



Product Change Notification / ALAN-27IBFL084

Date:

15-Jul-2022

Product Category:

LIN System-in-Package

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4894 Initial Notice: Qualification of MMT as an additional assembly site for selected ATA6617Cxx, ATA6616Cxx and ATA6614Qxx device families available in 38L VQFN (5x7x1mm) and 48L VQFN (7x7x1mm) package.

Affected CPNs:

[ALAN-27IBFL084_Affected_CPN_07152022.pdf](#)

[ALAN-27IBFL084_Affected_CPN_07152022.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 MMT as an additional assembly site for selected ATA6617Cxx, ATA6616Cxx and ATA6614Qxx device families available in 38L VQFN (5x7x1mm) and 48L VQFN (7x7x01mm) package.

Pre and Post Change Summary:

Package: 48L VQFN

| | | Pre Change | Post Change | |
|---------------------------|------------------|-----------------|-----------------|-----------------|
| Assembly Site | | ASCL | ASCL | MMT |
| Wire Material | | Au2N | Au2N | Au2N |
| Die Attach Material | | EN-4900 | EN-4900 | 3280 |
| Molding Compound Material | | G700LA | G700LA | G700LTD |
| Lead-frame | Material | C194 | C194 | C194 |
| | Lead-lock | No | No | Yes |
| | Paddle size | 5.9 x 5.9mm | 5.9 x 5.9mm | 5.8 x 5.8mm |
| | DAP Surface Prep | Ag ring plating | Ag ring plating | Ag ring plating |

Package: 38L VQFN

| | | Pre Change | Post Change | |
|---------------------------|------------------|---------------------------|---------------------------|-------------------------------------|
| Assembly Site | | ASE Group Chung-Li (ASCL) | ASE Group Chung-Li (ASCL) | Microchip Technology Thailand (MMT) |
| Wire Material | | Au2N | Au2N | Au2N |
| Die Attach Material | | EN-4900 | EN-4900 | 3280 |
| Molding Compound Material | | G700LA | G700LA | G700LTD |
| Lead-frame | Material | C194 | C194 | C194 |
| | Lead-lock | No | No | Yes |
| | Paddle size | 3.9 x 5.9mm | 3.9 x 5.9mm | 3.9 x 5.9mm |
| | DAP Surface Prep | Ag ring plating | Ag ring plating | Ag ring plating |

Impacts to Data Sheet:POD Changes.

| | | ASCL | | | MMT | | |
|----------------|--------|------|------|------|------|------|------|
| Dimension | Symbol | Min | Nom | Max | Min | Nom | Max |
| Overall height | A | 0.80 | 0.85 | 0.90 | 0.80 | 0.90 | 1.00 |

Change Impact:None

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

Change Implementation Status:In Progress

Estimated Qualification Completion Date:October 2022

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:

| | July 2022 | | | | | > | October 2022 | | | | |
|--------------------------|-----------|----|----|----|----|---|--------------|----|----|----|----|
| Workweek | 27 | 28 | 29 | 30 | 31 | | 41 | 42 | 43 | 44 | 45 |
| 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:July 15, 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_ALAN-27IBFL084_Qualification Plan.pdf](#)
[PCN_ALAN-27IBFL084 Pre_and_Post Change.pdf](#)

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

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Affected Catalog Part Numbers (CPN)

ATA6617C-P3QW-1

ATA6616C-P3QW-1

ATA6614Q-PLQW-1