



Product Change Notification / CAAN-04EYJQ647

Date:

10-Jun-2024

Product Category:

8-Bit Microcontrollers, Capacitive Touch Sensors

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6697 Initial Notice: Qualification of OSE as a new final test site for various products available in 32L TQFP (7x7x1mm), 44L TQFP (10x10x1mm), 64L TQFP (14x14x1mm) and 100L TQFP (14x14x1mm) packages.

Affected CPNs:

[CAAN-04EYJQ647_Affected_CPN_06102024.pdf](#)

[CAAN-04EYJQ647_Affected_CPN_06102024.csv](#)

Notification Text:

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 OSE as a new final test site for various products available in 32L TQFP (7x7x1mm), 44L TQFP (10x10x1mm), 64L TQFP (14x14x1mm) and 100L TQFP (14x14x1mm) packages.

Pre and Post Change Summary:For 32L TQFP (7x7x1mm) package:

			Pre Change	Post Change
Final Test Site			Lingsen Precision Industries, LTD. (LPI)	Orient Semiconductor Electronics, Ltd (OSE)
Tape and Reel	BQM		2000	2000
	Pin 1 orientation		Quadrant 1	Quadrant 1
	Carrier Tape		With minor dimensional change. See Pre and Post Change for comparison.	
	Cover Tape		With minor dimensional change. See Pre and Post Change for comparison.	
	Reel	Dimension	With minor dimensional change. See Pre and Post Change for comparison.	
		Color	White	Blue
Tray	BQM		250	250
	Pin 1 orientation		See Pre and Post Change for comparison.	
T/R and Tray Packing Method			See Pre and Post Change for comparison.	

For 44L TQFP (10x10x1mm) package:

			Pre Change	Post Change
Final Test Site			Lingsen Precision Industries, LTD. (LPI)	Orient Semiconductor Electronics, Ltd (OSE)
Tape and Reel	BQM		2000	2000
	Pin 1 orientation		Quadrant 1	Quadrant 1
	Carrier Tape		With minor dimensional change. See Pre and Post Change for comparison.	
	Cover Tape		With minor dimensional change. See Pre and Post Change for comparison.	
	Reel	Dimension	No dimensional change. See Pre and Post Change for comparison.	
		Color	White	Blue
Tray	BQM		160	160
	Pin 1 orientation		See Pre and Post Change for comparison.	
T/R and Tray Packing Method			See Pre and Post Change for comparison.	

For 64L TQFP (14x14x1mm) package:

	Pre Change	Post Change
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Final Test Site		Lingsen Precision Industries, LTD. (LPI)	Orient Semiconductor Electronics, Ltd (OSE)
Tape and Reel	BQM	1000	1000
	Pin 1 orientation	Quadrant 1	Quadrant 1
	Carrier Tape	With dimensional change. See Pre and Post Change for comparison.	
	Cover Tape	With dimensional change. See Pre and Post Change for comparison.	
	Reel	Dimension	With minor dimensional change. See Pre and Post Change for comparison.
		Color	White Blue
Tray	BQM	90	90
	Pin 1 orientation	See Pre and Post Change for comparison.	
T/R and Tray Packing Method		See Pre and Post Change for comparison.	

For 100L TQFP (14x14x1mm) package:

		Pre Change	Post Change
Final Test Site		Lingsen Precision Industries, LTD. (LPI)	Orient Semiconductor Electronics, Ltd (OSE)
Tape and Reel	BQM	1500	1500
	Pin 1 orientation	Quadrant 1	Quadrant 1
	Carrier Tape	With minor dimensional change. See Pre and Post Change for comparison.	
	Cover Tape	With minor dimensional change. See Pre and Post Change for comparison.	
	Reel	Dimension	With minor dimensional change. See Pre and Post Change for comparison.
		Color	White Blue
Tray	BQM	90	90
	Pin 1 orientation	See Pre and Post Change for comparison.	
T/R and Tray Packing Method		See Pre and Post Change for comparison.	

Impacts to Data Sheet:None

Change ImpactNone

Reason for Change:To improve on-time delivery performance by qualifying OSE as a new final test site.

Change Implementation Status:In Progress

Estimated Qualification Completion Date:July 2024

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:

	June 2024					July 2024				
Workweek	22	23	24	25	26	27	28	29	30	31
Initial PCN Issue Date			x							
Qual Report Availability										x
Final PCN Issue 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:June 10, 2024: 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.

Attachments:

- PCN_CAAN-04EYJQ647_Qualification Plan.pdf
- PCN_CAAN-04EYJQ647_Pre and Post Change Summary.pdf

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.

Affected Catalog Part Numbers (CPN)

ATMEGA324PV-10AU
ATMEGA324P-20AU
ATMEGA324P-20AQ
AT89S52-24AU
AT89LS52-16AU
AT89S52-24AUA1
ATMEGA324P-20AQR
ATMEGA324PV-10AUR
AT89LP52-20AU
AT89S52-24AU-HCM
AT89S52-24AUR
AT89LS52-16AUR
ATMEGA8515-16AU
ATMEGA8515L-8AU
ATMEGA324P-20AUR
ATMEGA324P-20AURA0
AT89LP51-20AU
ATMEGA8515-16AUR
ATMEGA8515L-8AUR
ATMEGA32L-8AURA4
ATMEGA164P-20AQRA1
ATMEGA324PA-AU
ATMEGA324A-AU
ATMEGA324PA-AN
AT89S8253-24AU
AT89C51RC-24AU
ATMEGA324PA-ANR
AT89C55WD-24AU
AT89C55WD-24AUR
ATMEGA324PA-AUR
ATMEGA324A-AUR
ATMEGA324A-AURA3
ATMEGA128L-8AU
ATMEGA128A-AU
ATMEGA128-16AU
ATMEGA165PV-8AN
ATMEGA165PV-8ANR
ATMEGA128A-AUR
ATMEGA128L-8AUR
ATMEGA128L-8AURA6
ATMEGA128-16AURA0
ATMEGA128-16AUR
ATMEGA165P-16AN
ATMEGA165P-16ANR
ATMEGA6490V-8AU
ATMEGA3250V-8AU

ATMEGA3250PV-10AU
ATMEGA6490-16AUR
ATMEGA6490V-8AUR
ATMEGA6450V-8AUR
ATMEGA3250PV-10AUR
ATMEGA3290V-8AU
ATMEGA3290PV-10AUA0
ATMEGA6450V-8AU
ATMEGA3290P-20AUR
ATMEGA3250P-20AUR
ATMEGA6450-16AU
ATMEGA6490-16AU
ATMEGA3290-16AUR
ATMEGA3290V-8AUR
ATMEGA3290PV-10AU
ATMEGA3290PV-10AUR
ATMEGA3250-16AU
ATMEGA3290-16AU
ATMEGA3250V-8AUR
ATMEGA3250-16AUR
ATMEGA3290P-20AU
ATMEGA3250P-20AU
ATMEGA6450-16AUR
ATMEGA168P-20AU
ATMEGA168PV-10AU
ATMEGA168P-20AUR
ATMEGA168PV-10AUR
ATTINY88-AU
AT42QT1244-AU
AT42QT1245-AU
ATTINY88-AUR
AT42QT1110-AUR
AT42QT1244-AUR
AT42QT1245-AUR
QT60168-ASG
QT60168C-ASG
ATTINY828-AU
ATTINY828R-AU
ATTINY828-AUR
ATTINY828R-AUR
ATMEGA48PA-AN
ATMEGA48PA-ANR
ATMEGA48PA-AURB0