



Product Change Notification / ALAN-21DIWQ740

Date:

28-Sep-2021

Product Category:

8-bit Microcontrollers, Capacitive Touch Sensors

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4852 Final Notice: Qualification of MMT as an additional assembly site for selected Atmel products AT42QTxx, AT89LPxx and ATMEGAXx device families available in 44L VQFN (7x7x1mm) package.

Affected CPNs:

[ALAN-21DIWQ740_Affected_CPN_09282021.pdf](#)

[ALAN-21DIWQ740_Affected_CPN_09282021.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 MMT as an additional assembly site for selected Atmel products AT42QTxx, AT89LPxx and ATMEGAXx device families available in 44L VQFN (7x7x1mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change
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Assembly Location		ASE Group Chung-Li (ASCL)		Lingsen Precision Industries, LTD. (LPI)		ASE Group Chung-Li (ASCL)		Lingsen Precision Industries, LTD. (LPI)		Microchip Technology Thailand (MMT)
MSL		MSL-1	MSL-3	MSL-1	MSL-3	MSL-1	MSL-3	MSL-1	MSL-3	MSL-1
Bond Wire		Au	AuPd	Au	CuPdAu	Au	AuPd	Au	CuPdAu	Au
Material		CuPdAu	Cu			CuPdAu	Cu			
		PdCu				PdCu				
Die Attach material		EN-4900G		EN-4900G	CRM-1076 WA	EN-4900G		EN-4900G	CRM-1076 WA	3280
Mold compound material		G700LA	CEL-92 40	G770H		G700LA	CEL-92 40	G770H		G700LTD
Lead Frame	Material	C194		C194		C194		C194		C194
	DAP surface prep	Ag-Ring Plated		Ag-Ring Plated		Ag-Ring Plated		Ag-Ring Plated		Bare Cu
	Paddle size	213x213 mils		209x209 mils	213x213 mils	213x213 mils		209x209 mils	213x213 mils	213x213 mils
	Lead-lock	Yes		No		Yes		No		Yes
See pre and post change comparison										

Impacts to Data Sheet: None

Change Impact:None

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

Change Implementation Status:In Progress

Estimated First Ship Date:October 20, 2021 (date code: 2143)

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

Time Table Summary:

	September 2021					October 2021				
Workweek	36	37	38	39	40	41	42	43	44	45
Qual Report Availability					X					
Final PCN Issue Date					X					

Sample Availability								X		
Earliest date Microchip may implement upon approval*								X		

*Upon customer approval

Method to Identify Change: Traceability code

Qualification Report: Please open the attachments included with this PCN labeled as PCN_#_Qual Report.

Revision History: September 28, 2021: 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-21DIWQ740_Pre and Post Change_Summary.pdf](#)

[PCN_ALAN-21DIWQ740_Qual Report 1 of 2.pdf](#)

[PCN_ALAN-21DIWQ740_Qual Report 2 of 2.pdf](#)

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

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Affected Catalog Part Numbers (CPN)

ATMEGA1284P-MU
ATMEGA1284-MU
ATMEGA1284P-MUR
ATMEGA1284-MUR
ATMEGA324PA-MU
ATMEGA324A-MU
ATMEGA324PA-MN
ATMEGA324PA-MNR
AT42QT5480-MUR
AT42QT18C15-MUR
ATMEGA324PA-MUR
ATMEGA324A-MUR
ATMEGA324PA-MURA2
ATMEGA16L-8MU
ATMEGA16-16MU
ATMEGA16A-MU
ATMEGA16A-MUR
ATMEGA16L-8MUR
ATMEGA16-16MUR
ATMEGA32-16MU
ATMEGA32A-MN
ATMEGA32A-MNR
ATMEGA32-16MUR
ATMEGA164A-MU
ATMEGA164PA-MU
ATMEGA164PA-MN
ATMEGA164PA-MNR
ATMEGA164A-MUR
ATMEGA164PA-MUR
ATMEGA644PA-MU
ATMEGA644A-MU
ATMEGA644PA-MN
ATMEGA644PA-MNR
ATMEGA644PA-MUR
ATMEGA644A-MUR
ATMEGA16L-8MUA6
ATMEGA16-16MQ
ATMEGA8515L-8MU
ATMEGA8515-16MU
ATMEGA8515L-8MUR
ATMEGA8515-16MUR
ATMEGA8535L-8MU
ATMEGA8535-16MU
ATMEGA8535L-8MUR
ATMEGA8535-16MUR
ATMEGA162-16MU

ATMEGA162V-8MU
ATMEGA162-16MUR
ATMEGA162V-8MUR
ATMEGA644-20MU
ATMEGA644V-10MU
ATMEGA644-20MUR
ATMEGA644V-10MUR
ATMEGA164PV-10MU
ATMEGA164P-20MU
ATMEGA164P-20MQ
ATMEGA164PV-10MUR
ATMEGA164P-20MUR
ATMEGA324PV-10MUA1
ATMEGA324P-20MU
ATMEGA324PV-10MU
ATMEGA324P-20MQ
ATMEGA324P-20MQR
ATMEGA324PV-10MUR
ATMEGA324P-20MUR
ATMEGA644PV-10MU
ATMEGA644PV-10MQ
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ATMEGA644P-20MQR
ATMEGA644PV-10MQR
ATMEGA644PV-10MUR
ATMEGA164PV-10MUA0
AT89LP52-20MU
AT89LP51-20MU
AT89LP51ED2-20MU
AT89LP51ID2-20MU
AT89LP51RD2-20MU
AT89LP51RB2-20MU
AT89LP51RC2-20MU
AT89LP51IC2-20MU
AT89LP6440-20MU
AT89LP3240-20MU
ATMEGA32A-MU
ATMEGA32L-8MU
ATMEGA16L-8MURA5
ATMEGA32A-MUR
ATMEGA32L-8MUA3
ATMEGA32L-8MUR
ATMEGA32L-8MURA2
ATMEGA644P-20MU
ATMEGA644P-20MUR