



Product Change Notification / GBNG-03JWKQ486

Date:

09-Nov-2021

Product Category:

32-bit Microcontrollers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4443 Final Notice: Qualification of G631HQ mold compound material for selected Atmel AT32UC3Axxx and AT32UC3Cxxx device families available in 144L LQFP (20x20x1.4mm) package at ANAP assembly site.

Affected CPNs:

[GBNG-03JWKQ486_Affected_CPN_11092021.pdf](#)

[GBNG-03JWKQ486_Affected_CPN_11092021.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 G631HQ mold compound material for selected Atmel AT32UC3Axxx and AT32UC3Cxxx device families available in 144L LQFP (20x20x1.4mm) package at ANAP assembly site.

Pre and Post Change Summary:

	Pre Change	Post Change
Assembly Site	Amkor Technology Philippine	Amkor Technology Philippine

	(P1/P2), INC. / ANAP		(P1/P2), INC. / ANAP	
Wire material	AuPd		AuPd	
Die attach material	3230		3230	
Molding compound material	G700L		G631HQ	
Lead frame material	C194		C194	
Lead frame paddle size	276x276 mils	236x236 mils	276x276 mils	
Lead frame design	See attached pre and post change comparison			

Impacts to Data Sheet: None

Change Impact:None

Reason for Change:To improve manufacturability by qualifying G631HQ mold compound material with 276x276 mils lead frame paddle size at ANAP assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date:December 10, 2021 (date code: 2150)

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

Time Table Summary:

	November 2021				December 2021				
	45	46	47	48	49	50	51	52	53
Workweek									
Qual Report Availability		X							
Final PCN Issue Date		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:**November 5, 2020:** Issued initial notification.**November 9, 2021:** Issued final notification. Attached the qualification report and added estimated first ship date by December 10, 2021.

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-03JWKQ486_Qual Report.pdf](#)
[PCN_GBNG-03JWKQ486_Pre and Post Change Summary.pdf](#)

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

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Affected Catalog Part Numbers (CPN)

AT32UC3A0512-ALTTA
AT32UC3A0512-ALTRA
AT32UC3A3128-ALUT
AT32UC3A3128S-ALUT
AT32UC3A3256-ALUT
AT32UC3A3256S-ALUT
AT32UC3A364-ALUT
AT32UC3A364S-ALUT
AT32UC3A3256-ALUTA1
AT32UC3A3256AU-ALUTA1
AT32UC3A3128-ALUR
AT32UC3A3128S-ALUR
AT32UC3A3256-ALUR
AT32UC3A3256S-ALUR
AT32UC3A364-ALUR
AT32UC3A364S-ALUR
AT32UC3A0512-ALUT
AT32UC3A0512-ALUR
AT32UC3C0512C-ALZT
AT32UC3C0128C-ALUT
AT32UC3C0256C-ALUT
AT32UC3C0512C-ALUT
AT32UC3C064C-ALUT
AT32UC3C0128C-ALUR
AT32UC3C064C-ALUR
AT32UC3C0512C-ALUR
AT32UC3C0256C-ALUR
AT32UC3C0512C-ALZR
AT32UC3A0128-ALUT
AT32UC3A0256-ALUT
AT32UC3A0128-ALUR
AT32UC3A0256-ALUR