Product Change Notification / KSRA-20BGKY389

Date:

11-Apr-2023

Product Category:

8-bit Microcontrollers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4023.001 and 4023.002 Final Notice: Qualification of MTAI as a new assembly site for selected Atmel products available in 32L (7x7x1.0mm) and 48L TQFP (7x7x1.0mm) package using gold (Au) wire.

Affected CPNs:

KSRA-20BGKY389_Affected_CPN_04112023.pdf
KSRA-20BGKY389_Affected_CPN_04112023.csv

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 a new assembly site for selected Atmel products available in 32L (7x7x1.0mm) and 48L TQFP (7x7x1.0mm) package using gold (Au) wire.

Pre Change:
Assembled at ASCL assembly site using palladium coated copper with gold flash (CuPdAu) bond wire, G700 and CEL-9240 molding compound, EN4900G die attach, and C194-ESH lead frame material with MSL Level 3 classification

Post Change:

Assembled at MTAI assembly site using gold (Au) bond wire, G700 molding compound, 3280 die attach, and C7025 lead frame material with MSL Level 1 classification

Pre and Post Change Summary:

	Pre Change		Post Change
Assembly Site	ASE Group Chung-Li / ASCL		Microchip Technology Thailand (HQ) / MTAI
Wire material	CuPdAu		Au
Die attach material	EN4900G		3280
Molding compound material	G700	CEL-9240	G700
Lead frame material	C194-ESH		C7025
MSL	MSL 3		MSL 1

Impacts to Data Sheet:

None

Change Impact: None

Reason for Change: To improve productivity by qualifying MTAI as a new assembly site

Change Implementation Status: In Progress

Estimated First Ship Date: March 14, 2020(date code: 2011)

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

Time Table Summary:

	December 2019				→	February 2020					March 2020				
Workweek	49	50	51	52		05	06	07	08	09	10	11	12	13	14
Initial PCN Issue Date				X											
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:December 23, 2019: Issued initial notification.
February 14, 2020: Issued final notification. Attached the Qualification Report. Updated the pre and post change to add

CEL-9240 molding compound material. Provided estimated first ship date to be on March 14, 2020 **April 11, 2023:** Re-issued final notification. Updated affected parts list to include ATMEGA328PB-ABTVAO catalog part number (CPN).

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

Attachments:

PCN_KSRA-20BGKY389_Qual_Report.pdf

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

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