TR
MIC5383-SJGYMT-TR
MIC5384-MG44YMT-TR
MIC5384-SJG1YMT-TR
MIC5385-SGFYMT-TR
MIC5387-GMGYMT-TR
MIC5387-GMMYMT-TR
MIC5387-SG4YMT-TR
MIC5387-SGFYMT-TR
MIC5388-MGYCS-TR
MIC5389-MGYCS-TR
MIC6315-25D4UY-TR
MIC6315-26D2UY-TR
MIC6315-26D3UY-TR
MIC6315-26D4UY-TR
MIC6315-29D2UY-TR
MIC6315-29D3UY-TR
MIC6315-29D4UY-TR
MIC6315-30D2UY-TR
MIC6315-30D3UY-TR
MIC6315-30D4UY-TR
MIC6315-31D2UY-TR
MIC6315-31D3UY-TR

JAON-31GTPQ691 - CCB 2837 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the CSI05 process technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC6315-31D4UY-TR
MIC6315-40D2UY-TR
MIC6315-40D3UY-TR
MIC6315-40D4UY-TR
MIC6315-41D2UY-TR
MIC6315-41D3UY-TR
MIC6315-41D4UY-TR
MIC6315-42D3UY-TR
MIC6315-44D2UY-TR
MIC6315-44D3UY-TR
MIC6315-44D4UY-TR
MIC6315-46D2UY-TR
MIC6315-46D3UY-TR
MIC6315-46D4UY-TR
MIC803-26D2VC3-TR
MIC803-26D2VM3-TR
MIC803-26D3VC3-TR
MIC803-26D3VM3-TR
MIC803-26D4VC3-TR
MIC803-26D4VM3-TR
MIC803-29D2VC3-TR
MIC803-29D2VM3-TR
MIC803-29D3VC3-TR
MIC803-29D3VM3-TR
MIC803-29D4VC3-TR
MIC803-29D4VM3-TR
MIC803-30D2VC3-TR
MIC803-30D2VM3-TR
MIC803-30D3VC3-TR
MIC803-30D3VM3-TR
MIC803-30D4VC3-TR
MIC803-30D4VM3-TR
MIC803-31D2VC3-TR
MIC803-31D2VM3-TR
MIC803-31D3VC3-TR
MIC803-31D3VM3-TR
MIC803-31D4VC3-TR
MIC803-31D4VM3-TR
MIC803-40D2VC3-TR
MIC803-40D2VM3-TR
MIC803-40D3VC3-TR
MIC803-40D3VM3-TR
MIC803-40D4VC3-TR



JAON-31GTPQ691 - CCB 2837 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the CSI05 process technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC803-40D4VM3-TR
MIC803-41D2VC3-TR
MIC803-41D2VM3-TR
MIC803-41D3VC3-TR
MIC803-41D3VM3-TR
MIC803-41D4VC3-TR
MIC803-41D4VM3-TR
MIC803-44D2VC3-TR
MIC803-44D2VM3-TR
MIC803-44D3VC3-TR
MIC803-44D3VM3-TR
MIC803-44D4VC3-TR
MIC803-44D4VM3-TR
MIC803-46D2VC3-TR
MIC803-46D2VM3-TR
MIC803-46D3VC3-TR
MIC803-46D3VM3-TR
MIC803-46D4VC3-TR
MIC803-46D4VM3-TR
MIC809-5SUY-TR
MIC809-5SYC3-TR
MIC809JUY-TR
MIC809JYC3-TR
MIC809LUY-TR
MIC809LYC3-TR
MIC809MUY-TR
MIC809MYC3-TR
MIC809RUY-TR
MIC809RYC3-TR
MIC809SUY-TR
MIC809SYC3-TR
MIC809TUY-TR
MIC809TYC3-TR
MIC810JUY-TR
MIC810JYC3-TR
MIC810LUY-TR
MIC810LYC3-TR
MIC810MUY-TR
MIC810MYC3-TR
MIC810RUY-TR
MIC810RYC3-TR
MIC810SUY-TR
MIC810SYC3-TR

JAON-31GTPQ691 - CCB 2837 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the CSI05 process technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC810TUY-TR
MIC810TYC3-TR
MIC8114TUY-TR
MIC8115TUY-TR
MIC811JUY-TR
MIC811LUY-TR
MIC811MUY-TR
MIC811RUY-TR
MIC811SUY-TR
MIC811TUY-TR
MIC812JUY-TR
MIC812LUY-TR
MIC812MUY-TR
MIC812RUY-TR
MIC812SUY-TR
MIC812TUY-TR
MIC826LYMT-T5
MIC826LYMT-TR
MIC826MYMT-T5
MIC826MYMT-TR
MIC826RYMT-T5
MIC826RYMT-TR
MIC826SYMT-T5
MIC826SYMT-TR
MIC826TYMT-T5
MIC826TYMT-TR
MIC826WYMT-T5
MIC826WYMT-TR
MIC826YYMT-T5
MIC826YYMT-TR
MIC826ZYM-T5
MIC826ZYM-TR
MIC94030YM4-TR
MIC94031YM4-TR
MIC94040YFL-TR
MIC94041YFL-TR
MIC94042YFL-TR
MIC94043YFL-TR
MIC94044YFL-TR
MIC94045YFL-TR
MIC94050YM4-TR
MIC94051YM4-TR
MIC94052YC6-TR

JAON-31GTPQ691 - CCB 2837 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the CSI05 process technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC94053YC6-TR
MIC94060YC6-TR
MIC94060YMT-TR
MIC94061YC6-TR
MIC94061YMT-TR
MIC94062YC6-TR
MIC94062YMT-TR
MIC94063YC6-TR
MIC94063YMT-TR
MIC94064YC6-TR
MIC94064YMT-TR
MIC94065YC6-TR
MIC94065YMT-TR
MIC94066YML-TR
MIC94067YML-TR
MIC94068YML-TR
MIC94069YML-TR
MIC94070YC6-TR
MIC94070YC6-TX
MIC94070YMT-TR
MIC94071YC6-TR
MIC94071YC6-TX
MIC94071YMT-TR
MIC94072YC6-TR
MIC94072YC6-TX
MIC94072YMT-TR
MIC94073YC6-TR
MIC94073YC6-TX
MIC94073YMT-TR
MIC94080YFT-TR
MIC94081YFT-TR
MIC94082YFT-TR
MIC94083YFT-TR
MIC94084YFT-TR
MIC94085YFT-TR
MIC94090YC6-TR
MIC94090YMT-TR
MIC94091YC6-TR
MIC94091YMT-TR
MIC94092YC6-TR
MIC94092YMT-TR
MIC94093YC6-TR
MIC94093YMT-TR

JAON-31GTPQ691 - CCB 2837 Initial Notice - Fabrication Site Qualification: Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the CSI05 process technology.

Affected Catalog Part Numbers (CPN)

PCN_JAON-31GTPQ691
CATALOG_PART_NBR
MIC94094YC6-TR
MIC94094YMT-TR
MIC94095YC6-TR
MIC94095YMT-TR
SPN015011-TR
SPN025012-TR
SPN025013-TR
SPN030039Y
SPN030039Y-TR
SPN030050G-TR
SPN035006G-TR



# Micrel San Jose CA (SJ) to Microchip Colorado Springs CO (MCSO) Fab Transfer of CSI05

## Frequently Asked Questions (FAQ)

Revision 1 – December 15, 2016

**Why is Microchip making this change?** The Micrel 6 inch fabrication facility in San Jose is closing. The Microchip 6 inch fabrication facility located at Colorado Springs CO, USA will provide more capacity that will ensure continuity of supply. Microchip's fabrication sites have improved defect control/inspections and more efficient/diversified fab equipment.

### What is and what is not changing?

	<b>Pre Change</b>	<b>Post Change</b>
<b>Fabrication Location</b>	Micrel Fabrication Site (San Jose, CA, USA)	Microchip Fabrication Sites (Colorado Springs CO, USA)
<b>Wafer Diameter</b>	6 inches (150 mm)	6 inches (150 mm)
<b>Quality certification</b>	ISO9001	ISO/TS16949
<b>Data sheet / specifications</b>	No Change	No Change
<b>Design/layout</b>	No Change	No Change
<b>Die Size</b>	No Change	No Change
<b>Final test program</b>	No Change	No Change
<b>Package Type/MSL</b>	No Change	No Change

**Why is Microchip qualifying the MCSO 6” location in addition to the 8” locations for the CSI05 process technology?** The reason the MCSO 6” location is being qualified is to ensure continuity of supply by not constraining capacity of only 1 or 2 fabrication locations.

**What products are affected and what is the notification strategy?** Microchip has identified the parts affected and is implementing a notification strategy with a three phase Product/Process Change Notice (PCN) approach.

Phase 1: Microchip issued an initial PCN ([PCN#JAON-31GTPQ691](#)) on February 8, 2017. The PCN includes the following information:

- a. Qualification plan.
- b. Anticipated quarter and year for availability of the qualification report.
- c. Affected parts list

Phase 2: Microchip will issue an intermediate PCN after qualification has completed. Included in this PCN is:

- a. Qualification report
- b. Complete list of Catalog Part Numbers (CPN) for the qualified CSI05 process technology.

The objective of this PCN is to notify customers that the CSI05 process technology has completed qualification and provide the report.

Phase 3: Microchip will issue Final PCNs as Microchip fabricated CPNs are released to production. Each of these PCNs will include:

- a. The Estimated First Ship Date (EFSD) of each CPN.

Please note that there will be multiple PCNs issued over several months/years before implementation on all products has completed. Products from Microchip Fabs will not ship until after a phase 3 PCN has been issued and applicable CPN listed.

**How does Microchip issue PCN's to customers?** Microchip provides a PCN service. As part of this service customers have the option to receive PCNs via email if they register for PCN email service or view PCNs without registration on Microchips website. For information about how to register for PCN email service and all PCN services please view our PCN policy. The link to Microchip's PCN policy is:

[http://ww1.microchip.com/downloads/en/DeviceDoc/PCN\\_EOL%20Policy\\_MCHP.pdf](http://ww1.microchip.com/downloads/en/DeviceDoc/PCN_EOL%20Policy_MCHP.pdf)

**What is Microchip's fabrication transfer qualification strategy?** Microchip is using the following approach:

1. Copy functional (i.e. match the fab process films/design rules and device structures). There will be no change to the product datasheet specifications.

2. Follow Micrel's original qualification guidelines (JEDEC JC14 compliant). The qualification plan will be included in the initial PCN as referenced above.

### **How does the qualification data pertain to my device?**

Numerous catalog part numbers of various product types are produced from the CSI05 process technology. Since it is not practical to qualify each individual part number, Microchip verifies the functionality and parametrics of each individual underlying product type. For the **BCD & CSI .5 um** process technology qualification, a representative CPN was selected to be the primary qualification device.

The CSI05 process technology will qualify by similarity to the BCD05 process technology using the following methodology: Three fab lots go through high temperature operation life (HTOL)/package level qualification testing and one fab lot goes through electrostatic discharge (ESD) and latch up (LU) testing to represent when the technology is qualified for production. All lots must pass high temperature operation life (HTOL), ESD, LU, preconditioning, temperature cycling, unbiased HAST, biased HAST, pressure pot, and high temperature storage testing per JEDEC guidelines. All qualification CPNs will be represented by the BCD05 process technology and a qualification report will be included in the phase 2 intermediate PCN.

**How will Microchip verify functionality of the Microchip fabricated material?** To ensure that the Microchip fabricated devices behave statistically the same as the respective Micrel fabricated material, Microchip will perform production testing and/or bench testing using Micrel SJ and MCSO fabricated



samples. Then Microchip will compare the electrical distributions for the critical test parameters with the expectation that they are statistically equivalent.

**Will the Catalog Part Number (CPN) change?** No. The CPN will not change.

**How can I determine if a product was fabricated in the Micrel or Microchip Fab?** The trace code can be used to determine the difference between Micrel SJ and MCSO fabricated material. The customers will be required to provide the trace codes to the local Microchip sales office for assistance in determining the die source. The trace code is located on the product's top marking.

**What is Microchip's experience with Fab transfers?**

Microchip has successfully completed several Fab transfers over the last 16 years representing millions of devices shipped to a large variety of customers within the automotive, medical, aerospace, industrial, and commercial segments.

**Can I obtain Microchip fabricated samples for evaluation and/or qualification?** Yes, customers should contact their authorized Microchip support channel to enter a request for samples. Samples will not be available until MCSO fabricated devices are released to production. Customers will be made aware that devices are released to production when the final PCNs are issued.

**How will Microchip manage stability of supply during the transition?** Microchip has built Micrel fabricated inventory

based on historic monthly ship rates to fulfill customer orders until Microchip fabricated inventory is available.



**MICROCHIP**

# **QUALIFICATION PLAN**

**PCN #: JAON-31GTPQ691**

**Date**

**October 14, 2016**

**Qualification of Fabrication site (FAB 5) for Micrel products manufactured with the BCD05 process technology. The CSI05 process technology will qualify by similarity (QBS).**

TEST NAME	TEST DESCRIPTION	TEST CONDITION	QTY	# Lots per Device	COMMENTS
ELECTRICAL TEST	SPEC 100-1010	ATE GO-NO-GO	800	3	1 <sup>st</sup> pass test Room Only
PRE-CONDITIONING MSL	MICREL SPEC 520-1010 PEAK TEMPERATURES +260°C	IPC/JEDEC J-STD-020	400	3	
UHAST OR PRESSURE POT TEST - W/PC	JESD22-A118 OR JESD22-A102	Ta +121°C	77	3	
TEMP CYCLE - W/PC	JESD22-A104	Ta -65°C TO +150°C	77	3	
HAST - W/PC biased	JESD22-A110 Vcc = Operating max	Ta +131°C/85%RH	77	3	
STORAGE LIFE - W/PC	JESD22-A103	Ta= +150°C (1000 HRS OR Ta= +175°C (500 HRS)	45	3	
ESD HBM	JEDEC JS-001	Ta= +25°C	15	1	
ESD CDM	JESD22-C101	Ta= +25°C	15	1	
LATCH UP	JESD-78	Ta= +25°C	6	1	
HTOL	Jesd-22A108 Vcc = Operating max	Ta = +125°C	77	3	
LTOL	Jesd-22A108 Vcc = Operating max	Ta = -20°C	45	1	