



## Product Change Notification / MFOL-27NGYT078

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**Date:**

28-Jul-2023

**Product Category:**

OTN Processors & PHYs

**PCN Type:**

Manufacturing Change

**Notification Subject:**

CCB 6406 Initial 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\\_07282023.pdf](#)  
[MFOL-27NGYT078\\_Affected\\_CPN\\_07282023.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 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:**

	Pre Change	Post Change
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Assembly Site	Amkor Technology Korea (K4), INC  (ATK)	Amkor Technology Korea (K4), INC  (ATK)	Amkor Technology Korea (K4), INC  (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 Impact:**None

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

**Change Implementation Status:**In Progress

**Estimated Qualification Completion Date:**September 2023

Note: 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:**

	July 2023					>	September 2023				
Workweek	27	28	29	30	31		35	36	37	38	39
Initial PCN Issue Date				x							
Qual Report Availability											x
Final PCN Issue Date											x

**Method to Identify Change:**Traceability code

**Qualification Plan:**Please open the attachments included with this PCN labeled as PCN\_#\_Qual\_Plan.

**Revision History:**July 28, 2023: 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\\_MFOL-27NGYT078\\_Qual Plan.pdf](#)

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

## **Terms and Conditions:**

If you wish to receive Microchip PCNs via email please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

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