Product Change Notification - RMES-10NGWL694

Date:	06 Oct 2017
Product Category:	8-bit PIC Microcontrollers; Capacitive Touch Sensors
Notification subject:	CCB 2913 Final Notice: Qualification of MTAI as an additional assembly site for selected Atmel products available in 32L TQFP (7x7x1 mm) package using CuPdAu bond wire.
Notification text:	**PCN Status:**

Final notification.

Microchip Parts Affected:
Please open the attachments found in the attachments field below labeled as PCN_#_Affected_CPN.

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

Description of Change:
Qualification of MTAI as an additional assembly site for selected Atmel products available in 32L TQFP (7x7x1 mm) package using palladium coated copper with gold flash (CuPdAu) bond wire.

Pre Change:
Assembled at LPI, ANAK (ATK) or ANAP (ATP) using gold (Au) or palladium coated copper (PdCu) bond wire.

Post Change:
Assembled at LPI, ANAK (ATK), ANAP (ATP) using gold (Au) or palladium coated copper (PdCu) bond wire
or Assembled at MTAI using palladium coated copper with gold flash (CuPdAu) bond wire.

Pre and Post Change Summary:

	Pre Change			Post Change			
Assembly Site	LPI	ANAK	ANAP	LPI	ANAK	ANAP	MTAI
Lead frame material	C7025	CDA194	CDA194	C7025	CDA194	CDA194	C7025
Wire material	Au or PdCu	Au or PdCu	Au or PdCu	Au or PdCu	Au or PdCu	Au or PdCu	CuPdAu
Die attach material	CRM1033BF	3230	3230	CRM1033BF	3230	3230	3280
Mold compound material	G700			G700			G700

Impacts to Data Sheet:
None

Change Impact:
None

Reason for Change:
To improve productivity by qualifying MTAI as an additional assembly site.

Change Implementation Status:
In Progress

Estimated First Ship Date:
November 06, 2017 (1745)

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:

	May 2017					->	October 2017				November 2017				
Workweek	18	19	20	21	22		40	41	42	43	44	45	46	47	48
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 Plan:
Please open the attachments included with this PCN labeled as PCN_#_Qual Plan.

Revision History:
May 3, 2017: Issued initial notification.
May 8, 2017: Re-issued the initial notification to notify all affected customers.
October 06, 2017: Issued final notification. Attached the Qualification Report. Updated the affected parts list.Provided estimated first ship date on November 06, 2017.

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_RMES-10NGWL694_Affected_CPN.pdf
PCN_RMES-10NGWL694_Qual Report.pdf
PCN_RMES-10NGWL694_Affected_CPN.xlsx

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

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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."

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Affected Catalog Part Number (CPN)

PCN_RMES-10NGWL694
CATALOG_PART_NBR
AT42QT1110-AUR
AT42QT1244-AU
AT42QT1244-AUR
AT42QT1245-AU
AT42QT1245-AUR
AT89LP428-20AU
AT89LP828-20AU
AT90USB162-16AU
AT90USB162-16AUR
ATMEGA168-20AU
ATMEGA168-20AUR
ATMEGA168-20AURA0
ATMEGA168A-AU
ATMEGA168A-AUR
ATMEGA168P-20AN
ATMEGA168P-20ANR
ATMEGA168P-20AU
ATMEGA168P-20AUR
ATMEGA168PA-AN
ATMEGA168PA-ANR
ATMEGA168PA-AU
ATMEGA168PA-AUA1
ATMEGA168PA-AUR
ATMEGA168PV-10AN
ATMEGA168PV-10AU
ATMEGA168PV-10AUR
ATMEGA168V-10AU
ATMEGA168V-10AUR
ATMEGA16M1-AU
ATMEGA16U2-AU
ATMEGA16U2-AUR
ATMEGA328-AU
ATMEGA328-AUR
ATMEGA328P-AN
ATMEGA328P-ANR
ATMEGA328P-AU
ATMEGA328P-AUR
ATMEGA328P-AURA0
ATMEGA32M1-AU
ATMEGA32M1-AUR
ATMEGA32U2-AU
ATMEGA32U2-AUR

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Affected Catalog Part Number (CPN)

PCN_RMES-10NGWL694
CATALOG_PART_NBR
ATMEGA48-20AU
ATMEGA48-20AUR
ATMEGA48A-AU
ATMEGA48A-AUR
ATMEGA48P-20AU
ATMEGA48P-20AUR
ATMEGA48PA-AN
ATMEGA48PA-ANR
ATMEGA48PA-AU
ATMEGA48PA-AUA8
ATMEGA48PA-AUR
ATMEGA48PA-AURA9
ATMEGA48PA-AURB0
ATMEGA48PV-10AU
ATMEGA48PV-10AUR
ATMEGA48V-10AU
ATMEGA48V-10AUB1
ATMEGA48V-10AUR
ATMEGA48V-10AURA4
ATMEGA48V-10AURA6
ATMEGA64M1-AU
ATMEGA8-16AU
ATMEGA8-16AUA4
ATMEGA8-16AUR
ATMEGA8-16AUR133
ATMEGA8-16AUR478
ATMEGA8-16AURA0
ATMEGA8-16AURA3
ATMEGA88-20AU
ATMEGA88-20AU591
ATMEGA88-20AUR
ATMEGA88-20AUR453
ATMEGA88-20AUR618
ATMEGA88-20AURA7
ATMEGA88A-AU
ATMEGA88A-AUR
ATMEGA88P-20AU
ATMEGA88P-20AUR
ATMEGA88PA-AN
ATMEGA88PA-ANR
ATMEGA88PA-AU
ATMEGA88PA-AUA5

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Affected Catalog Part Number (CPN)

PCN_RMES-10NGWL694
CATALOG_PART_NBR
ATMEGA88PA-AUA6
ATMEGA88PA-AUR
ATMEGA88PA-AURA3
ATMEGA88PA-AURA4
ATMEGA88PV-10AU
ATMEGA88PV-10AUR
ATMEGA88V-10AU
ATMEGA88V-10AUR
ATMEGA88V-10AURA0
ATMEGA8A-AN
ATMEGA8A-ANR
ATMEGA8A-AU
ATMEGA8A-AU744
ATMEGA8A-AUR
ATMEGA8L-8AU
ATMEGA8L-8AUA1
ATMEGA8L-8AUA4
ATMEGA8L-8AUR
ATMEGA8L-8AUR056
ATMEGA8L-8AURA2
ATMEGA8L-8AURA3
ATMEGA8L-8AURA5
ATMEGA8L-8AURA6
ATMEGA8U2-AU
ATMEGA8U2-AUR
ATMEGAS64M1-MA-HP
ATTINY48-AU
ATTINY48-AU907
ATTINY48-AUR
ATTINY828-AU
ATTINY828-AUR
ATTINY828R-AU
ATTINY828R-AUR
ATTINY88-AU
ATTINY88-AUR
ATXMEGA16E5-AN
ATXMEGA16E5-ANR
ATXMEGA16E5-AU
ATXMEGA16E5-AUR
ATXMEGA32E5-AN
ATXMEGA32E5-ANR
ATXMEGA32E5-AU

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Affected Catalog Part Number (CPN)

PCN_RMES-10NGWL694
CATALOG_PART_NBR
ATXMEGA32E5-AUR
ATXMEGA8E5-AN
ATXMEGA8E5-ANR
ATXMEGA8E5-AU
ATXMEGA8E5-AUR
QT60168-ASG
QT60168C-ASG