



Product Change Notification / KSRA-04BPKL343

Date:

15-Oct-2021

Product Category:

SAS Silicon & SW

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4582 Final Notice: Qualification of an additional substrate material for selected Microsemi PM823xx and PM824xx device families available in 1069L BFBGA (27x27x3.26mm) package at ATK assembly site

Affected CPNs:

[KSRA-04BPKL343_Affected_CPN_10152021.pdf](#)

[KSRA-04BPKL343_Affected_CPN_10152021.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 substrate material for selected Microsemi PM823xx and PM824xx device families available in 1069L BFBGA (27x27x3.26mm) 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)	Amkor Technology Korea (K4), INC (ATK)

Bump Material	Sn1.8Ag	Sn1.8Ag	Sn1.8Ag
Die Attach Epoxy	SCF5	SCF5	SCF5
Underfill	PAU-1	PAU-1	PAU-1
Substrate Core Material	E700GR	E700GR	E705GR
SM Material	AUS703	AUS703	SR7300GR
Solder Ball Material	SAC305	SAC305	SAC305

Impacts to Data Sheet: None.

Change Impact: None.

Reason for Change: To improve productivity by qualifying an additional substrate material for selected Microsemi PM823xx and PM824xx device families.

Change Implementation Status: In Progress

Estimated First Ship Date: July 1, 2021 (date code: 2127)

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

Time Table Summary:

Workweek	May 2021					June 2021					July 2021					>	October 2021				
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	40	41	42	43	44		
Initial PCN Issue Date			X																		
Final PCN Issue Date									X												
Qual Report Availability																		X			
Estimated First Ship Date										X											

Method to Identify Change: Traceability code

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

Revision History: **May 10, 2021:** Issued initial notification. **June 21, 2021:** Issued final notification. Provided estimated first ship date to be July 1, 2021. **October 15, 2021:** Re-issued final notification. Attached the qualification report. Updated the Timetable summary for Qual report availability from WW49 to WW42.

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

Attachments:

[PCN_KSRA-04BPKL343_Qual Report.pdf](#)

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

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