



Product Change Notification / GBNG-04EAMN257

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**Date:**

08-Jun-2021

**Product Category:**

Ethernet Controllers

**PCN Type:**

Manufacturing Change

**Notification Subject:**

CCB 4706 Final Notice: Qualification of MTAI as an additional assembly site for selected Micrel KSZ8851 device family available in 32L VQFN (5x5x0.9mm) package.

**Affected CPNs:**

[GBNG-04EAMN257\\_Affected\\_CPN\\_06082021.pdf](#)

[GBNG-04EAMN257\\_Affected\\_CPN\\_06082021.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 MTAI as an additional assembly site for selected Micrel KSZ8851 device family available in 32L VQFN (5x5x0.9mm) package.

**Pre and Post Change Summary:**

	Pre Change		Post Change		
<b>Assembly Site</b>	Unisem Chengdu Co.,Ltd. (UNIC)	Taiwan IC Packing Corp (TICP)	Unisem Chengdu Co.,Ltd. (UNIC)	Taiwan IC Packing Corp (TICP)	Microchip Technology Thailand – (HQ) (MTAI)
<b>Wire material</b>	Au	Au	Au	Au	Au
<b>Die attach material</b>	8290	EN4900	8290	EN4900	3280
<b>Molding compound material</b>	G770HP	CEL-9220	G770HP	CEL-9220	G700LTD
<b>Lead frame material</b>	A194	A194	A194	A194	A194
<b>Paddle size</b>	130x130 mils	150x150 mils	130x130 mils	150x150 mils	150x150 mils
<b>DAP Surface Prep</b>	NiPdAu	NiPdAu	NiPdAu	NiPdAu	Ag selective plating
<b>Lead Plating</b>	NiPdAu	NiPdAu	NiPdAu	NiPdAu	Matte tin
<b>Lead-lock</b>	No	No	No	No	Yes

**Impacts to Data Sheet:**

None

**Change Impact:**

None

**Reason for Change:**

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

**Change Implementation Status:**

In Progress

**Estimated First Ship Date:**

July 15, 2021 (date code: 2129)

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:**

	June 2021					July 2021			
Workweek	23	24	25	26	27	28	29	30	31
Final PCN Issue Date		X							

Qual Report Availability								X		
Estimated First Ship Date								X		

**Method to Identify Change:**

Traceability code

**Estimated Qualification Completion Date:**

July 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 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.*

**Revision History:**

**June 08, 2021:** Issued final notification. Provided estimated first ship date to be July 15, 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\\_GBNG-04EAMN257\\_Pre and Post Change\\_Summary.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.

Affected Catalog Part Numbers (CPN)

KSZ8851SNL

KSZ8851SNLI

KSZ8851SNL-TR

KSZ8851SNLI-TR

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Affected Catalog Part Numbers(CPN)

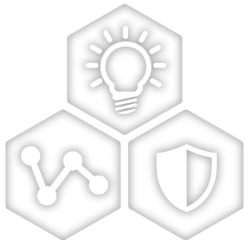
KSZ8851SNL  
KSZ8851SNLI  
KSZ8851SNL-TR  
KSZ8851SNLI-TR

**CCB 4706**  
**Pre and Post Change Summary**  
**PCN #: GBNG-04EAMN257**



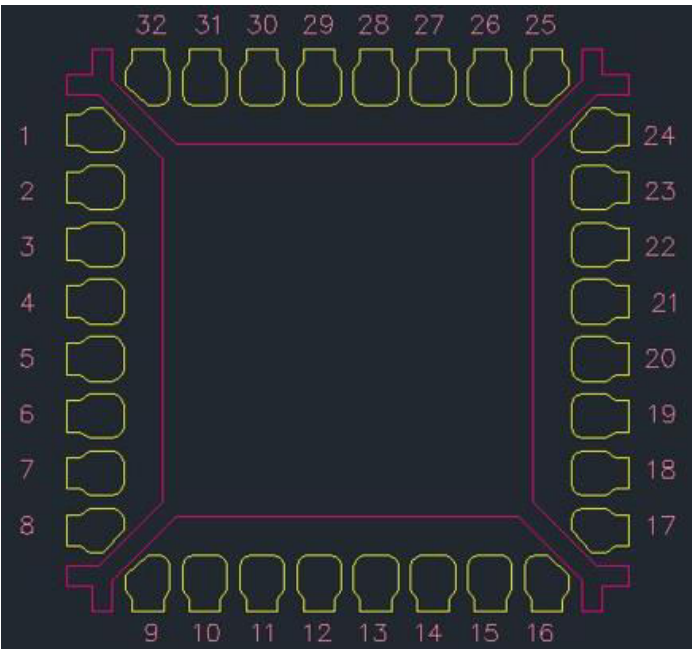
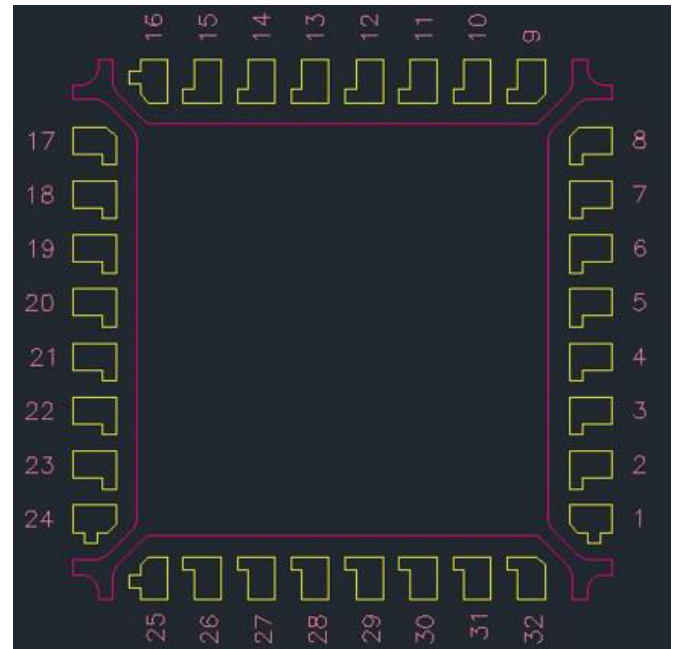
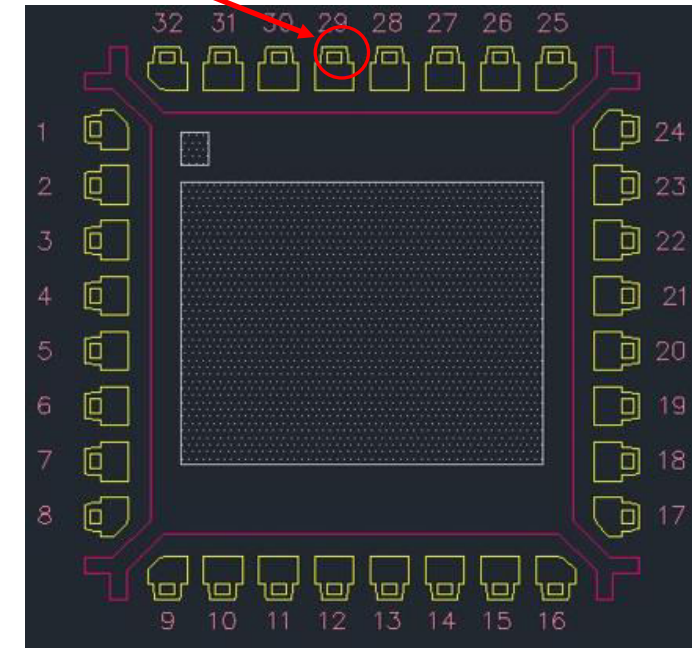
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# LEAD FRAME COMPARISON

UNIC	TICP	MTAI						
								
<table border="1"> <tr> <td data-bbox="122 1142 479 1225">Lead Lock (Locking Hole)</td> <td data-bbox="479 1142 835 1225">No</td> </tr> </table>	Lead Lock (Locking Hole)	No	<table border="1"> <tr> <td data-bbox="907 1142 1263 1225">Lead Lock (Locking Hole)</td> <td data-bbox="1263 1142 1620 1225">No</td> </tr> </table>	Lead Lock (Locking Hole)	No	<table border="1"> <tr> <td data-bbox="1691 1142 2048 1225">Lead Lock (Locking Hole)</td> <td data-bbox="2048 1142 2405 1225">Yes</td> </tr> </table>	Lead Lock (Locking Hole)	Yes
Lead Lock (Locking Hole)	No							
Lead Lock (Locking Hole)	No							
Lead Lock (Locking Hole)	Yes							

NOTE: Mold compound material fills the [lead lock hole](#), which provides improved protection against moisture penetration along the edge of the leads (pins) of the package.