



Product Change Notification / ALAN-14CQYK486

Date:

18-Nov-2021

Product Category:

Low-Med Voltage Power Modules

PCN Type:

Manufacturing Change

Notification Subject:

CCB 3582.001 Final Notice: Qualification of inductor LQM21PNR47MCHL for selected Micrel MIC38150HYHL-TR and MIC38300HYHL-TR catalog part numbers (CPN) available in 28L VQFN (4x6x0.9mm) package.

Affected CPNs:

[ALAN-14CQYK486_Affected_CPN_11182021.pdf](#)

[ALAN-14CQYK486_Affected_CPN_11182021.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 LQM21PNR47MCHL for selected Micrel MIC38150HYHL-TR and MIC38300HYHL-TR catalog part numbers (CPN) available in 28L VQFN (4x6x0.9mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change

Assembly Site		Unisem (M) Berhad (UNIS)	Unisem (M) Berhad (UNIS)
Wire material		Au	Au
Die attach material		8290	8290
Molding compound material		G770HCD	G770HCD
Lead frame material		A194	A194
Inductor	Material	74479977147	LQM21PNR47MCHL
	Inductance	0.47uH	0.47uH
	Package dimension	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 LQM21PNR47MCHL.

Change Implementation Status:In Progress

Estimated First Ship Date:December 30, 2021 (date code: 2153)

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 2021				
	45	46	47	48	49	50	51	52	53
Qual Report Availability			X						
Final PCN Issue Date			X						
Estimated First Ship 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.

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

MIC38300HYHL-TR