

Product Change Notification / CAAN-24LHXO485

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03-Oct-2023

Product Category:

Broadband Gateway

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6150 Final Notice: Qualification of a new die size (131.5x76.1mils) for Die #1 of selected Microsemi LE9642PQC, LE9642PQCT, LE9652PQC, ZL88107LDG1, LE9652PQCT and ZL88107LDF1 catalog part numbers (CPN) available in 48L VQFN (7x7x1mm) package.

Affected CPNs:

CAAN-24LHXO485_Affected_CPN_10032023.pdf CAAN-24LHXO485_Affected_CPN_10032023.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 a new die size (131.5x76.1mils) for Die #1 of selected Microsemi LE9642PQC, LE9642PQCT, LE9652PQC, ZL88107LDG1, LE9652PQCT and ZL88107LDF1 catalog part numbers (CPN) available in 48L VQFN (7x7x1mm) package.

Pre and Post Change Summary:

Pre Change	Post Change
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Fabrication Die # 1			dries - Fab 7; (12") (GF07)	Global Foundries - Fab 7; Singapore (12") (GF07)				
Location	Die # 2	Global Foundries - Fab 2; Singapore (8") (GF02)		Global Foundries - Fab 2; Singapore (8") (GF02)				
	142x89 mils				131.5x76.1 mils			
Die Size	Die # 1	Please see at	tached pre and pos Loca	t change comparison for Die # 1 ition				
	Die # 2	119.7x76 mils	119.7x68.5 mils	119.7x76 mils	119.7x68.5 mils			
Assemb	Assembly Site ASE Group - Malaysia (ASEM)		alaysia (ASEM)	ASE Group -Malaysia (ASEM)				
Wire Ma	aterial	CuPd		CuPdAu				
Die Attach	Die Attach Material CRM1076DS		CRM1076DS					
Molding Compound Material		CEL-9240HF10AK-G1		CEL-9240HF10AK-G1				
Lead Frame	Material	C194		C194				

Impacts to Data Sheet:

None

Change Impact:None

Reason for Change:To improve productivity by qualifying a new die size.

Change Implementation Status:In Progress

Estimated First Ship Date:October 31, 2023 (date code: 2344)

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

Time Table Summary:

	August 2023					>	October 2023				
Workweek	3 1	3 2	3	3 4	3 5		4 0	4 1	4 2	4 3	4 4
Initial PCN Issue Date	Х										
Qual Report Availability							Х				
Final PCN Issue Date							Х				
Estimated											Х

Implementation						
Date						

Method to Identify Change: Traceability code

Qualification Report:Please open the attachments included with this PCN labeled as: PCN_JAON-24EPKL576_Qual_Report for bond wire qualification.

Revision History:August 1, 2023: Issued initial notification.

October 3, 2023: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on October 31, 2023.

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

Attachments:

PCN_CAAN-24LHXO485 Qual Report.pdf PCN_CAAN-24LHXO485_Pre and Post Change Summary.pdf

Please contact your local Microchip sales office with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to <u>receive Microchip PCNs via email</u> please register for our PCN email service at our <u>PCN</u> home page select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the <u>PCN FAQ</u> section.

If you wish to <u>change your PCN profile</u>, <u>including opt out</u>, please go to the <u>PCN home page</u> select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

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Affected Catalog Part Numbers (CPN)

LE9642PQC

LE9642PQCT

LE9652PQC

ZL88107LDG1

LE9652PQCT

ZL88107LDF1

Date: Monday, October 2, 2023