



## Product Change Notification / CENO-23TFNX802

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### Date:

04-Jul-2024

### Product Category:

32-Bit Microcontrollers, Computing Embedded Controllers

### PCN Type:

Manufacturing Change

### Notification Subject:

CCB 7078, 7078.001, 7078.002 Initial Notice: Qualification of ATB-F125E as a new Die attach material of Die #2 for EEC1005-I/WC-UB1, EEC1005-I/WC-UB2, EEC1005-I/WC-UB2-TR, EEC1005-I/SX1-UB1, MEC1527H-B0-I/TF, PIC32CX0525SG12144T-I/WC-DS1 and PIC32CX0525SG12084T-I/SX1-DS1 catalog part numbers (CPN) available in various packages at ANAC assembly site.

### Affected CPNs:

[CENO-23TFNX802\\_Affected\\_CPN\\_07042024.pdf](#)  
[CENO-23TFNX802\\_Affected\\_CPN\\_07042024.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 ATB-F125E as a new Die attach material of Die #2 for EEC1005-I/WC-UB1, EEC1005-I/WC-UB2, EEC1005-I/WC-UB2-TR, EEC1005-I/SX1-UB1, MEC1527H-B0-I/TF, PIC32CX0525SG12144T-I/WC-DS1 and PIC32CX0525SG12084T-I/SX1-DS1 catalog part numbers (CPN) available in various packages at ANAC assembly site.

### Pre and Post Change Summary:

|                           |               | Pre Change  | Post Change   |
|---------------------------|---------------|---|---|
| Assembly Site             |               | Amkor Assembly & Test (Shanghai) Co., LTD<br>(ANAC) | Amkor Assembly & Test (Shanghai) Co., LTD<br>(ANAC) |
| Substrate                 | Core Material | HL832NXA  | HL832NXA  |
|                           | SM Material   | AUS320  | AUS320  |
| Wire Material             |               | CuPdAu  | CuPdAu  |
| Die Attach #1 Material    |               | HR9004-20   | HR9004-20   |
| Die Attach #2 Material    |               | HR9004-20   | ATB-F125E   |
| Molding Compound Material |               | G750E   | G750E   |
| Solder Ball Material      |               | SAC105  | SAC105  |

## Impacts to Data Sheet:None

## Change ImpactNone

**Reason for Change:** To improve manufacturability by qualifying ATB-F125E as a new Die attach material of Die #2.

## Change Implementation Status: In Progress

**Estimated Qualification Completion Date:** November 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:

|                          |  |  |  |  |  |  |   |  |
|--------------------------|--|--|--|--|--|--|---|--|
| Date                     |  |  |  |  |  |  |   |  |
| 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:**July 4, 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:

[CENO-23TFNX802\\_Qual Plan.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.