

Product Change Notification / MFOL-27NGYT078

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25-Mar-2024

Product Category:

OTN Processors & PHYs

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6406 Final Notice: Qualification of SR1 as an additional substrate material for selected PM599xx and PM598xx device families available in 1932L BBGA (45x45x4.00mm) package at ATK assembly site.

Affected CPNs:

MFOL-27NGYT078_Affected_CPN_03252024.pdf MFOL-27NGYT078_Affected_CPN_03252024.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 SR1 as an additional substrate material for selected PM599xx and PM598xx device families available in 1932L BBGA (45x45x4.00mm) package at ATK assembly site.

Pre and Post Change Summary:

Assembly Site	Amkor Technology Korea (K4), INC	Amkor Technology Korea (K4), INC	Amkor Technology Korea (K4), INC		
	(ATK)	(ATK)	(ATK)		
Core Material	E705G	E705G	E705G		
SM Material	AUS - 703	AUS - 703	SR1		
Substrate Process	ABF GZ41	ABF GZ41	ABF GL 102		
Bump Material	Sn1.8Ag	Sn1.8Ag	Sn1.8Ag		
Die Attach Material	SCF-5	SCF-5	SCF-5		
Underfill Material	NAU-27-1F	NAU-27-1F	NAU-27-1F		
Solder Ball Material	SAC305	SAC305	SAC305		

Impacts to Data Sheet:None

Change ImpactNone

Reason for Change:To improve manufacturability by qualifying SR1 as an additional substrate material at ATK assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date: April 30, 2025 (date code: 2518)

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

Time Table Summary:

	July 2023			>	March 2024			>	April 2025								
Workweek	27	28	29	30	31		09	10	11	12	13		14	15	16	17	18
Initial PCN Issue Date				Х													
Qual Report Availability											Х						
Final PCN Issue Date											Х						
Estimated Implementation Date																	Х

Method to Identify Change:Traceability code

Qualification Report:Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.

Revision History: July 28, 2023: Issued initial notification.

March 25, 2024: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on April 30, 2025.

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

Attachments:

PCN_MFOL-27NGYT078_Qual_Report.pdf

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

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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)

PM5993B-FEI

PM5992B-FEI

PM5991B-FEI

PM5990B-FEI

PM5985B-FEI

PM5984B-FEI

PM5981B-FEI

PM5980B-FEI

PM5998B-FEI

PM5997B-FEI PM5991B-FEI-PD

Date: Sunday, March 24, 2024