



Product Change Notification - KSRA-08OFYX715

Date:

22 Jul 2019

Product Category:

Temperature Sensors; 8-bit Microcontrollers; Others

Affected CPNs:**Notification subject:**

CCB 3833 Initial Notice: Qualification of Global Foundries Fab 3/5 (GF35) fabrication site for the selected products of EMC14XX and MCP99XX device families

Notification text:**PCN Status:**

Initial 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).

Description of Change:

Qualification of Global Foundries 3/5 (GF35) fabrication site for the selected products of EMC14XX and MCP99XX device families

Pre Change:

Fabricated at Global Foundries, Singapore (Fab 3E) / GF3E using 8 inch wafers.

Post Change:

Fabricated at Global Foundries, Singapore (3/5) / GF35 using 8 inch wafers.

Pre and Post Change Summary:

	Pre Change	Post Change
Site	Global Foundries, Singapore (Fab 3E) / GF3E	Global Foundries, Singapore (3/5) / GF35
Wafer Size	8	8
Quality Certification	ISO/TS16949	ISO/TS16949
Design / Lay-Out	No Change	No Change
Die Size	No Change	No Change

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve on time delivery performance by qualifying Global Foundries 3/5 (GF35) Fabrication site

Change Implementation Status:

In Progress

Estimated Qualification Completion Date:

November 2019

Note: Please be advised the qualification completion times may be extended because of unforeseen business implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and . Also note that after the



estimated first ship date guided in the final PCN customers may receive pre and post change parts.

Time Table Summary:

Workweek	July 2019					-->	November 2019				
	27	28	29	30	31		44	45	46	47	48
Initial PCN Issue Date				X							
Report Availability										X	
Final PCN Issue Date										X	

Method to Identify Change:

code

Qualification Plan:

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

Revision History:

July 22, 2019: Issued initial notification.

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_KSRA-08OFYX715_Qual Plan.pdf](#)

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

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If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

Affected Catalog Part Numbers (CPN)

EMC1402-1-ACZL-TR
EMC1402-3-ACZL-TR
EMC1402-4-ACZL-TR
EMC1412-1-ACZL-TR
EMC1412-A-ACZL-TR
EMC1412-2-ACZL-TR
EMC1422-1-ACZL-TR
EMC1422-2-ACZL-TR
EMC1403-1-AIZL-TR
EMC1403-2-AIZL-TR
EMC1403-3-AIZL-TR
EMC1403-4-AIZL-TR
EMC1404-1-AIZL-TR
EMC1404-2-AIZL-TR
EMC1404-3-AIZL-TR
EMC1404-4-AIZL-TR
EMC1413-1-AIZL-TR
EMC1413-3-AIZL-TR
EMC1413-A-AIZL-TR
EMC1414-1-AIZL-TR
EMC1414-A-AIZL-TR
EMC1423-1-AIZL-TR
EMC1424-1-AIZL-TR
EMC1412-1-AC3-TR
EMC1412-A-AC3-TR
EMC1442-A-AC3-TR
EMC1462-A-AC3-TR
MCP9903T-1E/9Q
MCP9903T-2E/9Q
MCP9903T-AE/9Q
MCP9904T-1E/9Q
MCP9904T-2E/9Q
MCP9904T-AE/9Q
EMC1403-1-AIA-TR
EMC1403-2-AIA-TR
EMC1413-A-AIA-TR
EMC1414-A-AIA-TR
EMC1444-A-AIA-TR
EMC1464-A-AIA-TR
EMC1464T-AE/9R
EMC1403-1-YZT-TR
EMC1403-2-YZT-TR
MCP9902T-1E/RW
MCP9902T-2E/RW
MCP9902T-AE/RW
EMC1462T-AE/RW

EMC1438-1-AP-TR

EMC1438-2-AP-TR



QUALIFICATION PLAN SUMMARY

PCN#: KSRA-08OFYX715

**Date:
May 16, 2019**

Qualification of Global Foundries Fab 3/5 (GF35) fabrication site for the selected products of EMC14XX and MCP99XX device families.

Purpose: Qualification of Global Foundries Fab 3/5 (GF35) fabrication site for the selected products of EMC14XX and MCP99XX device families.

CCB No.: 3833

Test / Evaluation	Test Conditions / Parameters
WAT (Wafer Acceptance Test)	<ul style="list-style-type: none">• Compare WAT distribution of 5 wafers/mask• 3 lots - one from each mask. (15 wafers in total)
Test Yield and Electrical Distribution	<ul style="list-style-type: none">• Compare Final Test Yield and Electrical Distribution of 5 wafers/mask• 3 lots – one from each mask. (15 wafers in total)

Note: This Qualification will be QBS to products that were qualified and have been running at FAB 35