



Product Change Notification / ALAN-27SQAT425

Date:

09-Jan-2023

Product Category:

General Purpose FPGAs

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6039 and 6047 Initial Notice: Qualification of U08D as an additional fabrication location and qualification of GE100L as an additional mold compound for selected A3P1000 FPGA Automotive device families available in 484L PBGA (23x23x2.44mm) package.

Affected CPNs:

[ALAN-27SQAT425_Affected_CPN_01092023.pdf](#)

[ALAN-27SQAT425_Affected_CPN_01092023.csv](#)

Notification Text:

PCN Status:Initial 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 U08D as an additional fabrication location and qualification of GE100L as an additional mold compound for selected A3P1000 FPGA Automotive device families available in 484L PBGA (23x23x2.44mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change	
Fabrication Location	Infineon Technologies Germany (INFG)	Infineon Technologies Germany (INFG)	United Microelectronics Corporation – Fab 8D Hsin-Chu Taiwan (U08D)
Assembly Site	Amkor Technology Philippines (P3/P4), INC. (ATP7)	Amkor Technology Philippines (P3/P4), INC. (ATP7)	Amkor Technology Philippines (P3/P4), INC. (ATP7)
Wire Material	Au	Au	Au
Die Attach Material	2300	2300	2300
Molding Compound Material	G770LE	G770LE	GE100L
Substrate Material	HL832NXA	HL832NXA	HL832NXA

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve manufacturability and on-time delivery performance by qualifying of U08D as an additional fabrication location and qualification of GE100L as an additional mold compound for selected A3P1000 FPGA Automotive device families available in 484L PBGA (23x23x2.44mm) package.

Change Implementation Status:In Progress

Estimated Qualification Completion Date:July 2023

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:

	January 2022					>	July 2023				
Workweek	1	2	3	4	5		27	28	29	30	31
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:January 09, 2023: 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_ALAN-27SQAT425_Qual Plan.pdf](#)

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

Terms and Conditions:

If you wish to receive Microchip PCNs via email please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

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Affected Catalog Part Numbers (CPN)

A3P1000-1FG484T

A3P1000-FG484T

A3P1000-1FGG484T

A3P1000-FGG484T