



Product Change Notification / JAON-23SJYM687

Date:

17-Sep-2021

Product Category:

Smart Energy SOC

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4574 Final Notice: Qualification of ASEM as an additional assembly site for ATSAM4C32CA-AU and ATSAM4C32CA-AUR catalog part numbers (CPN) available in 100L LQFP (14x14x1.4mm) package.

Affected CPNs:

[JAON-23SJYM687_Affected_CPN_09172021.pdf](#)

[JAON-23SJYM687_Affected_CPN_09172021.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 ASEM as an additional assembly site for ATSAM4C32CA-AU and ATSAM4C32CA-AUR catalog part numbers (CPN) available in 100L LQFP (14x14x1.4mm) package.

Pre Change:

Assembled at ASE using palladium coated copper (PdCu) bond wire, 2288A die attach, CEL-9510HFL mold compound and lead frame with paddle size 240x240mils.

Post Change:

Assembled at ASE using palladium coated copper (PdCu) bond wire, 2288A die attach, CEL-9510HFL mold compound and lead frame with paddle size 240x240 mils or

Assembled at ASEM using palladium coated copper with gold flash (CuPdAu) bond wire, YIZ8143 die attach, CEL-9240HF10AK-G1 mold compound and lead frame with paddle size 276x276 mils.

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Site	ASE Inc. (ASE)	ASE Inc. (ASE)	ASE Group -Malaysia (ASEM)
Bond Wire material	PdCu	PdCu	CuPdAu
Die Attach material	2288A	2288A	YIZ8143
Mold compound material	CEL-9510HFL	CEL-9510HFL	CEL-9240HF10AK-G1
Lead frame material	C7025	C7025	C7025
Lead frame paddle size	240X240 mils	240X240 mils	276X276 mils
	See attached pre and post change comparison		

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve on-time delivery performance by qualifying ASEM as an additional assembly site.

Change Implementation Status:

In Progress

Estimated First Ship Date:

September 30, 2021 (date code: 2140)

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

Due to unforeseen circumstances, that are out of Microchip's control, full qualification will be made available as soon as it is approved which may be after the estimated first ship date so that Microchip can maintain continuity of supply and not disrupt customer orders.

Time Table Summary:

	March 2021					-->	September 2021					October 2021				
	10	11	12	13	14		36	37	38	39	40	41	42	43	44	45
Initial PCN Issue Date	X															
Final PCN Issue Date								X								
Qual Report Availability															X	
Estimated Implementation Date										X						

Method to Identify Change:

Traceability code

Estimated Qualification Completion Date:

October 2021

Note 1: This final PCN will be updated to include the Qualification report as soon as it is completed.

Note 2: Please be advised the qualification completion times may be extended because of unforeseen business conditions

Revision History:

March 01, 2021: Issued initial notification.

September 17, 2021: Issued final notification. Provided estimated first ship date to be September 30, 2021.

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

Attachments:

[PCN_JAON-23SJYM687_Pre and Post Change_Summary.pdf](#)

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

Terms and Conditions:

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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)

ATSAM4C32CA-AU

ATSAM4C32CA-AUR