



## Product Change Notification / MFOL-27WRTQ128

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**Date:**

11-Nov-2021

**Product Category:**

Battery Management and Fuel Gauges - Battery Chargers, Closed Fan Controllers, Digital to Analog Converters, Switching Regulators

**PCN Type:**

Manufacturing Change

**Notification Subject:**

CCB 4913 Final Notice: Qualification of 68x94 mils lead frame paddle size for selected SMSC EMC2302, MCP1641xx, MCP47CMBxx, MCP48CMBxx and MCP7384xx device families available in 10L MSOP (3x3mm) package assembled at NSEB assembly site.

**Affected CPNs:**

[MFOL-27WRTQ128\\_Affected\\_CPN\\_11112021.pdf](#)

[MFOL-27WRTQ128\\_Affected\\_CPN\\_11112021.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 68x94 mils lead frame paddle size for selected SMSC EMC2302, MCP1641xx, MCP47CMBxx, MCP48CMBxx and MCP7384xx device families available in 10L MSOP (3x3mm) package assembled at NSEB assembly site.

**Pre and Post Change Summary:**

		Pre Change	Post Change
Assembly Site		UTAC Thai Limited (UTL-1) LTD (NSEB)	UTAC Thai Limited (UTL-1) LTD (NSEB)
Wire Material		Au	Au
Die Attach Material		8200T	8200T
Molding Compound Material		G600	G600
Lead frame	Material	C7025	C7025
	Paddle Size	82x94 mil	68x94 mil
	Lead lock	No	Yes
	Design	See Pre and Post change comparison	

**Impacts to Data Sheet:**

None

**Change Impact**None

**Reason for Change:**To improve manufacturability by qualifying 68x94 mils lead frame paddle size.

**Change Implementation Status:**In Progress

**Estimated First Ship Date:**November 28, 2021 (date code: 2149)

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

**Time Table Summary:**

	November 2021				
Workweek	45	46	47	48	49
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:**

November 11, 2021: Issued final notification.

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

**Attachments:**

[PCN\\_MFOL-27WRTQ128\\_Pre\\_and\\_Post\\_Change\\_Summary.pdf](#)

[PCN\\_MFOL-27WRTQ128\\_Qual\\_Report.pdf](#)

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

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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)

MCP47CMB01-E/UN  
MCP47CMB02-E/UN  
MCP47CMB11-E/UN  
MCP47CMB12-E/UN  
MCP47CMB21-E/UN  
MCP47CMB22-E/UN  
MCP47CVB01-E/UN  
MCP47CVB02-E/UN  
MCP47CVB11-E/UN  
MCP47CVB12-E/UN  
MCP47CVB21-E/UN  
MCP47CVB22-E/UN  
MCP48CMB01-E/UN  
MCP48CMB02-E/UN  
MCP48CMB11-E/UN  
MCP48CMB12-E/UN  
MCP48CMB21-E/UN  
MCP48CMB22-E/UN  
MCP48CVB01-E/UN  
MCP48CVB02-E/UN  
MCP48CVB11-E/UN  
MCP48CVB12-E/UN  
MCP48CVB21-E/UN  
MCP48CVB22-E/UN  
MCP48CMB01T-E/UN  
MCP48CMB02T-E/UN  
MCP48CMB11T-E/UN  
MCP48CMB12T-E/UN  
MCP48CMB21T-E/UN  
MCP48CMB22T-E/UN  
MCP48CVB01T-E/UN  
MCP48CVB02T-E/UN  
MCP48CVB11T-E/UN  
MCP48CVB12T-E/UN  
MCP48CVB21T-E/UN  
MCP48CVB22T-E/UN  
MCP47CMB01T-E/UN  
MCP47CMB02T-E/UN  
MCP47CMB11T-E/UN  
MCP47CMB12T-E/UN  
MCP47CMB21T-E/UN  
MCP47CMB22T-E/UN  
MCP47CVB01T-E/UN  
MCP47CVB02T-E/UN  
MCP47CVB11T-E/UN  
MCP47CVB12T-E/UN

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MCP47CVB2T1-E/UN

MCP47CVB22T-E/UN

MCP73842-820I/UN

MCP73842-840I/UN

MCP73842T-820I/UN

MCP73842T-840I/UN

MCP16415-I/UN

MCP16416-I/UN

MCP16417-I/UN

MCP16418-I/UN

MCP16415T-I/UN

MCP16416T-I/UN

MCP16417T-I/UN

MCP16418T-I/UN

MCP16411-I/UN

MCP16412-I/UN

MCP16413-I/UN

MCP16414-I/UN

MCP16411T-I/UN

MCP16412T-I/UN

MCP16413T-I/UN

MCP16414T-I/UN

EMC2302-2-AIZL-TR

EMC2302-1-AIZL-TR

MCP73841-410I/UN

MCP73841-420I/UN

MCP73841T-410I/UN

MCP73841T-420I/UN