

## Product Change Notification - KSRA-21FVQA207 [\(Convert To PDF\)](#)

**Date:** 23 Aug 2018

**Product Category:** 8-bit Microcontrollers

**Affected CPNs:**

**Notification subject:** CCB 3517 Final Notice: Qualification of MTAI as an additional final test site for selected Atmel ATmega products available in 44L TQFP (10x10x1.0mm) package.

**Notification text:** **PCN Status:**  
Final 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 MTAI as an additional final test site for selected Atmel ATmega products available in 44L TQFP (10x10x1.0mm) package.

**Pre Change:**  
Final Tested at LPI or ASE9

**Post Change:**  
Final Tested at LPI, ASE9 or MTAI

**Pre and Post Change Summary:**

	Pre Change		Post Change		
<b>Final Test Site</b>	Lingsen Precision Industires, LTD. / LPI	ASE Test / ASE9	Lingsen Precision Industires, LTD. / LPI	ASE Test / ASE9	Microchip Technology Thailand (HQ) / MTAI

**Impacts to Data Sheet:**  
None

**Change Impact:**  
None

**Reason for Change:**  
To improve on-time delivery performance by qualifying MTAI as an additional final test site.

**Change Implementation Status:**  
In Progress

**Estimated First Ship Date:**  
September 2, 2018 (date code: 1836)

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

**Time Table Summary:**

	August 2018					September 2018				
Workweek	31	32	33	34	35	36	37	38	39	40
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:**  
**August 23, 2018:** Issued final notification. Attached the Qualification Report. Provided estimated first ship date on September 2, 2018

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\\_KSRA-21FVQA207\\_Qual\\_Report.pdf](#)

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

**Terms and Conditions:**

If you wish to change your product/process change notification (PCN) profile please log on to our website at <http://www.microchip.com/PCN> sign into myMICROCHIP to open the myMICROCHIP home page, then select a profile option from the left navigation bar.

To opt out of future offer or information emails (other than product change notification emails), click here to go to [microchipDIRECT](#) and login, then click on the "My account" link, click on "Update profile" and un-check the box that states "Future offers or information about Microchip's products or services."

[Close](#)

Affected Catalog Part Numbers (CPN)

ATMEGA1284-AU  
ATMEGA1284-AUR  
ATMEGA1284P-AU  
ATMEGA1284P-AUR  
ATMEGA164A-AU  
ATMEGA164A-AUA2  
ATMEGA164A-AUR  
ATMEGA164A-AURA2  
ATMEGA164PA-AU  
ATMEGA164PA-AUR  
ATMEGA324A-AU  
ATMEGA324A-AUR  
ATMEGA324PA-AU  
ATMEGA324PA-AUR  
ATMEGA644A-AU  
ATMEGA644A-AUR  
ATMEGA644PA-AU  
ATMEGA644PA-AUR



**MICROCHIP**

# **QUALIFICATION REPORT SUMMARY**

**PCN #: KSRA-21FVQA207**

**Date**

**April 17, 2018**

**Qualification of MTAI as an additional final test site for selected Atmel ATmega products available in 44L TQFP (10x10x1.0mm) package.**

**Purpose:** Qualification of MTAI as an additional final test site for selected Atmel ATmega products available in 44L TQFP (10x10x1.0mm) package.

**CCB No:** 3517

**Correlation Criteria:**

<b>Test / Evaluation</b>	<b>Test Conditions / Parameters</b>	<b>Result</b>
Datalog/Bin Comparison	Compare test numbers, test names, test sequence bin assignments & pass/fail results Accept if all match or justify the differences	Pass
Site by site verification	Verifies the channel map has the correct site assignments and tester/handler communications work correctly	Pass
Correlation lot report	Yield at each step and reject analysis between systems. 5K units are tested for each program conversion we perform.	Pass
Unit to unit parametric correlation	A full assembly strip characterized on both systems and graphed vs each other & the data sheet limits	Pass
Test stability verification	50 loop test performed with no datalog delays Accept on 0 fails	Pass
Parametric test stability verification	Use Real Time Statistics software to create report of all parametric tests	Pass