



Product Change Notification / LIAL-23CCBP390

Date:

25-Jun-2021

Product Category:

AntiFuse FPGAs, General Purpose FPGAs, System On Chip FPGAs

PCN Type:

Manufacturing Change

Notification Subject:

Memo # ML062021004D & TRB# WW22: Initial Notice: Qualification of ASEM as a new assembly site for selected Microsemi products available in 144L, 256L, and 324L LFBGA, 281L and 288L TFBGA packages.

Affected CPNs:

[LIAL-23CCBP390_Affected_CPN_06252021.pdf](#)

[LIAL-23CCBP390_Affected_CPN_06252021.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 ASEM as a new assembly site for selected Microsemi products available in 144L, 256L, and 324L LFBGA, 281L and 288L TFBGA packages.

Pre and Post Change Summary:

	Pre-Change	Post Change
Assembly Site	UTAC Dongguan Limited (UDG)	ASE Group -Malaysia (ASEM)

Wire material	Au	CuPd	Au	CuPdAu
	Refer to attached excel file for details of material change by device.			
Die attach material	CRM-1076WB	CRM1525D	Ablebond 2100A	
	Refer to attached excel file for details of material change by device.			
Molding compound material	KE-G1250LKDS-30		G750E	
	Refer to attached excel file for details of material change by device.			
Solder Ball	SAC305	SnPb	SAC305	SnPb
	Refer to attached excel file for details of material change by device.			

Impacts to Data Sheet:None.

Change Impact:None

Reason for Change:

To improve productivity by qualifying ASEM as a new assembly site.

Note: Because of capacity constraints that have been observed throughout the industry there may be limited or no inventory available as identified in the pre-change.

Change Implementation Status:In Progress

Estimated Qualification Completion Date:December 15, 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:

Workweek	June 2021					-->	December 2021				
	23	24	25	26	27		49	50	51	52	53
Initial PCN Issue Date				X							
Qual Report Availability								X			
Final PCN Issue Date								X			

Method to Identify Change:1. Traceability code2. Parts can be identified by Country of Origin marked on the unit. CHN (China) for devices built at UDG. MYS (Malaysia) for devices built at ASEM.

Qualification Plan:Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan

Revision History:June 25, 2021: 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_LIAL-23CCBP390_Affected CPN list_PN_List_UDG_ASEM.xlsx](#)

[PCN_LIAL-23CCBP390_Qual plan_PA-233.pdf](#)

[PCN_LIAL-23CCBP390_Qual plan_AEC-PA-008.pdf](#)

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

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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.

Affected Catalog Part Numbers (CPN)

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M7A3P1000-1FG256I
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M7A3P1000-1FGG256I
M7A3P1000-2FG256
M7A3P1000-2FG256I
M7A3P1000-2FGG256
M7A3P1000-2FGG256I
M7A3P1000-FG256
M7A3P1000-FG256I
M7A3P1000-FGG256
M7A3P1000-FGG256I
A3P125-1FG144
A3P125-1FG144I
A3P125-1FG144T
A3P125-1FGG144
A3P125-1FGG144I
A3P125-1FGG144T
A3P125-2FG144
A3P125-2FG144I
A3P125-2FGG144
A3P125-2FGG144I
A3P125-FG144
A3P125-FG144I
A3P125-FG144T
A3P125-FGG144

A3P125-FGG144GW
A3P125-FGG144I
A3P125-FGG144IPW48
A3P125-FGG144PR85
A3P125-FGG144T
A3P125-FGG144X277
A3P250-1FG144
A3P250-1FG144I
A3P250-1FG144IX94
A3P250-1FG144M
A3P250-1FG144T
A3P250-1FGG144
A3P250-1FGG144I
A3P250-1FGG144T
A3P250-2FG144
A3P250-2FG144I
A3P250-2FGG144
A3P250-2FGG144I
A3P250-FG144
A3P250-FG144I
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A3P250-FG144T
A3P250-FGG144
A3P250-FGG144I
A3P250-FGG144IX7
A3P250-FGG144T
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A3P250L-FGG144
A3P250L-FGG144I
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M1A3P250-2FG144I
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A3P250-2FG256
A3P250-2FG256I

A3P250-2FGG256
A3P250-2FGG256I
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A3P250-FG256I
A3P250-FG256IX94
A3P250-FG256T
A3P250-FGG256
A3P250-FGG256GW
A3P250-FGG256I
A3P250-FGG256T
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A3P250-FGG256X399
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A3P250L-FGG256
A3P250L-FGG256I
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A3P400-1FGG144
A3P400-1FGG144I
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APA450-FGG256A
APA450-FGG256I
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APA450-FGG256IQ304
APA450-FGG256IQ305
APA450-FGG256IXN10
APA450-FGG256IXN11
APA450-FGG256IXV52
APA450-FGG256Q300
APA450-FGG256Q301
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APA600-FG256M
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APA600-FGG256A
APA600-FGG256I
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APA600-FGG256M
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A2F200M3F-1CS288I
A2F200M3F-1CSG288
A2F200M3F-1CSG288I
A2F200M3F-CS288
A2F200M3F-CS288I
A2F200M3F-CSG288
A2F200M3F-CSG288I
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M1AFS250-FG256I
M1AFS250-FGG256
M1AFS250-FGG256I
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U1AFS250-FG256I
U1AFS250-FGG256
U1AFS250-FGG256I
AGL600V2-CS281
AGL600V2-CS281I
AGL600V2-CSG281
AGL600V2-CSG281I
AGL600V5-CS281
AGL600V5-CS281I
AGL600V5-CSG281
AGL600V5-CSG281I
M1AGL600V2-CS281
M1AGL600V2-CS281I
M1AGL600V2-CSG281

M1AGL600V2-CSG281I
M1AGL600V5-CS281
M1AGL600V5-CS281I
M1AGL600V5-CSG281
M1AGL600V5-CSG281I
APA450-FG144
APA450-FG144A
APA450-FG144I
APA450-FGG144
APA450-FGG144A
APA450-FGG144I
AX250-1FG256
AX250-1FG256I
AX250-1FG256M
AX250-1FGG256
AX250-1FGG256I
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AX250-2FG256
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AX250-2FGG256I
AX250-FG256
AX250-FG256I
AX250-FG256M
AX250-FGG256
AX250-FGG256I
AX250-FGG256M