



Product Change Notification / ALAN-14CQYK486

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**Date:**

28-Oct-2022

**Product Category:**

Low-Med Voltage Power Modules

**PCN Type:**

Manufacturing Change

**Notification Subject:**

CCB 3582.001 Final Notice: Qualification of inductor LQM21PNR47MCH# for selected Micrel MIC38150HYHL-TR catalog part number (CPN) available in 28L VQFN (4x6x0.9mm) package.

**Affected CPNs:**

[ALAN-14CQYK486\\_Affected\\_CPN\\_10282022.pdf](#)  
[ALAN-14CQYK486\\_Affected\\_CPN\\_10282022.csv](#)

**Notification Text:**

**PCN Status:**Final Notification

**PCN Type:**Manufacturing Change

**Microchip Parts Affected:**Please open one of the files found in the Affected CPNs section.  
Note: For your convenience Microchip includes identical files in two formats (.pdf and .xls)

**Description of Change:**Qualification of inductor LQM21PNR47MCH# for selected Micrel MIC38150HYHL-TR catalog part number (CPN) available in 28L VQFN (4x6x0.9mm) package.

**Pre and Post Change Summary:**

	Pre Change	Post Change
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<b>Assembly Site</b>		Unisem (M) Berhad (UNIS)	Unisem (M) Berhad (UNIS)
<b>Wire material</b>		Au	Au
<b>Die attach material</b>		8290	8290
<b>Molding compound material</b>		G770HCD	G770HCD
<b>Lead frame material</b>		A194	A194
<b>Inductor</b>	<b>Material</b>	74479977147	LQM21PNR47MCH#
	<b>Inductance</b>	0.47uH	0.47uH
	<b>Package dimension</b>	2 x1.6 x 0.5 mm	1.25 x 2.0 x 0.5 mm

**Impacts to Data Sheet:**None

**Change Impact:**None

**Reason for Change:**To improve manufacturability by qualifying inductor LQM21PNR47MCH#.

**Change Implementation Status:**In Progress

**Estimated First Ship Date:**December 30, 2022 (date code: 2253)

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

**Time Table Summary:**

	November 2021					>	December 2022				
Workweek	4 5	4 6	4 7	4 8	4 9		4 9	5 0	5 1	5 2	5 3
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:**November 18, 2021: Issued final notification.

October 28, 2022: Re-issued final notification. Updated the inductor material in post change, description of change and reason for change from LQM21PNR47MCHL to LQM21PNR47MCH#. Updated the EFSD from December 30, 2021, to December 30, 2022. Updated the affected CPN list to remove CPN MIC38300HYHL-TR.

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

## **Attachments:**

[PCN\\_ALAN-14CQYK486\\_Pre and Post Change\\_Summary.pdf](#)  
[PCN\\_ALAN-14CQYK486\\_Qual\\_Report.pdf](#)

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

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Affected Catalog Part Numbers (CPN)

MIC38150HYHL-TR