



Product Change Notification / GBNG-07DFNQ951

Date:

10-Jun-2021

Product Category:

Ethernet PHYs

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4572.002 Final Notice: Qualification of MTAI as an additional assembly site for selected Micrel KSZ9031 and KSZ9131 device families available in 48L VQFN (7x7x0.9mm) package.

Affected CPNs:

[GBNG-07DFNQ951_Affected_CPN_06102021.pdf](#)
[GBNG-07DFNQ951_Affected_CPN_06102021.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 KSZ9031 and KSZ9131 device families available in

48L VQFN (7x7x0.9mm) package.

Pre and Post Change Summary:

	Pre Change		Post Change		
Assembly Site	Amkor Assembly & Test (Shanghai) Co., LTD / (ANAC)	ASE Group Chung-Li (ASCL)	Amkor Assembly & Test (Shanghai) Co., LTD / (ANAC)	ASE Group Chung-Li (ASCL)	Microchip Technology Thailand – (HQ) (MTAI)
Wire material	CuPdAu	CuPdAu / Cu	CuPdAu	CuPdAu / Cu	CuPdAu
Die attach material	CRM1085A	EN-4900G	CRM1085A	EN-4900G	3280
Molding compound material	G631BQ	G700LA / CEL-9240	G631BQ	G700LA / CEL-9240	G700LTD
Lead frame material	C194	C194	C194	C194	C194
Lead frame paddle size	211 x 211 mils	224 x 224 mils	211 x 211 mils	224 x 224 mils	224 x 224 mils
Lead frame design	Please see attached Pre and Post Change comparison.				

Impacts to Data Sheet:

Update to POD (Package Outline Drawing) and applicable Datasheet.

Feature	Dimension	Pre Change			Post Change		
		MIN	NOM	MAX	MIN	NOM	MAX
Number of Pins	n	48			48		
Pitch	e	0.50 BSC			0.50 BSC		
Overall Height	A	0.80	0.85	0.90	0.80	0.90	1.00
Standoff	A1	0.00	0.035	0.05	0.00		0.05
Terminal Thickness	A3	0.20 REF			0.195	0.203	0.211
Overall Width	D	7.00 BSC			6.90	7.00	7.10
Exposed Pad Width	D2	4.95	5.05	5.15	4.95	5.05	5.15
Overall Length	E	7.00 BSC			6.90	7.00	7.10
Exposed Pad Length	E2	4.95	5.05	5.15	4.95	5.05	5.15
Terminal Width	b	0.20	0.25	0.30	0.20	0.25	0.30
Terminal Length	L	0.35	0.40	0.45	0.35	0.40	0.45
Terminal-to-Exposed Pad	K	0.20	-	-	0.575 REF		
Step Cut Height	A4	0.10	0.125	0.19	0.10	-	0.19
Step Cut Length	L2	-	-	0.085	0.035	0.065	0.085

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 01, 2021 (date code: 2127)

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

Time Table Summary:

	June 2021				July 2021				
Workweek	23	24	25	26	27	28	29	30	31
Qual Report Availability		X							
Final PCN Issue Date		X							
Estimated First Ship 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:**June 10, 2021:** Issued final notification. Attached the qualification report. Provided estimated first ship date to be on July 01, 2021.**Attachments:**[PCN_GBNG-07DFNQ951_Qual_Report.pdf](#)[PCN_GBNG-07DFNQ951_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)

KSZ9131RNXC

KSZ9131RNXI

KSZ9131RNXC-TR

KSZ9131RNXI-TR

KSZ9031RNXC

KSZ9031RNXC

KSZ9031RNXC-TR

KSZ9031RNXC-TR