



Product Change Notification / NTDO-14NLIX570

Date:

15-Nov-2021

Product Category:

Digital Temperature Sensors

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4911 Final Notice: Qualification of additional 68x94 mils lead frame paddle size for selected SMSC EMC10xx, EMC14xx and EMC181xT device families available in 10L MSOP (3x3 mm) package assembled at NSEB assembly site.

Affected CPNs:

[NTDO-14NLIX570_Affected_CPN_11152021.pdf](#)

[NTDO-14NLIX570_Affected_CPN_11152021.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 additional 68x94 mils lead frame paddle size for selected SMSC EMC10xx, EMC14xx and EMC181xT device families available in 10L MSOP (3x3 mm) 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-Fram e	Material	C7025	C194	
	Paddle Size	82x94 mil	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	4 5	4 6	4 7	4 8	4 9
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 15, 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_NTDO-14NLIX570_Pre_and_Post_Change_Summary.pdf](#)
[PCN_NTDO-14NLIX570_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)

EMC1403-2-AIZL-TR
EMC1403-4-AIZL-TR
EMC1073-1-AIZL-TR
EMC1073-A-AIZL-TR
EMC1074-1-AIZL-TR
EMC1403-1-AIZL-TR
EMC1404-2-AIZL-TR
EMC1404-3-AIZL-TR
EMC1413-1-AIZL-TR
EMC1413-A-AIZL-TR
EMC1414-3-AIZL-TR
EMC1423-1-AIZL-TR
EMC1424-1-AIZL-TR
EMC1813T-AE/UN
EMC1814T-AE/UN
EMC1046-1-AIZL-TR
EMC1047-2-AIZL-TR