



Product Change Notification / GBNG-16BGIH897

Date:

12-May-2021

Product Category:

Ethernet Bridges, USB Hubs

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4628 and 4628.001 Initial 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_05122021.pdf](#)

[GBNG-16BGIH897_Affected_CPN_05122021.csv](#)

Notification Text:**PCN Status:**

Initial 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 Change		Post Change		
Assembly Site		ASE Inc. (ASE)		ASE Inc. (ASE)		STATS Chippac Ltd. (STA)
Wire material	56L VQFN	PdCu	CuPdAu	PdCu	CuPdAu	CuPdAu
	36L VQFN	PdCu	Au	PdCu	Au	
Die attach material		EN-4900F		EN-4900F		8290
Molding compound material		G631B		G631B		G700E
Lead frame	Material	C194		C194		C194
	Paddle size	240 x 240 mils ^{Note 1}		240 x 240 mils ^{Note 1}		236 x 236 mils ^{Note 1}
		154 x 154 mils ^{Note 2}		154 x 154 mils ^{Note 2}		169 x 169 mils ^{Note 2}
	Design	See attached Pre and Post Change comparison.				

Note1: Applicable for 56L VQFN package.

Note2: Applicable for 36L VQFN package.

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve manufacturability by qualifying STA as an additional assembly site.

Change Implementation Status:

In Progress

Estimated Qualification Completion Date:

August 2021

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

Time Table Summary:

	May 2021	-->	August 2021
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Workweek	19	20	21	22	23		32	33	34	35
Initial PCN Issue Date		X								
Qual Report Availability							X			
Final PCN Issue Date							X			

Method to Identify Change:

Traceability code

Qualification Plan:

Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan.

Revision History:

May 12, 2021: Issued initial 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_GBNG-16BGIH897_Qual_Plan.pdf](#)

[PCN_GBNG-16BGIH897_Pre and Post Change 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)

LAN9500A-ABZJ
LAN9500AI-ABZJ
LAN9500A-ABZJ-TR
LAN9500AI-ABZJ-TR
LAN9500AI-ABZJ-TR-SEU
USB2512B-AEZG
USB2512B-AEZG-TR
USB2512BI-AEZG-TR
USB2512BI-AEZG
USB2513BI-AEZG
USB2513BI-AEZG-TR
USB2513B-AEZG
USB2513B-AEYC
USB2513B-AEZG-TR
USB2513B-AEYC-TR
USB2514B-AEZG
USB2514BI-AEZG
USB2514B-AEZG-TR
USB2514BI-AEZG-TR
USB2514B-AEYC
USB2514B-AEYC-TR
USX2064-AEZG-TR
USX2064I-AEZG-TR
USB2513B-AEZG-TR-CD0