

Product Change Notification / GBNG-16BGIH897

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27-Jan-2022

Product Category:

Ethernet Bridges, USB Hubs

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4628 and 4628.001 Final Notice: Qualification of STA as an additional assembly site for selected LAN9500A, USB2512B, USB2513B, USB2514B and USX2064 device families available in 56L VQFN (8x8x0.9mm) and 36L VQFN (6x6x1.0mm) packages.

Affected CPNs:

GBNG-16BGIH897_Affected_CPN_01272022.pdf GBNG-16BGIH897_Affected_CPN_01272022.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 STA as an additional assembly site for selected LAN9500A, USB2512B, USB2513B, USB2514B and USX2064 device families available in 56L VQFN (8x8x0.9mm) and 36L VQFN (6x6x1.0mm) packages.

Pre and Post Change Summary:

		Pre C	hange		Post (Change			
		ASE	Inc.	ASE	Inc.	STATS Chippac Ltd.			
Assemb	(A	SE)	(A:	SE)	(STA)				
Wire	56L VQFN	PdCu	CuPdAu	PdCu	CuPdAu	CuPdAu			
material	36L VQFN	PdCu	Au	PdCu	Au	CuPuAu			
Die attach material		EN-4	.900F	EN-4	900F	8290			
1	Molding compound material		31B	G6:	31B	G700E			
	Material	C1	94	C1	94	C194			
		240 x 240 mils Note 1 154 x 154 mils Note 2			40 mils te 1	236 x 236 mils ^{Note 1}			
Lead frame	Paddle size				54 mils te 2	169 x 169 mils Note			
	Design	Se	e attached	Pre and P	ost Chang	e comparison.			

Note 1: Applicable for 56L VQFN package. Note 2: Applicable for 36L VQFN package.

Impacts to Data Sheet:None

Change ImpactNone

Reason for Change:To improve manufacturability by qualifying STA as an additional assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date:October 31, 2021 (date code: 2145)

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

Time Table Summary:

	May 2021					>	October 2021					^	December 2021				
Workweek	19	20	21	22	23		41	42	43	44	45		49	50	51	52	53
Initial PCN Issue Date		Х															
Qual Report Availability							Х										

Final PCN Issue Date							Х		
Estimated Implementation						X			
Date						Λ			

Method to Identify Change: Traceability code

Qualification Report:Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.

Revision History:May 12, 2021: Issued initial notification.

October 8, 2021: Issued final notification. Provided estimated first ship date to be on October 31, 2021. Updated the estimated qualification completion date from August 2021 to December 2021.

December 7, 2021: Re-issued final notification. Attached the Qualification Report.

January 27, 2022: Re-issued final notification. Corrected lead frame drawing for ASE 36L VQFN in the Pre and Post Change summary attachment.

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-16BGIH897_Pre_and_Post Change Summary.pdf PCN_GBNG-16BGIH897_Qual Report.pdf

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

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If you wish to <u>change your PCN profile</u>, <u>including opt out</u>, please go to the <u>PCN home page</u> select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

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Affected Catalog Part Numbers (CPN)

USB2512B-AEZG

USB2513B-AEZG

USB2513B-AEZC

USB2514B-AEZG

USB2514B-AEZC

USB2512BI-AEZG

USB2513BI-AEZG

USB2514BI-AEZG

USB2512B-AEZG-TR

USB2513B-AEZG-TR-CD0

USB2513B-AEZG-TR

USB2513B-AEZC-TR

USB2514B-AEZG-TR

USB2514B-AEZC-TR

USX2064-AEZG-TR

USB2512BI-AEZG-TR

USB2513BI-AEZG-TR

USB2514BI-AEZG-TR

USX2064I-AEZG-TR

LAN9500A-ABZJ

LAN9500AI-ABZJ

LAN9500A-ABZJ-TR

LAN9500AI-ABZJ-TR

LAN9500AI-ABZJ-TR-SEU