



Product Change Notification / RMES-07XGHT586

Date:

07-Oct-2021

Product Category:

OTN Processors & PHYs

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4700 Final Notice: Qualification of an additional bill of materials for PM5456A-FEI, PM5451A-FEI and PM5450A-FEI Microsemi catalog part numbers (CPN) available in 1517L BBGA (40x40x3.22mm) package at ATK assembly site.

Affected CPNs:

[RMES-07XGHT586_Affected_CPN_10072021.pdf](#)
[RMES-07XGHT586_Affected_CPN_10072021.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 an additional bill of materials for PM5456A-FEI, PM5451A-FEI and PM5450A-FEI Microsemi catalog part numbers (CPN) available in 1517L BBGA (40x40x3.22mm) package at ATK assembly site.

Pre and Post Change Summary:

	Pre Change	Post Change

Assembly Site		Amkor Technology Korea (K4), INC (ATK)	Amkor Technology Korea (K4), INC (ATK)	
Bump material		Sn1.8Ag	Sn1.8Ag	
Die attach material	Part Number	SCF-5	SCF-5	
	Conductive	No	No	
Under fill material		NAU-27-1F	NAU-27-1F	
Substrate Material	Core Material	E679FGR	E679FGR	E705G
	Solder mask	AUS703	AUS703	
	Process	GX13	GX13	GX92
Solder Ball		SAC305	SAC305	

Impacts to Data Sheet:

None

Change Impact: None

Reason for Change:

To improve productivity and on-time delivery performance by qualifying an additional bill of materials for PM5456A-FEI, PM5451A-FEI and PM5450A-FEI Microsemi catalog part numbers (CPN) available in 1517L BBGA (40x40x3.22mm) package at ATK assembly site.

Change Implementation Status: In Progress

Estimated First Ship Date:

October 30, 2021 (date code: 2144)

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

Due to unforeseen circumstances, that are out of Microchip's control, full qualification will be made available as soon as it is approved which may be after the estimated first ship date so that Microchip can maintain continuity of supply and not disrupt customer orders.

Time Table Summary:

Workweek	June 2021					>	October 2021					November 2021				
	23	24	25	26	27		40	41	42	43	44	45	46	47	48	49
Initial PCN Issue Date		X														
Qual Report Availability																X
Final PCN Issue Date							X									
Estimated Implementation Date											X					

Method to Identify Change: Traceability code

Estimated Qualification Completion Date: November 2021

Note 1: This final PCN will be updated to include the Qualification report as soon as it is completed. Note 2: Please be advised the qualification completion times may be extended because of unforeseen business conditions

Revision History: June 07, 2021: Issued initial notification. October 7, 2021: Issued final notification. Added Estimated First Ship date by October 30, 2021.

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

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

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