

Product Change Notification - ASER-17GSOU325

Date:

07 Jan 2020

Product Category:

Clock and Timing - Oscillators; Others

Affected CPNs:

Notification subject:

CCB 3960.001 and 3960.002 Initial Notice: Qualification of new bill of materials (BOM) for selected Micrel products available in 4L VDFN (3.2 x 2.5 x 0.9 mm) and 4L VDFN (2.5 x 2.0 x 0.9 mm) packages at NSEB assembly site.

Notification text:
PCN Status:

Initial notification.

PCN Type:

Manufacturing Change

Microchip Parts Affected:

Please open one of the icons found in the Affected CPNs section above.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

Description of Change:

Qualification of new bill of materials (BOM) for selected Micrel products available in 4L VDFN (3.2 x 2.5 x 0.9 mm) and 4L VDFN (2.5 x 2.0 x 0.9 mm) packages at NSEB assembly site.

Pre Change:

Assembled at NSEB using A194 lead frame material, NEX-130CT die 1 attach material, 8200T die 2 attach material, G770HCD molding compound, Q3-6646 die coat, and a base quantity multiple of 72.

Post Change:

Assembled at NSEB using A194 lead frame material, HR-5104 die 1 attach material, 2200D die 2 attach material, G700LTD molding compound, JCR6109 die coat, and a base quantity multiple of 110 and 140.

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Site	UTAC Thai Limited LTD. (NSEB)	UTAC Thai Limited LTD. (NSEB)	
Base Quantity Multiple (BQM)	72	4L VDFN (3.2x2.5x0.9mm): 110	4L VDFN (2.5x2.0x0.9mm): 140
Lead Frame Material	A194	A194	
Bond Wire Material	Au	Au	
Die 1 Attach Material	NEX-130CT	HR-5104	



Die 2 Attach Material	8200T	2200D
Molding compound material	G770HCD	G700LTD
Die Coat	Q3-6646	JCR6109

Impacts to Data Sheet:

None.

Change Impact:

None.

Reason for Change:

To improve manufacturability by qualifying new die attach material, molding compound and die coat.

Change Implementation Status:

In Progress

Estimated Qualification Completion Date:

March 2020

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:

Workweek	January 2020					-->	March 2020				
	1	2	3	4	5		10	11	12	13	14
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:

January 07, 2020: 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.

Attachment(s):

[PCN_ASER-17GSOU325_Qual Plan.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.

ASER-17GSOU325 - CCB 3960.001 and 3960.002 Initial Notice: Qualification of new bill of materials (BOM) for selected Micrel products available in 4L VDFN (3.2 x 2.5 x 0.9 mm) and 4L VDFN (2.5 x 2.0 x 0.9 mm) packages at NSEB assembly site.

Affected Catalog Part Numbers(CPN)

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