



Product Change Notification / ASER-18NDSR054

Date:

17-Mar-2021

Product Category:

Interface- Controller Area Network (CAN), Interface- LIN Transceiver

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4086 and 4086.001 Final Notice: Qualification of MMT as an additional assembly site for ATA663xx, ATA656xx, ATA662xx and ATA657xx device families available in 8L VDFN (3.0x3.0x1.0mm) and 14L VDFN (3.0x4.5x0.9 mm) packages.

Affected CPNs:

[ASER-18NDSR054_Affected_CPN_03172021.pdf](#)

[ASER-18NDSR054_Affected_CPN_03172021.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 MMT as an additional assembly site for ATA663xx, ATA656xx, ATA662xx and ATA657xx device families available in 8L VDFN (3.0x3.0x1.0mm) and 14L VDFN (3.0x4.5x0.9 mm) packages.

Pre Change: Assembled at ASCL using EN-4900 die attach, C7025 (8L VDFN) **or** C194 (14L VDFN) lead frame material without lead lock.

Post Change: Assembled at ASCL using EN-4900 die attach, C7025 (8L VDFN) **or** C194 (14L VDFN) lead frame material without lead lock. **or**

Assembled at MMT using 3280 die attach, C194 (8L and 14L VDFN) lead frame material with lead lock.

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Site	ASE Group Chung-Li (ASCL)	ASE Group Chung-Li (ASCL)	Microchip Technology Thailand Branch (MMT)
Wire Material	CuPdAu	CuPdAu	CuPdAu
Die Attach Material	EN-4900	EN-4900	3280
Molding Compound Material	G700	G700	G700
Lead Frame Material	For 8L VDFN: C7025 For 14L VDFN: C194	For 8L VDFN: C7025 For 14L VDFN: C194	C194
Lead Lock (Locking Hole)	No	No	Yes

Impacts to Data Sheet: Yes, refer to POD comparison table.

Dimensions in mm

Dimension	Symbol	ASCL			MMT		
		Min	Nom	max	Min	Nom	Max
Overall height	A	0.80	0.85	0.90	0.80	0.90	1.00
Wettable flank step length	D3	-	-	0.040	-	-	0.085
Wettable flank step height	A4	0.10	-	0.15	0.10	-	0.19

Change Impact:

None

Reason for Change: To improve manufacturability by adding MMT as an additional assembly site.

Change Implementation Status: In Progress

Estimated First Ship Date: April 30, 2021 (date code: 2118)

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

Time Table Summary:

Workweek	January 2020					>	March 2021					April 2021			
	01	02	03	04	05		10	11	12	13	14	15	16	17	18
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: January 24, 2020: Issued initial notification.

March 17, 2021: Issued final notification. Attached the qualification report and added estimated first ship date by April 30, 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_ASER-18NDSR054_Qual_Report.pdf](#)

[PCN_ASER-18NDSR054_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)

ATA663254-GBQW
ATA663211-GBQW
ATA663255-GBQW
ATA663232-GBQW
ATA663231-GBQW
ATA663201-GBQW
ATA663203-GBQW
ATA6562-GBQW0
ATA6566-GBQW0
ATA6563-GBQW0
ATA6564-GBQW0
ATA6565-GCQW0
ATA6562-GBQW1
ATA6561-GBQW
ATA6560-GBQW
ATA6564-GBQW1
ATA6563-GBQW1
ATA6566-GBQW1
ATA6560-GBQW-N
ATA6561-GBQW-N
ATA6565-GCQW1
ATA6625-GBQW
ATA6570-GCQW0
ATA6570-GCQW1
ATA6571-GCQW0-VAO
ATA6571-GCQW1-VAO
ATA663254-GBQW-VAO
ATA663231-GBQW-VAO
ATA6560-GBQW-VAO