



## Product Change Notification - ASER-27VHSG893

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**Date:**

14 Jan 2020

**Product Category:**

Ethernet Switches

**Affected CPNs:****Notification subject:**

CCB 3867 Final Notice: Qualification of ASE as a new assembly site for selected Micrel KSZ8842 device family available in 100L LFBGA (9x9x1.38 mm) package.

**Notification text:****PCN Status:**

Final 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 ASE as a new assembly site for selected Micrel KSZ8842 device family available in 100L LFBGA (9x9x1.38 mm) package.

**Pre Change:**

Assembled at OSE assembly site using 2300 die attach and E770 molding compound.

**Post Change:**

Assembled at ASE assembly site using 2100 die attach and KE-G1250NAS molding compound.

**Pre and Post Change Summary:**

		Pre Change	Post Change
<b>Assembly Site</b>		Orient Semiconductor Electronics, Ltd (OSE)	Advanced Semiconductor Engineering, Inc. (ASE)
<b>Wire material</b>		Au	Au
<b>Die attach material</b>		2300	2100
<b>Molding compound material</b>		E770	KE-G1250NAS
<b>Substrate material</b>	Core	HL832NX	HL832NX
	Solder Mask	AUS308	AUS308
	Solder Mask Thickness	25 &plusmn; 10&micro;m	30 &plusmn; 10&micro;m
<b>Solder Ball</b>		SAC305	SAC305

**Impacts to Data Sheet:**



None.

**Change Impact:**

None.

**Reason for Change:**

To improve manufacturability by qualifying ASE as a new assembly site.

**Change Implementation Status:**

In Progress

**Estimated First Ship Date:**

February 17, 2020 (date code: 2008)

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

**Time Table Summary:**

	July 2019					-->	January 2020					February 2020			
Workweek	27	28	29	30	31		1	2	3	4	5	6	7	8	9
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:**

**July 11, 2019:** Issued initial notification.

**July 15, 2019:** Replaced inaccurate qualification plan with the correct document. Reissued initial notification.

**January 14, 2019:** Issued final notification. Attached the qualification report. Provided estimated first ship date to be on February 17, 2020. Updated the Subject and Description to add the affected device families.

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-27VHSG893\\_Qual\\_Report.pdf](#)



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

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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)

KSZ8842-PMBL

KSZ8842-PMBL-AM

KSZ8842-PMBL-AM-TR

KSZ8842-PMBL-TR