

Product Change Notification: MFOL-11XASP170

Date:

17-Sep-2024

Product Category:

Crypto Memory

Notification Subject:

CCB 7130 Initial Notice: Qualification of UID as an additional final test location for AT88SC153, AT88AA001, AT88AK001, AT88SC0104C, AT88SC0104CA, AT88SC0204C, AT88SC0204CA, AT88SC0404C, AT88SC0404CA, AT88SC0808C, AT88SC0808CA, AT88SC1003, AT88SC102, AT88SC12816C, AT88SC1604A, AT88SC1608, AT88SC1616C, AT88SC25616C, AT88SC3216C and AT88SC6416C device families available in SCC (12.6x11.4x0.58mm) package.

Affected CPNs:

MFOL-11XASP170_Affected_CPN_09172024.pdf MFOL-11XASP170_Affected_CPN_09172024.csv

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 UID as an additional final test location for AT88SC153, AT88AA001, AT88AK001, AT88SC0104C, AT88SC0104CA, AT88SC0204C, AT88SC0204CA, AT88SC0404C, AT88SC0404CA, AT88SC0808C, AT88SC0808CA, AT88SC1003, AT88SC102, AT88SC12816C, AT88SC1604A, AT88SC1608, AT88SC1616C, AT88SC25616C, AT88SC3216C and AT88SC6416C device families available in SCC (12.6x11.4x0.58mm) package.

Pre and Post Summary Changes:

Pre Change	Post Change

Final Test Site		AIC Semiconductor Sdn Bhd (AIC)	AIC Semiconductor Sdn Bhd (AIC)	UTAC Indonesia (UID)	
Pin Orientation		Quadrant 1	Quadrant 1	Quadrant 1	
Base Multiple Quantity (BQM)		1	1	1	
	Color	Black	Black	Blue	
Tape and Reel	Dimension	With minor dimensional change. See Pre and Post change summary for comparison.			
Packing Method		See Pre and Post change summary for comparison.			

Impacts to Datasheet: None

Change Impact: None

Reason for Change: To improve manufacturability by qualifying UID as an additional final test location.

Change Implementation Status: In Progress

Estimated Qualification Completion Date: September 2024

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.

Timetable Summary:

	September 2024				
Work Week	36	37	38	39	40

Initial PCN Issue Date		Х	
Qual Report Availability			Х
Final PCN Issue Date			Х

Method to Identify Change: Traceability Code

Qualification Plan: Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan.

Revision History: September 17, 2024: Issued initial notification.

Note: The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable product.

Attachments:

PCN_MFOL-11XASP170_Pre and Post Change_Summary.pdf PCN_MFOL-11XASP170_Qual_Plan.pdf

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to <u>receive Microchip PCNs via email</u> 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 <u>change your PCN profile</u>, <u>including opt out</u>, 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.

MFOL-11XASP170 - CCB 7130 Initial Notice: Qualification of UID as an additional final test location for AT88SC153, AT88AA001, AT88AK001, AT88SC0104C, AT88SC0104CA, AT88SC0204CA, AT88SC0204CA, AT88SC0204CA, AT88SC0404CA, AT88SC0404CA, AT88SC0808CA, AT88SC1003, AT88SC102, AT88SC12816C, AT88SC1604A, AT88SC1608, AT88SC1616C, AT88SC25616C, AT88SC3216C and AT88SC6416C device families available in SCC (12.6x11.4x0.58mm) package.

AT88AA001-MJTG AT88SC0204C-MJTG AT88SC0404C-MJTG AT88SC0808C-MJTG AT88SC1616C-MJTG AT88AA001-MJ AT88AK001-MJ AT88SC0104C-MJ AT88SC0204C-MJ AT88SC0404C-MJ AT88SC0808C-MJ AT88SC1616C-MJ AT88SC0104CA-MJTG AT88SC0204CA-MJTG AT88SC0404CA-MJTG AT88SC0808CA-MJTG AT88SC25616C-MB AT88SC0104CA-MJ AT88SC0204CA-MJ AT88SC0404CA-MJ AT88SC0808CA-MJ AT88SC1003-09JT-02 AT88SC0104C-MPTG AT88SC0204C-MPTG AT88SC0404C-MPTG AT88SC0104C-ME AT88SC0204C-ME AT88SC0404C-ME AT88SC0808C-ME AT88SC1616C-ME AT88SC1608-09ET-10 AT88SC1608-09ET-00 AT88SC102-09ET-17 AT88SC102-09ET-19 AT88SC102-09ET-01 AT88SC102-09ET-03 AT88SC102-09ET-08 AT88SC102-09ET-00 AT88SC1003-09ET-01 AT88SC1003-09ET-00 AT88SC0808C-MPTG AT88SC1616C-MPTG AT88SC153-09ET-00 AT88SC102-09PT-01 AT88SC1608-09PT-07 AT88SC1608-09PT-01

MFOL-11XASP170 - CCB 7130 Initial Notice: Qualification of UID as an additional final test location for AT88SC153, AT88AA001, AT88AK001, AT88SC0104C, AT88SC0104CA, AT88SC0204CA, AT88SC0204CA, AT88SC0204CA, AT88SC0404C, AT88SC0404CA, AT88SC0808C, AT88SC0808CA, AT88SC1003, AT88SC102, AT88SC12816C, AT88SC1604A, AT88SC1608, AT88SC1616C, AT88SC25616C, AT88SC3216C and AT88SC6416C device families available in SCC (12.6x11.4x0.58mm) package.

AT88SC1604A-09PT-66 AT88SC0104CA-MPTG AT88SC0204CA-MPTG AT88SC0404CA-MPTG AT88SC0808CA-MPTG AT88SC0104C-MP AT88SC0204C-MP AT88SC0404C-MP AT88SC0808C-MP AT88SC1616C-MP AT88SC0104CA-MP AT88SC0204CA-MP AT88SC0404CA-MP AT88SC0808CA-MP AT88SC3216C-MJ AT88SC6416C-MJ AT88SC12816C-MJ AT88SC25616C-MJ AT88SC3216C-MJTG AT88SC6416C-MJTG AT88SC12816C-MJTG AT88SC25616C-MJTG AT88SC0104C-MJTG

CCB 7130 Pre and Post Change Summary PCN #: MFOL-11XASP170



A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



Pre and Post change summary

	AIC	UID
Base Multiple Quantity (BQM)	1	1
Pin Orientation	Quadrant 1	Quadrant 1



Pre and Post change summary - Reel

	AIC	UID
Color	Black	Blue
Hub Size	176mm	100mm
Actual Photo		



Pre and Post Change Summary - Reel



Pre and Post change summary – Packing Method





Pre and Post change summary – Packing Method







QUALIFICATION PLAN SUMMARY RELIABILITY LABORATORY

PCN #: MFOL-11XASP170

Date: August 16, 2024

Qualification of UID as an additional final test location for AT88SC153, AT88AA001, AT88AK001, AT88SC0104C, AT88SC0104CA, AT88SC0204C, AT88SC0204CA, AT88SC0404C, AT88SC0404CA, AT88SC0808C, AT88SC0808CA, AT88SC1003, AT88SC102, AT88SC12816C, AT88SC1604A, AT88SC1608, AT88SC1616C, AT88SC25616C, AT88SC3216C and AT88SC6416C device families available in SCC (12.6x11.4x0.58mm) package.



Purpose Qualification of UID as an additional final test location for AT88SC153, AT88AA001, AT88AK001, AT88SC0104C, AT88SC0104CA, AT88SC0204C, AT88SC0204CA, AT88SC0404C, AT88SC0404CA, AT88SC0808C, AT88SC0808CA, AT88SC1003, AT88SC102, AT88SC12816C, AT88SC1604A, AT88SC1608, AT88SC1616C, AT88SC25616C, AT88SC3216C and AT88SC6416C device families available in SCC (12.6x11.4x0.58mm) package.

CCB No. 7130

Test / Evaluation	Test Condition / Parameters
Correlation Lot Report	 Characterize 33 good devices at the original test site with DC items and measurable functional test items specified from product datasheet and send same devices to the destination final test site
Parametric Correlation	 Re-characterize the same 33 good devices at the destination test site using the destination site tester, hardware, test program for the same DC and measurable functional tests on each ATE Tester. The results must be within ± 10% of measured values from original test site.
Bin and Yield Comparison	 Test ~3,000 tested devices from original test site and re-test at destination site to original flows and keep the good devices and rejects in separate bins Compare results between old and new test site. Results should be with in 0.1%