



## Product Change Notification / JAON-14MTDX268

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### Date:

13-Jan-2021

### Product Category:

8-bit Microcontrollers, Capacitive Touch Sensors, Touchscreen Controllers

### PCN Type:

Manufacturing Change

### Notification Subject:

CCB 4492 Initial Notice: Qualification of NSEB as a new assembly site for selected Atmel products available in 28L VQFN (4X4X1mm) package with MSL 1 classification.

### Affected CPNs:

[JAON-14MTDX268\\_Affected\\_CPN\\_01132021.pdf](#)

[JAON-14MTDX268\\_Affected\\_CPN\\_01132021.csv](#)

### 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 NSEB as a new assembly site for selected Atmel products available in 28L VQFN (4X4X1mm) package with MSL 1 classification.

### Pre Change:

Assembled at ASKR assembly site using palladium coated copper (PdCu) bond wire or gold (Au) bond wire, EN-4900GC die attach material, with PPF or Matte Sn lead plating finish, Ring plating DAP Surface Prep, without lead-lock lead frame and MSL 1 / MSL 3 classification.

### Post Change:

Assembled at NSEB assembly site using palladium coated copper with gold flash (CuPdAu) bond wire, 8600 die attach material with Matte Sn lead plating finish, Ag on lead only DAP Surface Prep and with lead-lock lead frame and MSL 1 classification.

**Pre and Post Change Summary:**

	Pre Change		Post Change
<b>Assembly Site</b>	ASE Korea Inc. (ASKR)		UTAC Thai Limited (NSEB)
<b>Wire material</b>	PdCu	Au	CuPdAu
<b>Die attach material</b>	EN-4900GC		8600
<b>Molding compound material</b>	G700		G700
<b>Lead frame material</b>	C194		C194
<b>Lead Frame Lead Lock</b>	No		Yes
<b>Lead Plating Finish</b>	Matte Sn	PPF	Matte Sn
<b>Lead Frame DAP Surface Prep</b>	Ring plating		Ag on lead only
<b>MSL Classification</b>	MSL 1	MSL 3	MSL 1

**Impacts to Data Sheet:** None

**Change Impact:**None

**Reason for Change:**To improve productivity by qualifying NSEB as a new assembly site.

**Change Implementation Status:**In Progress

**Estimated Qualification Completion Date:**July 2021

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	January 2021					-->	July 2021				
	01	02	03	04	05		27	28	29	30	31
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:** January 13, 2021: 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\\_JAON-14MTDX268\\_Qual\\_Plan.pdf](#)

[PCN\\_JAON-14MTDX268\\_Pre and Post Change\\_Summary.pdf](#)

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

## **Terms and Conditions:**

If you wish to receive Microchip PCNs via email please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

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)

ATTINY88-MMU  
ATTINY88-MMH  
ATTINY88-MMUR  
ATTINY88-MMHR  
AT42QT20C07-MMU  
ATTINY48-MMU  
ATTINY48-MMH  
ATTINY48-MMUR  
ATTINY48-MMHR  
ATMEGA88PA-MMH  
ATMEGA88A-MMH  
ATMEGA88PA-MMN  
ATMEGA88PA-MMNR  
ATMEGA88PA-MMUR  
ATMEGA88PA-MMHR  
ATMEGA88A-MMHR  
ATMEGA168PA-MMH  
ATMEGA168A-MMH  
ATMEGA168PA-MMHR  
ATMEGA168A-MMHR  
ATMEGA48PA-MMH  
ATMEGA48A-MMH  
ATMEGA48PA-MMN  
ATMEGA48PA-MMNR  
ATMEGA48PA-MMHR  
ATMEGA48A-MMHR  
ATMEGA48P-20MMU  
ATMEGA48PV-10MMU  
ATMEGA48P-20MMUR  
ATMEGA48PV-10MMUR  
ATMEGA48V-10MMU  
ATMEGA48-20MMU  
ATMEGA48V-10MMH  
ATMEGA48-20MMH  
AT42QT2160-MMUR  
AT42QT1060-MMUR  
ATMEGA48V-10MMUR  
ATMXTS200-MMU020  
ATMXTS200-MMU022  
ATMXTS200-MMUR020  
ATMXTS200-MMUR022  
ATMXTS220-MMU020  
ATMXTS220-MMU021  
ATMXTS220-MMUR020  
ATMXTS220-MMUR021