



Product Change Notification / GBNG-01CETU513

Date:

18-Dec-2020

Product Category:

8-bit Microcontrollers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4427 Initial Notice: Qualification of NSEB as a new assembly site for selected Atmel ATXMEGA device family available in 64L (9x9x1mm) VQFN package.

Affected CPNs:

[GBNG-01CETU513_Affected_CPN_12182020.pdf](#)

[GBNG-01CETU513_Affected_CPN_12182020.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 NSEB as a new assembly site for selected Atmel ATXMEGA device family available in 64L (9x9x1mm) VQFN package.

Pre Change:

Assembled at ASKR assembly site using palladium coated copper (PdCu) or gold (Au) bond wire, EN-4900GC die attach, PPF lead plating and lead frame without lead lock.

Post Change:

Assembled at NSEB assembly site using palladium coated copper with gold flash (CuPdAu) bond wire, 8600 die attach, Matte Sn lead plating and lead frame with lead lock.

Pre and Post Change Summary:

		Pre Change		Post Change
Assembly Site		ASE Korea Inc. (ASKR)		UTAC Thai Limited (NSEB)
Wire material		PdCu	Au	CuPdAu
Die attach material		EN-4900GC		8600
Molding compound material		G700		G700
Lead frame	Material	C194		C194
	Design	Please see attached pre and post change comparison		
Lead Plating Finish		PPF		Matte Sn
Lead-lock		No		Yes

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve on-time delivery performance by qualifying NSEB as a new assembly site.

Change Implementation Status:

In Progress

Estimated Qualification Completion Date: August 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					→	August 2021				
Workweek	49	50	51	52	53		32	33	34	35	36
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:

December 18, 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-01CETU513_Pre_and_Post_Change Summary.pdf](#)

[PCN_GBNG-01CETU513 Qual Plan.pdf](#)

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

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