



Product Change Notification / ALAN-04KTCS710

Date:

26-Oct-2022

Product Category:

8-bit Microcontrollers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4764 Final Notice: Qualification of OSE as an additional assembly site for selected ATXMEGA128xx, ATXMEGA64xx, ATXMEGA32xx and ATXMEGA16xx device families available in 49L VFBGA (5x5x1.0mm) package.

Affected CPNs:

[ALAN-04KTCS710_Affected_CPN_10262022.pdf](#)

[ALAN-04KTCS710_Affected_CPN_10262022.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 OSE as an additional assembly site for selected ATXMEGA128xx, ATXMEGA64xx, ATXMEGA32xx and ATXMEGA16xx device families available in 49L VFBGA (5x5x1.0mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change

Assembly Site		ASE Inc. (ASE)	ASE Inc. (ASE)	Orient Semiconductor Electronics, Ltd (OSE)
Substrate	Core Material	CCL-HL832NX (A-HS)	CCL-HL832NX (A-HS)	HL832NXA
	Process	Normal	Normal	Tenting
	L1/L2 Thickness	Min 12um	Min 12um	Copper 18+/-6 um, Ni 3um (min) Au 0.2um(min) OSP 0.3+/-0.15um"
	SM Material	AUS 308	AUS 308	AUS 320
Bond wire		CuPd	CuPd	CuPdAu
Die attach film (DAF)		ATB125	ATB125	EM-310WJ1-P-25
Mold compound		KE-G1250LKDS	KE-G1250LKDS	G760LB

Impacts to Data Sheet: None

Change Impact:None

Reason for Change:To improve manufacturability by qualifying OSE as an additional assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date: November 30, 2022 (date code: 2249)

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

Time Table Summary:

	October 2021					->	October 2022				November 2022				
	40	41	42	43	44		41	42	43	44	45	46	47	48	49
Workweek															
Initial PCN Issue Date		X													
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:

October 7, 2021: Issued initial notification.

November 3, 2021: Re-issuance of initial notification. Updated die attach film post change from HR-5104 to EM-310WJ1-P-25.

October 26, 2022: 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_ALAN-04KTCS710_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)

ATXMEGA128A4U-CU
ATXMEGA128D4-CU
ATXMEGA128A4U-CUR
ATXMEGA128D4-CUR
ATXMEGA64D4-CUR
ATXMEGA16C4-CU
ATXMEGA32C4-CU
ATXMEGA16D4-CU
ATXMEGA32D4-CU
ATXMEGA16C4-CUR
ATXMEGA32C4-CUR
ATXMEGA32D4-CUR
ATXMEGA16D4-CUR