



Product Change Notification / GBNG-16BGIH897

Date:

08-Oct-2021

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_10082021.pdf](#)

[GBNG-16BGIH897_Affected_CPN_10082021.csv](#)

Notification Text:

PCN Status:Final notification

PCN Type: Manufacturing Change

Microchip Parts Affected:Please open one of the icons found in the Affected CPNs section above.

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
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Assembly Site		ASE Inc.		ASE Inc.		STATS Chippac Ltd.
		(ASE)		(ASE)		(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 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.

Due to unforeseen circumstances, that are out of Microchip's control, full qualification will be made available as soon as it is approved which may be after the estimated first ship date so that Microchip can maintain continuity of supply and not disrupt customer orders.

Time Table Summary:

	May 2021					>	September 2021					>	October 2021					>	December 2021				
	1 9	2 0	2 1	2 2	2 3		3 6	3 7	3 8	3 9	4 0		4 1	4 2	4 3	4 4	4 5		49	50	51	52	53
Workweek																							
Initial PCN Issue Date		X																					
Final PCN Issue Date											X												
Qual Report Availability																				X			
Estimated First Ship Date															X								

Method to Identify Change: Traceability code

Estimated Qualification Completion Date:December 2021

Note 1: This final PCN will be updated to include the Qualification report as soon as it is completed. Note 2: Please be advised the qualification completion times may be extended because of unforeseen business conditions.

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.

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](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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GBNG-16BGIH897 - CCB 4628 and 4 USB2512B USB2513B USB2514B and USX2064 device families avail:

Affected Catalog Part Numbers(CPN)

USB2512B-AEZG
USB2513B-AEZG
USB2513B-AEYC
USB2514B-AEZG
USB2514B-AEYC
USB2512BI-AEZG
USB2513BI-AEZG
USB2514BI-AEZG
USB2512B-AEZG-TR
USB2513B-AEZG-TR-CD0
USB2513B-AEZG-TR
USB2513B-AEYC-TR
USB2514B-AEZG-TR
USB2514B-AEYC-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

able in 56L VQFN (8x8x0.9mm) and 36L VQFN (6x6x1.0mm) packages.

CCB 4628 and 4628.001
Pre and Post Change Summary
PCN #: GBNG-16BGIH897



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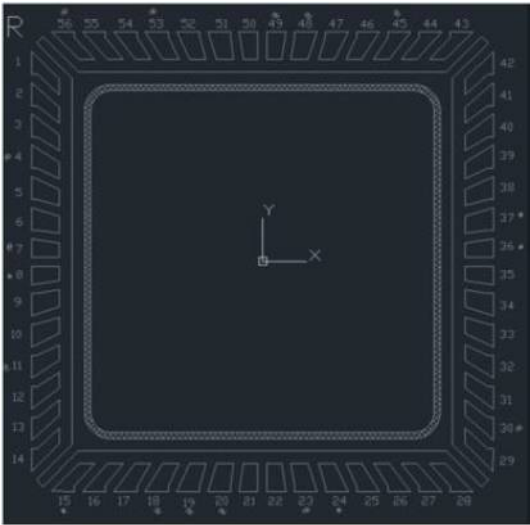


SMART | CONNECTED | SECURE

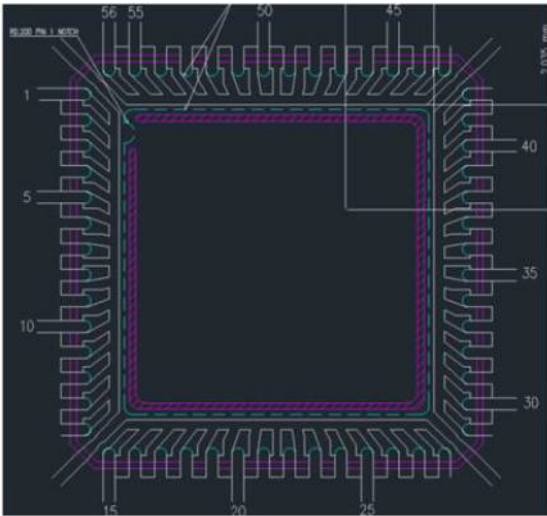
Lead frame Comparison

56L VQFN

ASE



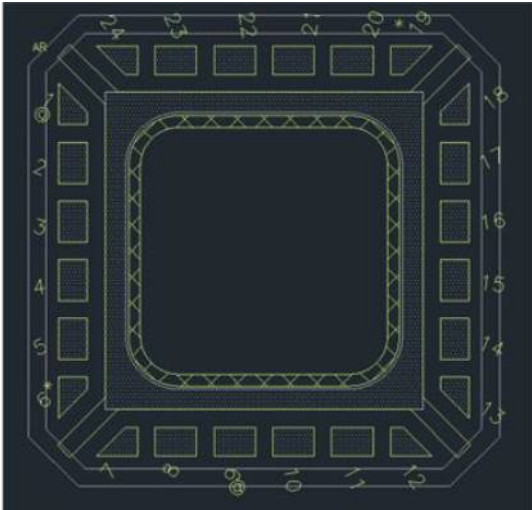
STA



Lead frame Comparison

36L VQFN

ASE



STA

