



Product Change Notification / NTDO-28HOWX625

Date:

07-Feb-2024

Product Category:

Ethernet PHYs

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6813 Final Notice: Qualification of MTAI as an additional assembly site for KSZ9031RNXCA, KSZ9031RNXIA, KSZ9031RNXCA-TR and KSZ9031RNXIA-TR catalog part numbers (CPN) available in 48L VQFN (7x7x0.9mm) package.

Affected CPNs:

[NTDO-28HOWX625_Affected_CPN_02072024.pdf](#)

[NTDO-28HOWX625_Affected_CPN_02072024.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 KSZ9031RNXCA, KSZ9031RNXIA, KSZ9031RNXCA-TR and KSZ9031RNXIA-TR catalog part numbers (CPN) available in 48L VQFN (7x7x0.9mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Site	ASE Inc. (ASE)	ASE Inc. (ASE)	Microchip Technology Thailand (HQ) (MTAI)
Wire Material	Au	Au	CuPdAu
Die Attach Material	EN-4900	EN-4900	3280
Molding Compound Material	G631H	G631H	G700LTD
Lead-Frame Material*	C194	C194	A194
Lead-Frame Paddle Size	146 x146 mils	146 x146 mils	146 x146 mils
DAP Surface Prep	Ag ring plate	Ag ring plate	Ag ring plate

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) comparison.

		ASE			MTAI		
Feature	Dimension	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	0.020	0.05	0.00		0.05
Terminal Thickness	A3	0.253 REF			0.195	0.203	0.211
Overall Width	D	7.00 BSC			6.90	7.00	7.10
Exposed Pad Width	D2	3.40	3.50	3.60	3.40	3.50	3.60
Overall Length	E	7.00 BSC			6.90	7.00	7.10
Exposed Pad Length	E2	3.40	3.50	3.60	3.40	3.50	3.60
Terminal Width	b	0.20	0.25	0.30	0.20	0.25	0.30
Terminal Length	L	0.35	0.40	0.45	0.30	0.40	0.50

Change Impact:None

Reason for Change:To improve productivity and on-time delivery performance by qualifying MTAI as an additional assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date:March 18, 2024 (date code: 2412)

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

Time Table Summary:

	February 2024					>	March 2024				
Workweek	5	6	7	8	9		9	10	11	12	13
Final PCN Issue Date											
Qual Report Availability		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:February 7, 2024: 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_NTDO-28HOWX625_Qual_Report.pdf](#)
[PCN_NTDO-28HOWX625_Pre and PostChange Summary.pdf](#)

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

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Affected Catalog Part Numbers (CPN)

- KSZ9031RNXCA
- KSZ9031RNXIA
- KSZ9031RNXCA-TR
- KSZ9031RNXIA-TR