



Product Change Notification / KSRA-15SEZS912

Date:

21-Dec-2020

Product Category:

Car Access, Wireless Modules

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4245 Final Notice: Qualification of MMT as an additional assembly site for selected Atmel ATA57xx, ATA58xx, ATA82xx and ATA85xx device families available in 32L VQFN (5x5x1mm) package using palladium coated copper with gold flash (CuPdAu) bond wire

Affected CPNs:

[KSRA-15SEZS912_Affected_CPN_12212020.pdf](#)

[KSRA-15SEZS912_Affected_CPN_12212020.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 MMT as an additional assembly site for selected Atmel ATA57xx, ATA58xx, ATA82xx and ATA85xx device families available in 32L VQFN (5x5x1mm) package using palladium coated copper with gold flash (CuPdAu) bond wire.

Pre Change:

Assembled at ASCL using EN-4900G die attach, palladium coated gold (AuPd1), palladium coated copper (PdCu) or

palladium coated copper with gold flash (CuPdAu) bond wire material and C7025 lead frame material without lead lock.

Post Change:

Assembled at ASCL using EN-4900G die attach, palladium coated gold (AuPd1), palladium coated copper (PdCu) or palladium coated copper with gold flash (CuPdAu) bond wire material and C7025 lead frame material without lead lock or Assembled at MMT using 3280 die attach and palladium coated copper with gold flash (CuPdAu) bond wire material and C194 lead frame material with lead lock.

Pre and Post Change Summary:

	Pre Change			Post Change			
Assembly Site	ASE Group Chung-Li (ASCL)			ASE Group Chung-Li (ASCL)			Microchip Technology Thailand (Branch) - (MMT)
Wire material	AuPd1	PdCu	CuPdAu	AuPd1	PdCu	CuPdAu	CuPdAu
Die attach material	EN-4900G			EN-4900G			3280
Molding compound material	G700			G700			G700
Lead frame material	C7025			C7025			C194
Lead Frame lead-lock	No			No			Yes
	See Pre and Post Change attachment for lead frame comparison.						

Impacts to Data Sheet: Yes. Please see below POD comparison between ASCL and MMT *Note: Dimensions in mm*

		ASCL			MMT		
Dimension	Symbol	Min	Nom	Max	Min	Nom	Max
Overall height	A	0.80	0.85	0.90	0.80	0.90	1.00
Wettable flank step length	D3	-	-	0.040	-	-	0.085
Wettable flank step height	A4	0.10	-	0.15	0.10	-	0.19

Change Impact:None

Reason for Change:To improve on time delivery performance by qualifying MMT as an additional assembly site

Change Implementation Status:In Progress

Estimated First Ship Date:January 1, 2021 (date code: 2101)

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

Time Table Summary:

	October 2020						December 2020					January 2021				
Workweek	40	41	42	43	44		49	50	51	52	53	01	02	03	04	05
Initial PCN Issue Date		X														
Qual Report Availability										X						
Final PCN Issue Date										X						
Estimated First Ship 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: **October 06, 2020:** Issued initial notification. **October 12, 2020:** Re-issued initial notification to remove comment on the qualification plan. **December 21, 2020:** Issued final notification. Corrected the LF pre change at ASCL from C194 to C7025 lead frame material. Attached the qualification report. Provided estimated first ship date to be on January 1, 2021.

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-15SEZS912_Qual_Report.pdf](#)
[PCN_KSRA-15SEZS912_Pre and Post Change_Summary.pdf](#)

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

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