

Product Change Notification - KSRA-04OPOO860

Date:

11 Jan 2019

Product Category:

16-Bit - Microcontrollers and Digital Signal Controllers

Affected CPNs:

Notification subject:

CCB 2938 Final Notice: Qualification of palladium coated copper with gold flash (CuPdAu) bond wire for selected products of the 0.18um TSMC wafer technology available in 28L QFN-S package at NSEB assembly site.

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 palladium coated copper with gold flash (CuPdAu) bond wire for selected products of the 0.18um TSMC wafer technology available in 28L QFN-S package at NSEB assembly site.

Pre Change:

Using gold (Au) bond wire, 8200T or 8600 die attach and G770HCD or G700LTD mold compound material.

Post Change:

Using palladium coated copper with gold flash (CuPdAu) bond wire, 8600 die attach and G700LTD mold compound material.

Pre and Post Change Summary:

	Pre Change		Post Change
Assembly Site	UTAC Thai Limited		UTAC Thai Limited
	(UTL-1) LTD. (NSEB)		(UTL-1) LTD. (NSEB)
Wire material	Au Wire		CuPdAu Wire
Die attach material	8200T	8600	8600
Molding compound material	G770HCD	G700LTD	G700LTD
Lead frame material	C194		C194

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve manufacturability by qualifying CuPdAu bond wire at NSEB assembly site.

Change Implementation Status:

In Progress



Estimated First Ship Date:

February 11, 2019 (date code: 1906)

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

Time Table Summary:

Workweek	May 2017					-->	January 2019					February 2019			
	18	19	20	21	22		01	02	03	04	05	06	07	08	09
Initial PCN Issue Date		X													
Qual Report Availability								X							
Final PCN Issue Date								X							
Estimated Implementation Date												X			

Method to Identify Change:

Traceability code

Qualification Report:

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

Revision History:

May 09, 2017: Issued initial notification.

January 11, 2019: Issued final notification. Attached the qualification report. Provided estimated first ship date to be on February 11, 2019.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Attachment(s):

[PCN_KSRA-04OPOO860_Qual_Report.pdf](#)

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Affected Catalog Part Numbers (CPN)

DSPIC33EP128GP502-I/MM
DSPIC33EP128GP502T-I/MM
DSPIC33EP128GS702-E/MM
DSPIC33EP128GS702-I/MM
DSPIC33EP128GS702T-E/MM
DSPIC33EP128GS702T-I/MM
DSPIC33EP128MC202-E/MM
DSPIC33EP128MC202-I/MM
DSPIC33EP128MC202T-E/MM
DSPIC33EP128MC202T-I/MM
DSPIC33EP128MC502-I/MM
DSPIC33EP128MC502T-E/MM
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HA7619T-I/MM028
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PIC24FJ128GB202T-I/MM
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