



Product Change Notification / LIAL-23CCBP390

Date:

15-Feb-2022

Product Category:

AntiFuse FPGAs, General Purpose FPGAs, System On Chip FPGAs

PCN Type:

Manufacturing Change

Notification Subject:

eSign # E000089324 Final 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_02152022.pdf](#)

[LIAL-23CCBP390_Affected_CPN_02152022.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 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	ASE Group -Malaysia

	(UDG)		(ASEM)	
	Au	CuPd	Au	CuPdAu
Wire material	Refer to attached excel file for details of material change by device.			
Die attach material	CRM-1076WB	CRM1525D	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 First Ship Date:February 28, 2022 (date code: 2210)

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

Time Table Summary:

	June 2021					>	February 2022				
Workweek	2	2	2	2	2		0	0	0	0	1
	3	4	5	6	7		6	7	8	9	0
Initial PCN Issue Date				X							

Qual Report Availability									X			
Final PCN Issue Date									X			
Estimated Implementation Date												X

Method to Identify Change:1. Traceability code

2. 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 Report:Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.

Revision History:

June 25, 2021: Issued initial notification.

February 10, 2022: Issued final Notification under eSign# E000089324. Initial PCN was issued with reference Memo # ML062021004D & TRB# WW22. Attached the qualification report. Provided estimated first ship date to be on February 28, 2022.

February 15, 2022: Re-issued the Final notification to correct the affected CPN list.

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_with materials.pdf](#)
- [PCN_LIAL-23CCBP390_Affected CPN_with materials.xlsx](#)
- [PCN_LIAL-23CCBP390_Qual Report_PA-237_Au wire.pdf](#)
- [PCN_LIAL-23CCBP390_Qual Report_PA-233_CuPdAu wire.pdf](#)

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

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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.

Affected Catalog Part Numbers (CPN)

A3P1000-1FGG256
A3P1000-1FGG256I
A3P1000-1FGG256M
A3P1000-1FGG256T
A3P1000-2FG256
A3P1000-2FG256I
A3P1000-2FG256IX45
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A3P1000-2FGG256
A3P1000-2FGG256I
A3P1000-2FGG256M
A3P1000-FG256
A3P1000-FG256I
A3P1000-FG256IX277
A3P1000-FG256IX538
A3P1000-FG256M
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A3P1000-FGG256I
A3P1000-FGG256IX277
A3P1000-FGG256IX377
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A3P1000-FGG256X53
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M1AGL600V5-CSG281I
APA450-FG144
APA450-FG144A
APA450-FG144I
APA450-FGG144
APA450-FGG144A
APA450-FGG144I
AX250-1FG256
AX250-1FG256I
AX250-1FG256M
AX250-1FGG256
AX250-1FGG256I
AX250-1FGG256M
AX250-2FG256
AX250-2FG256I
AX250-2FGG256
AX250-2FGG256I

AX250-FG256
AX250-FG256I
AX250-FG256M
AX250-FGG256
AX250-FGG256I
AX250-FGG256M
M1A3P600-1FGG256
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M1A3P600-2FG256
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M1A3P600-2FGG256I
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M1A3P600-FG256I
M1A3P600-FGG256
M1A3P600-FGG256I
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A3PE3000-1FG324I
A3PE3000-1FGG324
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A3P600-FG256
A3P600-FG256I
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A3P600-FGG256I
A3P600-FGG256IPR23
A3P600-FGG256IPZ69
M1A3P600-1FG256
M1A3P600-1FG256I
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A3P125-FGG144GW
A3P250-FGG256GW
AFS1500-FG256IDX402
AFS1500-FG256IX456
A2F200M3F-1FG256
A2F200M3F-1FG256I
A2F200M3F-1FG256IX3
A2F200M3F-1FGG256
A2F200M3F-1FGG256I
A2F200M3F-FG256
A2F200M3F-FG256I
A2F200M3F-FG256IX94
A2F200M3F-FG256YI
A2F200M3F-FGG256
A2F200M3F-FGG256I
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A2F500M3G-1CS288I
A2F500M3G-1CSG288
A2F500M3G-1CSG288I
A2F500M3G-1CSG288IQ091

A2F500M3G-1CSG288IZ091
A2F500M3G-1CSG288IZ265
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A2F500M3G-CS288I
A2F500M3G-CSG288
A2F500M3G-CSG288I
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A2F500M3G-1FG256I
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A2F500M3G-1FG256YI
A2F500M3G-1FGG256
A2F500M3G-1FGG256I
A2F500M3G-1FGG256IX3
A2F500M3G-1FGG256M
A2F500M3G-FG256
A2F500M3G-FG256I
A2F500M3G-FG256M
A2F500M3G-FGG256
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A2F500M3G-FGG256M
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A3P1000-2FGG144I

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A3P1000-FG144MX6
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A3P1000-FGG144T
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A3P250-FG144T
A3P250-FGG144
A3P250-FGG144I
A3P250-FGG144IX7
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