

Product Change Notification / JAON-28QFPB827

\neg	_	ı	_	_
ı)	а	т	Δ	•
ப	а	L	G	

24-May-2022

Product Category:

Broadband Gateway

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5014 Initial Notice: Qualification of a new die size (1.932x1.860mm) for Die #1 of selected Microsemi LE9641PQC, LE9651PQC, LE9641PQCT, and LE9651PQCT catalog part numbers (CPN) available in 48L VQFN (7x7x1.0mm) package assembled at ASEM assembly site.

Affected CPNs:

JAON-28QFPB827_Affected_CPN_05242022.pdf JAON-28QFPB827_Affected_CPN_05242022.csv

Notification Text:

PCN Status:Initial 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 (1.932x1.860mm) for Die #1 of selected Microsemi LE9641PQC, LE9651PQC, LE9641PQCT, and LE9651PQCT catalog part numbers (CPN) available in 48L VQFN (7x7x1.0mm) package assembled at ASEM assembly site.

Pre and Post Change Summary:

		Pre Ch	nange	Post Change			
	Die # 1	Global Foundries, Singapore - Fab 7 (GF07)		Global Foundries, Singapore - Fa 7 (GF07)			
Fabrication Location Die # 2		Global Foundries, Singapore - Fab 2 (GF02)	Microchip Technology Colorado – Fab 5 (MCSO)	Global Foundries, Singapore - Fab 2 (GF02)	Microchip Technology Colorado – Fab 5 (MCSO)		
Die Size	Die # 1	2.204 x 2 Please see att	.258 mm ached pre and pos	1.932x1.860mm st change comparison for Die # 1			
Die	Die # 2	1.57 x 1	.72 mm	1.57 x 1.72 mm			
Assembly Site ASE Gro		ASE Group -Ma	alaysia (ASEM)	ASE Group -Malaysia (ASEM)			
Wire Material		CuP	dAu	CuPdAu			
Die Attach Material (CRM1	076DS	CRM1076DS			
Molding Compound Material		CEL-9240HF10AK-G1		CEL-9240HF10AK-G1			
Lead Frame Material		C19	4FH	C194FH			

Impacts to Data Sheet:None

Change ImpactNone

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

Change Implementation Status:In Progress

Estimated Qualification Completion Date:June 2022

Please be advised the qualification completion times may be extended because of unforeseen business conditions however 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 estimated first ship date. 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:

	May 2022			June 2022					
Workweek	1	2	2	2	2	2	2	2	2

	9	0	1	2	3	4	5	6	7
Initial PCN Issue				V					
Date				^					
Qual Report							>		
Availability							^		
Final PCN Issue							<		
Date							^		

Method to Identify Change:Traceability code

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

Revision History:May 24, 2022: 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.

Attachments:

PCN_JAON-28QFPB827_Pre and Post Change_Summary.pdf PCN_JAON-28QFPB827_Qual_Plan.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, 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.

JAON-28QFPB827 - CCB 5014 Initial Notice: Qualification of a new die size (1.932x1.860mm) for Die #1 of selected Microsemi LE9641PQC, LE9651PQC, LE9641PQCT, and LE9651PQCT catalog part numbers (CPN) available in 48L VQFN (7x7x1.0mm) package assembled at ASEM assembly site.

Affected Catalog Part Numbers (CPN)

LE9641PQC

LE9651PQC

LE9641PQCT

LE9651PQCT

Date: Monday, May 23, 2022