



Product Change Notification / GBNG-21ZQVC955

Date:

24-Aug-2022

Product Category:

Clock and Timing - Clock Generation

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5142 Initial Notice: Qualification of STAR as a new assembly site for selected MX852xxx device family available in 38L LLGA (5x7x1.45mm) package.

Affected CPNs:

[GBNG-21ZQVC955_Affected_CPN_08242022.pdf](#)
[GBNG-21ZQVC955_Affected_CPN_08242022.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 STAR as a new assembly site for selected MX852xxx device family available in 38L LLGA (5x7x1.45mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change
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Assembly Site	Unisem (M) Berhad Perak, Malaysia (UNIS)	Stars Microelectronics (Thailand) Public Company Limited (STAR)
Wire material	Au	CuPdAu
Die attach material	84-1 LMISR4	CRM-1076WB
Molding compound material	GE100RFC32S	G700LTD
Substrate Core material	HL832NXA	HL832NXA
Substrate Core thickness	150 um	100+/-15 um
Substrate L1/L2 Thickness	18 um min.	30+/-7 um
SM Material	AUS308	AUS308
SM Thickness	20+/-10 um	25+/-10 um
Substrate Drill size	150 um	100+/-20 um
Substrate design	See attached Pre and Post change comparison.	

Impacts to Data Sheet:None

Change ImpactNone

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

Change Implementation Status:In Progress

Estimated Qualification Completion Date:January 2023

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:

	August 2022					→	January 2023				
	3 2	33	3 4	3 5	3 6		01	02	0 3	0 4	0 5
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:August 24, 2022: 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-21ZQVC955_Pre and Post Change_Summary.pdf](#)

[PCN_GBNG-21ZQVC955_Qual_Plan.pdf](#)

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

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If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

Affected Catalog Part Numbers (CPN)

MX852AB0070
MX852BB0020
MX852BB0030
MX852BB0060
MX852BB0063
MX852BB0084
MX852BB0117
MX852BH0121
MX852CB0069
MX852CH0088
MX852EB0027
MX852EB0053
MX852EB0058
MX852EB0102
MX852EB0085
MX852EB0103
MX852EB0131
MX852ED0034
MX852EH0093
MX852EH0094
MX852EH0095
MX852EH0120
MX852FD0035
MX852GB0073
MX852GB0082
MX852LH0089
MX852QB0090
MX852EB0122
MX852EB0136
MX852EH0140
MX852BB0141
MX852FB0142
MX852FB0143
MX852EB0145
MX852FB0146
MX852BB0147
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MX852EB0156
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MX852FB0160
MX852EB0161
MX852EB0162

MX852FB0163
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MX852BB0165
MX852EB0168
MX852EB0169
MX852EB0170
MX852AB0171
MX852EB0172
MX852EB0173
MX852EB0174
MX852BB0175
MX852AB0070-TR
MX852BB0020-TR
MX852BB0030-TR
MX852BB0060-TR
MX852BB0084-TR
MX852BH0121-TR
MX852CH0088-TR
MX852CB0069-TR
MX852EB0027-TR
MX852EB0058-TR
MX852EB0053-TR
MX852EB0085-TR
MX852EB0102-TR
MX852EB0131-TR
MX852EH0093-TR
MX852EH0094-TR
MX852EH0095-TR
MX852EH0120-TR
MX852LH0089-TR
MX852QB0090-TR
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MX852EH0140-TR
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MX852BB0165-TR

MX852EB0168-TR

MX852EB0169-TR

MX852EB0170-TR

MX852AB0171-TR

MX852EB0172-TR

MX852EB0173-TR

MX852EB0174-TR

MX852BB0175-TR