



Product Change Notification / LIAL-15PALA813

Date:

21-Dec-2021

Product Category:

Computing Embedded Controllers, Ethernet Switches, USB Bridge

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4979 Initial Notice: Qualification of new stamped lead frame with inner lead tape and non-brown oxide treatment (BOT) for selected products available in 128L TQFP (14x14x1mm) package at MMT assembly site.

Affected CPNs:

[LIAL-15PALA813_Affected_CPN_12212021.pdf](#)

[LIAL-15PALA813_Affected_CPN_12212021.csv](#)

Notification Text:

PCN Status:Initial 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 new stamped lead frame with inner lead tape and non-brown oxide treatment (BOT) for selected products available in 128L TQFP (14x14x1mm) package at MMT assembly site.

Pre and Post Change Summary:

	Pre Change	Post Change
Assembly Site	Microchip Technology Thailand (Branch) /MMT	Microchip Technology Thailand (Branch) / MMT
Wire Material	CuPdAu	CuPdAu
Die Attach Material	3280	3280
Molding Compound Material	G700HA	G700HA
Lead-Frame Material	C7025	C7025
Lead Frame process	Etched Stamped	Stamped
Lead Frame treatment	Without inner lead tape	With inner lead tape
	Brown oxide treatment (BOT)	Non- Brown oxide treatment (BOT)
	See attached pre and post change comparison	

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve productivity by qualifying new stamped lead frame with inner lead tape and non-brown oxide treatment (BOT).

Change Implementation Status:In Progress

Estimated Qualification Completion Date:March 2022

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

Time Table Summary:

	December 2021	>	March 2022
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Workweek	4 9	5 0	5 1	5 2	5 3		1 0	1 1	1 2	1 3	1 4
Initial PCN Issue Date				x							
Qual Report Availability									x		
Final PCN Issue Date									x		

Method to Identify Change:Traceability code

Qualification Plan:Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan.

Revision History:December 21, 2021: Issued initial 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_LIAL-15PALA813_Qual_Plan.pdf](#)
- [PCN_LIAL-15PALA813_ Pre and Post Change_Summary.pdf](#)

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

Terms and Conditions:

If you wish to receive Microchip PCNs via email please register for our PCN email service at our **PCN home page** select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the **PCN FAQ** section.

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)

MEC1322-NU
MEC1324-NU
MEC1322-NU-C0
MEC1322I-NU-C0
MEC1404-NU
MEC1418-NU
MEC1406-NU
MEC1408-NU
MEC1404-NU-D0
MEC1406-NU-D0
MEC1416-NU-D0
MEC1414-NU
MEC1416-NU
MEC1418-NU-D0
MEC1418-I/NU
MEC1414-I/NU
MEC1416-I/NU
MEC1428-NU-C1
MEC1428-I/NU-C1
DEC1515H-D0-I/Z2
KBC1126-NU
SCH5555-NU
SCH5553-NU
SCH5555V-NU
SCH5555-NU-TR
SCH5553-NU-TR
MEC1310-NU
MEC1310-NU-TR
LAN9311-NU
LAN9313-NU
LAN9313-NU-TR
USB2227-NU-11
USB2228-NU-11
USB2250-NU-06
USB2251-NU-06
USB2250I-NU-06
USB2251I-NU-06
USB2251I-NU-06-CAG