



Product Change Notification / ASER-27LSSS520

Date:

12-Feb-2021

Product Category:

Access Networks, Broadband Gateway

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4514 Initial Notice: Qualification of MTAI as an additional assembly site for selected MSCC products available in 48L VQFN (7x7x1mm) package.

Affected CPNs:

[ASER-27LSSS520_Affected_CPN_02122021.pdf](#)

[ASER-27LSSS520_Affected_CPN_02122021.csv](#)

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 to the right.

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

Description of Change:Qualification of MTAI as an additional assembly site for selected MSCC products available in 48L VQFN (7x7x1mm) package.

Pre Change:

Assembled at ASEM assembly site without lead-lock, using PdCu bond wire, CRM1076DS die attach and CEL-9240HF10AK-G1 mold compound.

OR

Assembled at UNIC assembly site without lead-lock, using CuPdAu bond wire, 8290 die attach and G770HP mold compound.

OR

Assembled at MMT assembly site with lead-lock, using CuPdAu bond wire, 3280 die attach and G700LTD mold compound.

Post Change:

Assembled at ASEM assembly site without lead-lock, using PdCu bond wire, CRM1076DS die attach and CEL-9240HF10AK-G1 mold compound.

OR

Assembled at UNIC assembly site without lead-lock, using CuPdAu bond wire, 8290 die attach and G770HP mold compound.

OR

Assembled at MMT assembly site with lead-lock, using CuPdAu bond wire, 3280 die attach and G700LTD mold compound.

OR

Assembled at MTAI assembly site with lead-lock, using CuPdAu bond wire, 3280 die attach and G700LTD mold compound.

Pre and Post Change Summary:

	Pre Change			Post Change			
Assembly Site	ASE Group -Malaysia (ASEM)	Unisem Chengdu Co.,Ltd. (UNIC)	Microchip Technology Thailand (MMT)	ASE Group -Malaysia (ASEM)	Unisem Chengdu Co.,Ltd. (UNIC)	Microchip Technology Thailand (MMT)	Microchip Technology Thailand (MTAI)
Wire Material	PdCu	CuPdAu	CuPdAu	PdCu	CuPdAu	CuPdAu	CuPdAu
Die Attach Material	CRM1076DS	8290	3280	CRM1076DS	8290	3280	3280
Mold Compound Material	CEL-9240HF10AK-G1	G770HP	G700LTD	CEL-9240HF10AK-G1	G770HP	G700LTD	G700LTD
Lead Frame Material	170048372135XL	412513	10104808	170048372135XL	412513	10104808	10104808

Impacts to Data Sheet:None

Change Impact:

None

Reason for Change:

To improve manufacturability by qualifying MTAI as an additional assembly site.

Change Implementation Status:

In Progress or complete

Estimated Qualification Completion Date:

February 2021

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:

	February 2021			
Workweek	0 6	0 7	0 8	0 9
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:February 12, 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_ASER-27LSS520_Pre and Post Change Summary.pdf](#)

[PCN_ASER-27LSS520_Qual Plan.pdf](#)

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

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