



## 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)	
Wire material	Au	CuPd	Au	CuPdAu
	Refer to attached excel file for details of material change by device.			
Die attach material	CRM-1076WB		CRM1525D	
	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
	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 3	2 4	2 5	2 6	2 7		0 6	0 7	0 8	0 9	1 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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