MICROCHIP

Product Change Notification / ALAN-01RUTP617

Date:

12-Jul-2021

Product Category:

Ethernet PHYs

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4572.001 Final Notice: Qualification of MTAI as an additional assembly site for KSZ9031 device family available in 48L VQFN (7x7x0.9mm) package.

Affected CPNs:

ALAN-01RUTP617_Affected_CPN_07122021.pdf
ALAN-01RUTP617_Affected_CPN_07122021.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 KSZ9031 device family available in 48L VQFN (7x7x0.9mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Location	ASE Group Chung-Li (ASCL)	ASE Group Chung-Li (ASCL)	Microchip Technology Thailand(HQ) (MTAI)
Lead Frame material	C194	C194	A194
Bond Wire material	Au	Au	CuPdAu
Die Attach material	EN-4900G	EN-4900G	3280
Mold compound material	G700	G700	G700

Note: * C194, A194 or CDA194 Lead frame material are the same, it is just a MCHP internal labelling difference.

Impacts to Data Sheet:
Yes. Package Outline Drawing (POD)

Feature	Dimension	ASCL			MTAI		
		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 manufacturability 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

Time Table Summary:

	July 2021				
Workweek	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:

July 12, 2021: 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-01RUTP617_Pre and Post Change_Summary.pdf
PCN_ALAN-01RUTP617_Qual_Report.pdf

Please contact your local Microchip sales office with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to <u>receive Microchip PCNs via email</u> 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 <u>change your PCN profile, including opt out,</u> 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)

KSZ9031RNXUA
KSZ9031RNXUB-VAO
KSZ9031RNXVA
KSZ9031RNXVB-VAO
KSZ9031RNXVA-TR
KSZ9031RNXVB-TRVAO
KSZ9031RNXUA-TR
KSZ9031RNXUB-TRVAO