



Product Change Notification / ALAN-18ICJA641

Date:

20-Apr-2023

Product Category:

8-bit Microcontrollers, Capacitive Touch Sensors

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6236 Final Notice: Qualification of ANAP as an additional assembly site for ATMEGAxx, QT60168xx, ATTINY8xx, AT42QT11xx, AT89LP42xx, and AT42QT12xx device families available in 32L TQFP (7x7x1mm) package.

Affected CPNs:

[ALAN-18ICJA641_Affected_CPN_04202023.pdf](#)

[ALAN-18ICJA641_Affected_CPN_04202023.csv](#)

Notification Text:

PCN Status:Final 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 ANAP as an additional assembly site for ATMEGAxx, QT60168xx, ATTINY8xx, AT42QT11xx, AT89LP42xx, and AT42QT12xx device families available in 32L TQFP (7x7x1mm) package.

Pre and Post Change Summary:

		Pre Change				Post Change					
Assembly Site		Lingsen Precision Industries, LTD. (LPI)		Microchip Technology Thailand (HQ) (MTAI)		Lingsen Precision Industries, LTD. (LPI)		Microchip Technology Thailand (HQ) (MTAI)		Amkor Technology Philippine (P1/P2), INC. (ANAP)	
Wire Material		CuPdAu	Au	CuPdAu	Au	CuPdAu	Au	CuPdAu	Au	AuPd	
Die Attach Material		CRM-1033BF		3280		CRM-1033BF		3280		3230	
Molding Compound Material		G700		G700HA		G700		G700HA		G700L	
Lead Frame	Lead-Frame Material	C7025		C7025		C7025		C7025		C194	
	Lead-Frame Paddle Size	205X205		160X160		205X205		160X160		197x197 mil	
	DAP Surface Prep	DOUBLE RING		BARE Cu		DOUBLE RING		BARE Cu		DOUBLE RING	
	Please see Pre and Post change for comparison										
MSL		MSL3		MSL1		MSL3		MSL1		MSL3	
Tray		Bakeable		Non-bakeable		Bakeable		Non-bakeable		Bakeable	

Impacts to Data Sheet:None

Change ImpactNone

Reason for Change:To improve manufacturability by qualifying MMT as an additional assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date:May 10, 2023 (date code: 2319)

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

Time Table Summary:

	April 2023				May 2023				
Workweek	1	1	1	1	1	1	2	2	2

	4	5	6	7	8	9	0	1	2
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:April 20, 2023: Issued final notification.

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

Attachments:

[PCN_ALAN-18ICJA641_Pre and Post Change_Summary.pdf](#)
[PCN_ALAN-18ICJA641_Qual Report.pdf](#)

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

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If you wish to change your PCN profile, including opt out, 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.

Affected Catalog Part Numbers (CPN)

ATMEGA8A-AU744
ATMEGA8-16AURA0
QT60168C-ASG
ATMEGA8L-8AURA2
ATTINY88-AU
ATTINY88-AUR
AT42QT1110-AUR
ATMEGA88PA-AN
ATMEGA88PA-ANR
ATMEGA168PA-AN
ATMEGA168PA-ANR
ATMEGA8A-AN
ATMEGA8A-ANR
ATMEGA328P-AN
ATMEGA328P-ANR
ATMEGA48PA-AN
ATMEGA48PA-ANR
ATMEGA48PA-AURB0
ATTINY828-AU
ATTINY828R-AU
ATTINY828-AUR
ATTINY828R-AUR
QT60168-ASG
AT89LP428-20AU
ATMEGA168P-20AU
ATMEGA168PV-10AU
ATMEGA168P-20AN
ATMEGA168PV-10AN
ATMEGA168P-20ANR
ATMEGA168P-20AUR
ATMEGA168PV-10AUR
ATMEGA88P-20AU
ATMEGA88PV-10AU
AT42QT1244-AU
AT42QT1245-AU
ATMEGA88PV-10AUR
ATMEGA88P-20AUR
AT42QT1244-AUR
AT42QT1245-AUR
ATMEGA48PV-10AU
ATMEGA48P-20AU
ATMEGA48PV-10AUR
ATMEGA48P-20AUR