



## Product Change Notification: MFOL-21LXWA131

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**Date:**

12-Jun-2025

**Product Category:**

Clock And Timing - Clock And Data Distribution

**Notification Subject:**

CCB 7210 Final Notice: Qualification of MTAI as a new assembly site for SY89322VMG-TR, SY89251VMG-TR, SY89250VMG-TR, SY89206VMG-TR, SY89323LMG-TR, SY89222LMG-TR, SY89329VMG-TR, SY89328LMG-TR, and SY89321LMG-TR catalog part numbers (CPN) available in 8L VDFN (2x2x0.9mm) package.

**Affected CPNs:**

[MFOL-21LXWA131\\_Affected\\_CPN\\_06122025.pdf](#)

[MFOL-21LXWA131\\_Affected\\_CPN\\_06122025.csv](#)

**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 MTAI as a new assembly site for SY89322VMG-TR, SY89251VMG-TR, SY89250VMG-TR, SY89206VMG-TR, SY89323LMG-TR, SY89222LMG-TR, SY89329VMG-TR, SY89328LMG-TR, and SY89321LMG-TR catalog part numbers (CPN) available in 8L VDFN (2x2x0.9mm) package.

**Pre and Post Summary Changes:**

	Pre Change	Post Change
<b>Assembly Site</b>	Unisem (M) Berhad Perak, Malaysia (UNIS)	Microchip Technology Thailand (HQ) (MTAI)
<b>Wire Material</b>	Au	Au

<b>Die Attach Material</b>	8290	QMI519
<b>Molding Compound Material</b>	G770HCD	G700LTD
<b>Lead-Frame Material</b>	A194	A194
<b>Lead-Frame DAP Surface Prep</b>	NiPdAu	Bare Cu
<b>Lead Plating</b>	NiPdAu	Matte Tin
<b>Lead-Frame Design</b>	See pre and post change for comparison.	

**Impacts to Datasheet:**

<b>Feature</b>	<b>Dimension</b>	<b>UNIS</b>			<b>MTAI</b>		
		<b>MIN</b>	<b>NOM</b>	<b>MAX</b>	<b>MIN</b>	<b>NOM</b>	<b>MAX</b>
Number of Pins	n	8			8		
Pitch	e	0.50 BSC			0.50 BSC		
Overall Height	A	0.80	0.85	0.90	0.80	0.90	1.00
Standoff	A1	0.00	0.02	0.05	0.00	-	0.05
Terminal Thickness	A3	0.203 REF			0.20 REF		
Overall Width	D	2.00 BSC			1.90	2.00	2.10
Exposed Pad Width	D2	1.10	1.20	1.30	1.10	1.20	1.30
Overall Length	E	2.00 BSC			1.90	2.00	2.10
Exposed Pad Length	E2	0.50	0.60	0.70	0.50	0.60	0.70
Terminal Width	b	0.20	0.25	0.30	0.20	0.25	0.30
Terminal Length	L	0.30	0.35	0.40	0.30	0.35	0.40
Terminal-to-Exposed Pad	K	0.35 REF			0.35 REF		

**Change Impact:** None

**Reason for Change:** To improve on-time delivery performance by qualifying MTAI as a new assembly site.

**Change Implementation Status:** In Progress

**Estimated First Ship Date:** 18 July 2025 (date code: 2529)

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

**Timetable Summary:**

	November 2024					>	June 2025					July 2025			
<b>Work Week</b>	44	45	46	47	48		23	24	25	26	27	28	29	30	32
<b>Initial PCN Issue Date</b>					X										
<b>Qual Report Availability</b>							X								
<b>Final PCN Issue Date</b>							X								
<b>Estimated Implementation Date</b>												X			

**Method to Identify Change:** Traceability Code

**Qualification Report:** Please open the attachments included with this PCN labeled as PCN\_#\_Qual\_Report.

**Revision History:** December 04, 2024: Issued initial notification.

June 12, 20225: Issued final notification. Attached the Qualification Report. Provided the estimated first ship date to be on July 18, 2025. Revised Pre and post change table to reflect the Lead Plating change.

**Note:** The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable product.

**Attachments:**

**PCN\_MFOL-21LXWA131\_Pre and Post Change\_Summary.pdf**  
**MFOL-21LXWA131\_QualReport.pdf**

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

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Affected Catalog Part Numbers (CPN)

SY89328LMG-TR

SY89222LMG-TR

SY89251VMG-TR

SY89323LMG-TR

SY89329VMG-TR

SY89321LMG-TR

SY89322VMG-TR

SY89206VMG-TR

SY89250VMG-TR