



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

| | | ASCL | | | MMT | | | |
|----------------------------|----|-----------|--------|------|-------|------|------|-------|
| | | Dimension | Symbol | Min | Nom | Max | Min | Nom |
| 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:

| | 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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