



Product Change Notification / NTDO-17SDDT634

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 MTAI as an additional assembly site for selected AT86RF215, ATmega644/1284/2564RFR2 and ATSAM4Lx8xx device families available in 48L VQFN (7x7x0.9mm) package.

Pre and Post Change Summary:

For AT86RF215 device family currently assembled in ASE:

	Pre Change	Post Change
Assembly Site	ASE Inc. (ASE)	Microchip Technology Thailand (HQ) (MTAI)
Wire material	PdCu	Au
Die attach material	EN-4900F	3280
Molding compound material	G631H	G700LTD
MSL information	MSL 3	MSL 1
Lead frame material	C194	C194
DAP Surface Prep	Ag Ring plating	Bare Cu
Lead frame plating finish	Matte tin	Matte tin
Lead frame lead-lock	No	Yes
	See Pre and Post Change attachment for lead frame comparison	

Date

02-Jul-2021

PCN Type

Manufacturing Change

PCN

NTDO-17SDDT634

Title

CCB 4529 Initial Notice: Qualification of MTAI as an additional assembly site for selected AT86RF215, ATmega644/1284/2564RFR2 and ATSAM4Lx8xx device families available in 48L VQFN (7x7x0.9mm) package.

Product Category

32-bit Microcontrollers, Smart Energy
Wireless Communications, Wireless
Modules

Affected CPNs

[NTDO-17SDDT634 Affected CPN 07022021.pdf](#)

[NTDO-17SDDT634 Affected CPN 07022021.csv](#)

Attachments

[PCN NTDO-17SDDT634 Qual Plan.pdf](#)

[PCN NTDO-17SDDT634 Pre and Post Change Summary.pdf](#)

**MICROCHIP**
[Tools](#)
[Products and Solutions](#)
[Software](#)
[Support](#)
[Education](#)
[About Now](#)



For AT86RF215, ATmega644/1284/2564 and ATSAM4L8xx device families currently assembled in ASE and MMT:

[Home](#) / [Product Change Notifications](#) / [NTDO-17SDDT634](#)




	Pre Change		Post Change		
Assembly Site	ASE Inc. (ASE)	Microchip Technology Thailand (Branch) (MMT)	ASE Inc. (ASE)	Microchip Technology Thailand (Branch) (MMT)	Microchip Technology Thailand (HQ) (MTAI)
Wire material	PdCu	Au	PdCu	Au	Au
Die attach material	EN-4900F	3280	EN-4900F	3280	3280
Molding compound material	G631H	G700LTD	G631H	G700LTD	G700LTD
MSL information	MSL 3	MSL 1	MSL 3	MSL 1	MSL 1
Lead frame material	C194	C194	C194	C194	C194
DAP Surface Prep	Ag Ring plating	Bare Cu	Ag Ring plating	Bare Cu	Bare Cu
Lead frame plating finish	Matte tin	Matte tin	Matte tin	Matte tin	Matte tin
Lead frame lead-lock	No	Yes	No	Yes	Yes
	See Pre and Post Change attachment for lead frame comparison				

For ATmega2564RFR device families currently assembled in ATP7 and MMT:

	Pre Change		Post Change		
Assembly Site	Amkor Technology Philippines (P3/P4), INC. (ATP7)	Microchip Technology Thailand (Branch) (MMT)	Amkor Technology Philippines (P3/P4), INC. (ATP7)	Microchip Technology Thailand (Branch) (MMT)	Microchip Technology Thailand (HQ) (MTAI)
Wire material	AuPd	Au	AuPd	Au	Au
Die attach material	AMK-06	3280	AMK-06	3280	3280
Molding compound material	G700Y	G700LTD	G700Y	G700LTD	G700LTD
MSL information	MSL 3	MSL 1	MSL 3	MSL 1	MSL 1



[Tools](#)
[Product Solution](#)
[And](#)
[Support](#)
[Education](#)
[About](#)
[Order Now](#)

Lead frame material	C194	C194	C194	C194	C194	
Home / Product Change Notifications / NTDO-17SDDT634						
DAP Surface Prep	Bare Cu	Bare Cu	Bare Cu	Bare Cu	Bare Cu	
Lead frame plating finish	Matte tin	Matte tin	Matte tin	Matte tin	Matte tin	
Lead frame lead-lock	No	Yes	No	Yes	Yes	
See Pre and Post Change attachment for lead frame comparison						

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve on-time delivery performance by qualifying MTAL as an additional assembly site.

Change Implementation Status:

In Progress

Estimated Qualification Completion Date:

July 2021

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:

	July 2021					August 2021				
Workweek	27	28	29	30	31	32	33	34	35	36
Initial PCN Issue Date	X									
Qual Report Availability					X					
Final PCN Issue Date					X					
Estimated First Ship Date									X	

Method to Identify Change:

**MICROCHIP**[Tools](#)
[Product Solution](#) [And](#) [Support](#) [Education](#) [About](#) [Order Now](#)
[Software](#)**Qualification Plan:**

Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan

[Home](#) / [Product Change Notifications](#) / [NTDO-17SDDT634](#)**Revision History:****July 2, 2021:** Issued initial notification.

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

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

Terms and Conditions:

If you wish to [receive Microchip PCNs via email](#) 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 [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.

[Products](#) | [Applications](#) | [Design](#) | [Training](#) | [Sample](#) | [About](#) | [Contact](#) | [Legal](#) |
[Privacy Policy](#) | [Investors](#) | [Careers](#) | [Support](#)

©Copyright 1998-2021 Microchip Technology Inc. All rights reserved.



[Product](#)[Solution](#)[Tools](#)[And](#)[Support](#)[Education](#)[About](#)[Order Now](#)
[Software](#)



[Home](#) / [Product Change Notifications](#) / [NTDO-17SDDT634](#)