

### **Product Change Notification / ALAN-23THZA121**

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26-Feb-2024

# **Product Category:**

Ionization Smoke Detector Front Ends, Photoelectric/Ionization Smoke Detector

# **PCN Type:**

Manufacturing Change

# **Notification Subject:**

CCB 6426 Final Notice: Qualification of palladium coated copper with gold flash (CuPdAu) bond wire as new wire material for selected RE46C20xx and RE46C31xx device families available in 14L and 8L SOIC (3.90mm) package.

### **Affected CPNs:**

ALAN-23THZA121\_Affected\_CPN\_02262024.pdf ALAN-23THZA121\_Affected\_CPN\_02262024.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 palladium coated copper with gold flash (CuPdAu) bond wire as new wire material for selected RE46C20xx and RE46C31xx device families available in 14L and 8L SOIC (3.90mm) package.

### **Pre and Post Change Summary:**

Pre Change Post Change
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Assembly Site	Microchip Techr (Branch)		Microchip Technology Thailand (Branch) / (MMT)				
Wire Material	Αι	ı	CuPdAu				
Die Attach Material	839	0A	8390A				
Molding Compound Material	G60	0V	G600V				
Lead-Frame Material	CDA	194	CDA194				
Lead-Frame Paddle Size	90x110 mils/ 104x150 mils	90x90 mils	104x150 mils	90x90 mils			
DAP Surface Prep	Ag S Bare		Bare Cu				

Note: \* C194, A194 or CDA194 Lead frame material are the same, it is just a MCHP internal labelling difference.

### Impacts to Data Sheet:None

Change Impact:None

**Reason for Change:**To improve manufacturability by qualifying palladium coated copper with gold flash (CuPdAu) bond wire.

# **Change Implementation Status:**In Progress

Estimated First Ship Date:March 28, 2024 (date code: 2413)

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

#### **Time Table Summary:**

	July 2023					>	February 2024 March 2024					024					
Workweek	2 6	2 7	2 8	2 9	3 0	3 1		0 5	0 6	0 7	0 8	0 9	1 0	1 1	1 2	1 3	1 4
Initial PCN Issue Date					Х												
Qual Report Availability												Х					
Final PCN Issue Date												Х					
Estimated Implementation Date																Х	

#### Method to Identify Change:Traceability code

**Qualification Report:**Please open the attachments included with this PCN labeled as PCN\_#\_Qual\_Report.

**Revision History:** July 27, 2023: Issued initial notification.

February 26, 2024: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on March 28, 2024.

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-23THZA121 Qual Report.pdf PCN\_ALAN-23THZA121\_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 <u>receive Microchip PCNs via email</u> please register for our PCN email service at our <u>PCN</u> home page select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the <u>PCN FAQ</u> section.

If you wish to <u>change your PCN profile</u>, <u>including opt out</u>, please go to the <u>PCN home page</u> select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

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#### Affected Catalog Part Numbers (CPN)

RE46C200S14F

RE46C200S14TF

RE46C201S14

RE46C201S14T

RE46C202S14

RE46C202S14T

RE46C312S8F

RE46C312S8TF

RE46C311S8F

RE46C311S8TF

Date: Sunday, February 25, 2024