



Product Change Notification / ALAN-01RUTP617

Date:

26-Oct-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_10262021.pdf](#)
[ALAN-01RUTP617_Affected_CPN_10262021.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	2 7	2 8	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.**October 26, 2021:** Re-issuance of the final notification to update the affected parts list due to change in scope. This is to exclude catalog part numbers (CPN) KSZ9031RNXVA, KSZ9031RNXVA-TR, KSZ9031RNXVB-VAO & KSZ9031RNXVB-TRVAO from the scope.

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.

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Affected Catalog Part Numbers (CPN)

KSZ9031RNXUA

KSZ9031RNXUB-VAO

KSZ9031RNXUA-TR

KSZ9031RNXUB-TRVAO