



Product Change Notification - LIAL-13JPYD529

Date:

26 Feb 2020

Product Category:

Clock and Timing - Oscillators; Others; Clock and Timing - Clock Generation

Affected CPNs:**Notification subject:**

CCB 3433 Final Notice: Qualification of a new fabrication site (Microchip -Fab 5) for selected DSCxxx and DSAxxx product available in 6L VDFN, 4L VDFN, 4L VFLGA, 6L VFLGA, 4L VLGA, 14L VQFN and 20L VQFN packages.

Notification text:**PCN Status:**

Final notification.

PCN Type:

Manufacturing Change

Microchip Parts Affected:

Please open one of the icons found in the Affected CPNs section above.

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

Description of Change:

Qualification of a new fabrication site (Microchip -Fab 5) for selected DSCxxx and DSAxxx product available in 6L VDFN, 4L VDFN, 4L VFLGA, 6L VFLGA, 4L VLGA, 14L VQFN and 20L VQFN packages.

Pre Change:

Die # 2 Fabricated at Silex Microsystems site

Post Change:

Die # 2 Fabricated at Microchip Technology Colorado - Fab 5 site.

Pre and Post Change Summary:

		Pre Change			Post Change		
Fabrication Supplier and Location	Die # 1	Global Foundries, Singapore-Fab 3/5 (GF35) ^{Note 1}	Taiwan Semiconductor Manufacturing Corp. - Fab 3 (TC03) ^{Note 2}	Global Foundries, Singapore-Fab 7 (GF07) ^{Note 3}	No Change	No Change	No Change
	Die # 2	Silex Microsystems	Silex Microsystems	Silex Microsystems	Microchip Technology	Microchip Technology	Microchip Technology



		ms (SM01) Note 1	ms (SM01) Note 2	ms (SM01) Note 3	Colorado - Fab 5 (MCSQ ₁) Note	Colorado - Fab 5 (MCSQ ₂) Note	Colorado - Fab 5 (MCSQ ₃) Note
Wafer Diameter	Die # 1	8 inches	8 inches	12 inches	8 inches	8 inches	12 inches
	Die # 2	6 inches	6 inches	6 inches	6 inches	6 inches	6 inches
Quality Certification for Die1		ISO41001/ IATF16949	ISO9001/ ISO41001/ IATF16949	ISO41001/ IATF16949	No Change	No Change	No Change
Quality Certification for Die2		ISO9001	ISO9001	ISO9001	ISO9001/ ISO41001/ IATF16949	ISO9001/ ISO41001/ IATF16949	ISO9001/ ISO41001/ IATF16949

Note 1: Applicable for device families DSC100x, DSC800x and DSA100x

Note 2: Applicable for device families DSA11xx, DSA2xxx, DSA5xx, DSC11xx, DSC2xxx, DSC4xx, DSC5xx and DSC81xx

Note 3: Applicable for device families DSC6xx, DSC6xxx, DSA6xx and DSA6xxx

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve manufacturability and on-time delivery performance by qualifying a second fabrication source at Microchip Technology Colorado - Fab 5 site.

Change Implementation Status:

In Progress

Estimated First Ship Date:

April 17, 2020 (date code: 2016)

NOTE: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

Time Table Summary:

Workweek	February 2020					-->	April 2020				
	05	06	07	08	09		14	15	16	17	18
Qual Report Availability					X						
Final PCN Issue Date					X						
Estimated Implementation Date								X			

Method to Identify Change:

Traceability code

Qualification Report:

Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.



Revision History:

February 24, 2020: Issued final notification. Attached the qualification report. Provided estimated first ship date to be on April 17, 2020.

February 26, 2020: Re-issued final notification. Updated the plant code for die #1 at Taiwan Semiconductor Manufacturing Corp. - Fab 3 from TSMC to TC03 and updated the quality certification for die # 1 at Taiwan Semiconductor Manufacturing Corp. Fab-3.

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

Attachment(s):

[PCN_LIAL-13JPYD529_PROCESS_QUAL_REPORT.pdf](#)

[PCN_RMES-01ULEW599_PACKAGE_QUAL_REPORT.pdf](#)

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

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