



Product Change Notification / GBNG-05QEVI441

Date:

21-Sep-2023

Product Category:

Clock and Timing - Clock and Data Distribution

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6250 Final Notice: Qualification of NSEB as a new assembly site for SY100EPxxx and SY89645L device families available in 20L TSSOP (4.4mm) package.

Affected CPNs:

[GBNG-05QEVI441_Affected_CPN_09212023.pdf](#)

[GBNG-05QEVI441_Affected_CPN_09212023.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 NSEB as a new assembly site for SY100EPxxx and SY89645L device families available in 20L TSSOP (4.4mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change
Assembly Site	Amkor Technology Philippine (P1/P2), INC.	UTAC Thai Limited (UTL-1) LTD./

	(ANAP)	NSEB
Wire material	Au	Au
Die attach material	8290	8200T
Molding compound material	G700K	G605-L
Lead frame material	C7025	C7025
Lead plating	NiPdAu	Matte Tin
Lead frame paddle size	118x165 mil	95x142 mil
DAP Surface Prep	PPF	Ag-Ring
Lead-lock	Dimple	Lead design locking
Lead frame design	See Pre and Post Change comparison	

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve on-time delivery performance by qualifying NSEB as a new assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date:November 3, 2023 (date code: 2344)

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

Time Table Summary:

	May 2023					>	September 2023					>	November 2023				
Workweek	1 8	1 9	2 0	2 1	2 2		3 5	3 6	3 7	3 8	3 9		4 4	4 5	4 6	4 7	4 8
Initial PCN Issue Date		x															
Qual Report Availability										x							
Final PCN Issue Date										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:May 10, 2023: Issued initial notification.

September 21, 2023: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on November 3, 2023.

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-05QEVI441_Pre_and_Post_Change_Summary.pdf](#)

[PCN_GBNG-05QEVI441_Qualification_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)

SY100EP56VK4G

SY100EP57VK4G

SY89645LK4G

SY100EP56VK4G-TR

SY100EP57VK4G-TR

SY89645LK4G-TR