



## Product Change Notification - JAON-19XHUX626

**Date:**

23 Apr 2018

**Product Category:**

8-bit PIC Microcontrollers

**Affected CPNs:****Notification subject:**

CCB 3359 Initial Notice: Qualification of ASSH as a new assembly site for selected Atmel products available in 44L VQFN (5x5x1.0mm) package.

**Notification text:****PCN Status:**

Initial notification

**PCN Type:**

Manufacturing Change

**Microchip Parts Affected:**

Please open one of the icons found in the Affected CPNs section above.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

**Description of Change:**

Qualification of ASSH as a new assembly site for selected Atmel products available in 44L VQFN (5x5x1.0mm) package.

**Pre Change:**

Assembled at ASKR using palladium coated copper (PdCu) bond wire, EN4900GC (top die) die attach material, QMI536 (bottom die) die attach material and G700LY mold compound material.

**Post Change:**

Assembled at ASE using palladium coated copper with gold flash (CuPdAu) bond wire, ATB125 (top and bottom die) die attach material and CEL9240 mold compound material

**Pre and Post Change Summary:**

|                                  | Pre Change            | Post Change         |
|----------------------------------|-----------------------|---------------------|
| Assembly Site                    | ASE Korea Inc. (ASKR) | ASE-Shanghai (ASSH) |
| Wire material                    | PdCu                  | CuPdAu              |
| Die attach material (Top Die)    | EN4900GC              | ATB125              |
| Die attach material (Bottom Die) | QMI536                | ATB125              |
| Molding compound material        | G700LY                | CEL9240             |
| Lead frame material              | C7025                 | C7025               |

**Impacts to Data Sheet:**

None

**Change Impact:**

None

**Reason for Change:**

To improve on-time delivery performance by qualifying ASSH as a new assembly site.

**Change Implementation Status:**

In Progress

**Estimated Qualification Completion Date:**



January 2019

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:**

| Workweek                 | April 2018 |    |    |    |    | à | January 2019 |    |    |    |    |
|--------------------------|------------|----|----|----|----|---|--------------|----|----|----|----|
|                          | 14         | 15 | 16 | 17 | 18 |   | 01           | 02 | 03 | 04 | 05 |
| 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:**

**April 23, 2018:** 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.

**Attachment(s):**

[PCN\\_JAON-19XHUX626\\_Qual\\_Plan.pdf](#)

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

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Affected Catalog Part Numbers (CPN)

ATMEGA164A-MCH  
ATMEGA164A-MCHR  
ATMEGA164PA-MCH  
ATMEGA164PA-MCHR  
ATMEGA324A-MCH  
ATMEGA324A-MCHR  
ATMEGA324PA-MCH  
ATMEGA324PA-MCHR