



Product Change Notification / ALAN-07GWEE835

Date:

29-Nov-2022

Product Category:

8-bit Microcontrollers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5064 Final Notice: Qualification of G700LA as a new mold compound material for selected ATMEGA64xx, ATMGA16xx, ATMEGA25xx and ATMEGA32xx device families available in 64L VQFN (9x9x1.0 mm) package.

Affected CPNs:

[ALAN-07GWEE835_Affected_CPN_11292022.pdf](#)

[ALAN-07GWEE835_Affected_CPN_11292022.csv](#)

Notification Text:

Notification Body:

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 G700LA as a new mold compound material for selected ATMEGA64xx, ATMGA16xx, ATMEGA25xx and ATMEGA32xx device families available in 64L VQFN (9x9x1.0 mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change
Assembly Site	ASE Group Chung-Li (ASCL)	ASE Group Chung-Li (ASCL)
Wire Material	Au/Cu/PdCu	Au/Cu/PdCu
Die Attach Material	EN-4900GC	EN-4900GC
Molding Compound Material	CEL-9240	G700LA
Lead-Frame Material	C194	C194
Lead-Frame Paddle Size	228x228/ 311x311	228x228/ 311x311
DAP Surface Prep	Ring/ Double Ring	Ring/ Double Ring

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve manufacturability by qualifying G700LA as new mold compound material.

Change Implementation Status:In Progress

Estimated First Ship Date:December 23, 2022 (date code: 2252)

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

Time Table Summary:

	March 2022					>	November 2022					December 2022			
Workweek	1 0	1 1	1 2	1 3	1 4		4 5	4 6	4 7	4 8	4 9	5 0	5 1	52	53
Initial PCN Issue Date		X													
Qual Report Availability											X				
Final PCN Issue Date											X				
Estimated Implementation 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:March 10, 2022: Issuance of Initial notification.

November 29, 2022: Issuance of Final notification. Attached Qual Report and added estimated first ship date on December 23, 2022.

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

Attachments:

[PCN_ALAN-07GWEE835 Qual Report.pdf](#)

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

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Affected Catalog Part Numbers (CPN)

ATMEGA645P-MU
ATMEGA649A-MU
ATMEGA645A-MU
ATMEGA649P-MU
ATMEGA649A-MUR
ATMEGA645P-MUR
ATMEGA645A-MUR
ATMEGA649P-MUR
ATMEGA169P-16MU
ATMEGA169PV-8MU
ATMEGA165PV-8MU
ATMEGA169P-16MUR
ATMEGA169PV-8MUR
ATMEGA165PV-8MUR
ATMEGA169PV-8MURA1
ATMEGA325P-20MU
ATMEGA329PV-10MU
ATMEGA329P-20MU
ATMEGA329PV-10MN
ATMEGA329P-20MN
ATMEGA329P-20MNR
ATMEGA329P-20MUR
ATMEGA329PV-10MUR
ATMEGA2561V-8MUA0
ATMEGA2561V-8MURA0