



## Product Change Notification / ASER-03XZDL400

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**Date:**

27-Jul-2022

**Product Category:**

EL Backlight Driver ICs

**PCN Type:**

Manufacturing Change

**Notification Subject:**

CCB 4997 Final Notice: Qualification of MMT as an additional assembly site for selected HV509K6-G and HV509K6-G-M932 catalog part numbers (CPNs) available in 32L VQFN (5x5x0.9mm) package.

**Affected CPNs:**

[ASER-03XZDL400\\_Affected\\_CPN\\_07272022.pdf](#)  
[ASER-03XZDL400\\_Affected\\_CPN\\_07272022.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 MMT as an additional assembly site for selected HV509K6-G and HV509K6-G-M932 catalog part numbers (CPNs) available in 32L VQFN (5x5x0.9mm) package.

**Pre and Post Change Summary:**

	Pre Change	Post Change	
Assembly Site	Carsem (Suzhou)	Carsem (Suzhou)	Microchip Technology

	(CARC)	(CARC)	Thailand (MMT)
Wire Material	Au	Au	Au
Die Attach Material	QMI519	QMI519	QMI519
Molding Compound Material	EME-G770HCD	EME-G770HCD	G700LTD
Lead-Frame Material	A194	A194	A194
Lead-lock	No	No	Yes
Lead-Frame Paddle Size	146x146 mils	146x146 mils	150x150 mils
	See Pre and Post Change Summary for comparison.		
DAP Surface Prep	Spot Ag	Spot Ag	Bare Cu
Package Size	5x5x1.0mm	5x5x1.0mm	5x5x0.9mm

**Impacts to Data Sheet:**Yes - Updated POD.

		5x5x1.0mm - CARC			5x5x0.9mm - MMT		
Feature	Dimension	MIN	NOM	MAX	MIN	NOM	MAX
Number of Pins	n	32			32		
Pitch	e	0.50 BSC			0.50 BSC		
Overall Height	A	0.80	0.90	1.00	0.80	0.90	1.00
Standoff	A1	0.00	0.02	0.05	0.00	0.035	0.05
Terminal Thickness	A3	0.20 REF			0.203 REF		
Overall Width	D	5.00 BSC			5.00 BSC		
Exposed Pad Width	D2	3.30	3.45	3.55	3.00	3.10	3.20
Overall Length	E	5.00 BSC			5.00 BSC		
Exposed Pad Length	E2	3.30	3.45	3.55	3.00	3.10	3.20
Terminal Width	b	0.18	0.25	0.30	0.20	0.25	0.30
Terminal Length	L	0.30	0.40	0.50	0.35	0.40	0.45
Terminal-to-Exposed Pad	K	0.20	-	-	0.20	-	-

**Change Impact:**None

**Reason for Change:**To improve on-time delivery performance by qualifying MMT as an additional assembly site.

**Change Implementation Status:**In Progress

**Estimated First Ship Date:**September 2, 2022 (date code: 2236)

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

**Time Table Summary:**

	March 2022					>	July 2022					>	September 2022				
Workweek	1 0	1 1	1 2	1 3	1 4		2 8	2 9	3 0	3 1	3 2		3 6	3 7	3 8	3 9	4 0
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:**March 7, 2022: Issued initial notification.  
July 27, 2022: Issued final notification. Attached the qualification report. Provided estimated first ship date to be on September 2, 2022. Updated subject and description's package dimension from 5x5x1.0mm to 5x5x0.9mm to reflect the correct package dimension for MMT assembly site.

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

**Attachments:**

[PCN\\_ASER-03XZDL400\\_Pre and Post Change Summary.pdf](#)  
[PCN\\_ASER-03XZDL400\\_Qual\\_Report.pdf](#)

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

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Affected Catalog Part Numbers (CPN)

HV509K6-G

HV509K6-G-M932