



Product Change Notification / KSRA-13AKNI696

Date:

29-Jan-2021

Product Category:

8-bit Microcontrollers, Capacitive Touch Sensors, Touch Controllers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4440 Final Notice: Qualification of MMT as an additional assembly site for selected MTCH112, MTCH810 and PIC12xxxx device families available in 8L DFN (3x3x0.9mm) package.

Affected CPNs:

[KSRA-13AKNI696_Affected_CPN_01292021.pdf](#)
[KSRA-13AKNI696_Affected_CPN_01292021.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 MTCH112, MTCH810 and PIC12xxxx device families available in 8L DFN (3x3x0.9mm) package.

Pre Change: Assembled at NSEB using gold (Au) or palladium coated copper wire with gold flash (CuPdAu) bond wire, 8600 die attach material, EFTEC-64T lead frame or C194 lead frame material, Ag DAP surface prep or Bare Cu DAP surface prep and without lead lock lead frame.

Post Change:Assembled at NSEB using gold (Au) or palladium coated copper wire with gold flash (CuPdAu) bond wire, 8600 die attach material, EFTEC-64T lead frame or C194 lead frame material, Ag DAP surface prep or Bare Cu DAP surface prep and without lead lock lead frameorAssembled at MMT using palladium coated copper wire with gold flash (CuPdAu)

bond wire, 3280 die attach material, C194 lead frame material and Bare Cu DAP surface prep and with lead lock lead frame.

Pre and Post Change Summary:

	Pre Change		Post Change		
Assembly Site	UTAC Thai Limited LTD. (NSEB)		UTAC Thai Limited LTD. (NSEB)		Microchip Technology Thailand (Branch) / MMT
Wire material	Au	CuPdAu	Au	CuPdAu	CuPdAu
Die attach material	8600		8600		3280
Molding compound material	G700LTD		G700LTD		G700LTD
Lead frame material	EFTEC-64T	C194	EFTEC-64T	C194	C194
Lead Frame DAP Surface Prep	Ag	Bare Cu	Ag	Bare Cu	Bare Cu
Lead frame lead-lock	No		No		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 MMT as an additional assembly site.

Change Implementation Status:

In Progress

Estimated First Ship Date: February 10, 2021 (date code: 2107)

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

Due to unforeseen circumstances, that are out of Microchip's control, full qualification will be made available as soon as it is approved which may be after the estimated first ship date so that Microchip can maintain continuity of supply and not disrupt customer orders.

Time Table Summary:

	November 2020					→	January 2021					February 2021			
Workweek	45	46	47	48	49		01	02	03	04	05	06	07	08	09
Initial PCN Issue Date			X												
Final PCN Issue Date											X				

Qual Report Availability																		X	
Estimated First Ship Date																		X	

Method to Identify Change:

Traceability code

Estimated Qualification Completion Date:

February 2021

Note: This final PCN will be updated to include the Qualification report as soon as it is completed.

Revision History:

November 20, 2020: Issued initial notification.

January 29, 2021: Issued final notification. Provided estimated first ship date to be February 10, 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-13AKNI696_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.

CCB 4440
Pre and Post Change Summary
Lead Frame Comparison
PCN#: KSRA-13AKNI696



A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



SMART | CONNECTED | SECURE

Lead frame comparison

8L DFN (3x3x0.9mm)

Pre change	Post Change
NSEB	MMT
<div><div><div>NSEB : FR0230</div><div>NSEB : FR1347</div><div><div><div>1</div><div>2</div><div>3</div><div>4</div></div><div><div>8</div><div>7</div><div>6</div><div>5</div></div></div><div><div><div>1</div><div>2</div><div>3</div><div>4</div></div><div><div>8</div><div>7</div><div>6</div><div>5</div></div></div></div></div> <div><div>Lead frame lead-lock</div><div>No</div></div>	<div><div><div>MMT : 10100851</div><div><div><div>1</div><div>2</div><div>3</div><div>4</div></div><div><div>8</div><div>7</div><div>6</div><div>5</div></div></div><div><div><div>1</div><div>2</div><div>3</div><div>4</div></div><div><div>8</div><div>7</div><div>6</div><div>5</div></div></div></div></div> <div><div>Lead frame lead-lock</div><div>Yes</div></div>

KSRA-13AKNI696 - CCB 4440 Final MTCH810 and PIC12xxxx device families available in 8L DFN (3x3x0.5

Affected Catalog Part Numbers(CPN)

PIC12F1822-E/MF
PIC12F1822-I/MF043
PIC12F1822-I/MF
PIC12F1822T-I/MF
PIC12F1822T-E/MF
PIC12LF1822-E/MF
PIC12LF1822-I/MF
PIC12LF1822T-I/MF
PIC12F1840-E/MF
MTCH810-I/MF
PIC12F1840-I/MF
PIC12F1840-H/MF
MTCH810T-I/MF
PIC12F1840T-I/MF
PIC12F1840T-E/MF
PIC12LF1840-E/MF
MTCH112-I/MF
PIC12LF1840-I/MF
MTCH112T-I/MF
PIC12LF1840T-I/MF
PIC12F1501-E/MF
PIC12F1501-I/MF
PIC12F1501T-E/MF
PIC12LF1501-E/MF
PIC12LF1501-I/MF
PIC12F1612-I/MF
PIC12LF1612-E/MF
PIC12F1571-E/MF
PIC12F1572-E/MF
PIC12F1571-I/MF059
PIC12F1571-I/MF
PIC12F1572-I/MF
PIC12F1571T-I/MF059
PIC12F1571T-I/MF
PIC12F1572T-I/MF
PIC12F1571T-E/MF
PIC12F1572T-E/MF
PIC12LF1571-E/MF
PIC12LF1572-E/MF
PIC12LF1571-I/MF
PIC12LF1572-I/MF
PIC12LF1572T-I/MF

PIC12LF1572T-I/MF5IS