



Product Change Notification / LIAL-26JIWI938

Date:

29-Sep-2023

Product Category:

Wireless IC

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5172 Final Notice: Qualification of UTL as a new assembly site for MICRF112YMU-TR catalog part number (CPN) available in 10L X2DFN (2x2x0.4mm) package.

Affected CPNs:

[LIAL-26JIWI938_Affected_CPN_09292023.pdf](#)

[LIAL-26JIWI938_Affected_CPN_09292023.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 UTL as a new assembly site for MICRF112YMU-TR catalog part number (CPN) available in 10L X2DFN (2x2x0.4mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change
Assembly Site	Unisem (M) Berhad	UTAC Thai Limited (UTL-1)

		Perak, Malaysia / (UNIS)	LTD. / (UTL)
Wire Material		Au	Au
Die Attach Material		CRM1076NS	558-2C31
Molding Compound Material		G770HCD	G700LTD
Lead-Frame	Material	Au-Ni-Au	C194
	Paddle Size	43 X 55 mils (1.1x1.4mm)	51 x 67mils (1.3x1.7 mm)
	DAP Surface Prep	Au-Ni-Au	PPF
	See attached pre and post change comparison		
Package		X2DFN	UDFN

Impacts to Data Sheet:Yes. Package Outline Drawing (POD).

Dimension		Units	Millimeter					
		Symbol	Unisem POD			UTL POD (UDFN)		
			Min.	Nom.	Max	Min.	Nom.	Max
Body size	x	D	2.000 ± 0.050			2.00 ± 0.05		
	y	E	2.000 ± 0.050			2.00 ± 0.05		
Exposed Pad	x	D2	1.400 ± 0.030			1.40 ± 0.05		
	y	E2	1.100 ± 0.030			1.10 ± 0.05		
Pitch		e	0.40 BSC			0.40 BSC		
Overall Height		A	-	-	0.40	0.45	0.50	0.55
Standoff		A1	0	-	0.01	0	-	0.050
Terminal Width		b	0.200 ± 0.030			0.20 ± 0.05		
Terminal Length		L	0.200 ± 0.030			0.20 ± 0.05		
Terminal Pullback		L1				0.05 REF		
Terminal to Exposed-pad		K				0.23 ± 0.50		

Change ImpactNone

Reason for Change:To improve productivity by qualifying UTL as a new assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date:November 20, 2023 (date code: 2347)

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

Time Table Summary:

	July 2022					>	September 2023					>	November 2023				
Workweek	27	28	29	30	31		35	36	37	38	39		44	45	46	47	48
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:July 4, 2022: Issued initial notification.

September 29, 2023: Issued final notification. Attached the Qualification Report. Added change in package code and impact to datasheet. Provided estimated first ship date to be on November 20, 2023.

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-26JIWI938 Qual Report.pdf](#)

[PCN_LIAL-26JIWI938_Pre_and_Post_Change Summary.pdf](#)

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

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Affected Catalog Part Numbers (CPN)

MICRF112YMU-TR