



Product Change Notification / GBNG-17XVGR215

Date:

29-Dec-2020

Product Category:

PON ONU/OLT Devices

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4511 Initial Notice: Qualification of ATK and STAR as a new assembly site and ATK as a new final test site for Microsemi PAS6413A-F3GC catalog part number (CPN) available in 170L FBGA (10x10x2.25mm) package.

Affected CPNs:

[GBNG-17XVGR215_Affected_CPN_12292020.pdf](#)

[GBNG-17XVGR215_Affected_CPN_12292020.csv](#)

Notification Text:**PCN Status:**

Initial notification

PCN Type:

Manufacturing Change

Microchip Parts Affected:

Please open one of the icons found in the Affected CPNs section above.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

Description of Change:

Qualification of ATK and STAR as a new assembly site and ATK as a new final test site for Microsemi PAS6413A-F3GC catalog part number (CPN) available in 170L FBGA (10x10x2.25mm) package.

Pre Change:

Assembled and final tested at STAK site.

Post Change:

Assembled at ATK / STAR assembly site and tested at ATK final test site.

Pre and Post Change Summary:

	Pre Change	Post Change
Assembly Site	Stats Chippac Korea Ltd. / (STAK)	Amkor Technology Korea (K4), INC / (ATK) And Stars Microelectronics (Thailand) Public Company Limited / (STAR)
Assembly site (bottom package)	Stats Chippac Korea Ltd. / (STAK)	Amkor Technology Korea (K4), INC / (ATK)
Pre-stack Process (bottom and memory package)	Stats Chippac Korea Ltd. / (STAK)	Stars Microelectronics (Thailand) Public Company Limited / (STAR)
Final test	Stats Chippac Korea Ltd. / (STAK)	Amkor Technology Korea (K4), INC / (ATK)
Bump material	SnAg	SnAg
Underfill material	U8410-73C	NAU-27
Process Flow	See attached pre and post change comparison	
Marking (Country of Origin)	Korea	Thailand

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve productivity by qualifying ATK and STAR as a new assembly site and ATK as a new final test site.

Change Implementation Status:

In Progress

Estimated Qualification Completion Date:

October 2021

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:

	December 2020					→	October 2021				
Workweek	49	50	51	52	53		40	41	42	43	44
Initial PCN Issue Date					X						
Qual Report Availability							X				
Final PCN Issue Date							X				

Method to Identify Change:

Traceability code, marking

Qualification Plan:

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

Revision History:

December 29, 2020: 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_GBNG-17XVGR215_Qual_Plan.pdf](#)

[PCN_GBNG-17XVGR215_Pre_and_Post_Change_Summary.pdf](#)

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

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