



Product Change Notification / JAON-27OWHZ565

Date:

13-Feb-2021

Product Category:

Bluetooth Silicon

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4533 Initial Notice: Qualification of MMT as a new assembly site for selected IS1677SM device family available in 40L VQFN (6x6x0.9mm) package using die #2 fabricated at Elite Semiconductor Microelectronics Technology (ESMT12) fab site.

Affected CPNs:

[JAON-27OWHZ565_Affected_CPN_02132021.pdf](#)

[JAON-27OWHZ565_Affected_CPN_02132021.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 MMT as a new assembly site for selected IS1677SM device family available in 40L VQFN (6x6x0.9mm) package using die #2 fabricated at Elite Semiconductor Microelectronics Technology (ESMT12) fab site.

Pre Change:

Assembled at ASCL using gold (Au) and palladium coated copper (PdCu) bond wire, EN-4900 and ATB-125 die attach, CEL-9240 mold compound material, using lead frame without lead lock and with die #2 fabricated at Elite Semiconductor Microelectronics Technology (ESMT8) using 8 inches wafer.

Post Change:

Assembled at MMT using gold (Au) bond wire, 8008MD and 8006NS die attach, G700LTD mold compound material, using lead frame with lead lock and with die #2 fabricated at Elite Semiconductor Microelectronics Technology (ESMT12) using 12 inches wafer.

Pre and Post Change Summary:

		Pre Change	Post Change
Assembly Site		ASE Group Chung-Li (ASCL)	Microchip Technology Thailand - Branch (MMT)
Bond Wire material		Au / PdCu	Au
Die attach material		EN-4900 / ATB-125	8008MD / 8006NS
Molding compound material		CEL-9240	G700LTD
Lead frame material		A194	A194
Lead frame lead-lock		No	Yes
Lead frame design		See attached pre and post change comparison	
Fabrication Location	Die # 1	Taiwan Semiconductor Manufacturing - Fab 3 (8") – (TC038)	Taiwan Semiconductor Manufacturing - Fab 3 (8") - (TC038)
	Die # 2	Elite Semiconductor Microelectronics Technology (ESMT8)	Elite Semiconductor Microelectronics Technology (ESMT12)
Wafer size	Die # 1	8 inches	8 inches
	Die # 2	8 inches	12 inches

Impacts to Data Sheet: None

Change Impact:None

Reason for Change:To improve productivity by qualifying MMT as a new assembly site.

Change Implementation Status:In Progress

Estimated Qualification Completion Date:April 2021

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:

	February 2021					-->	April 2021				
Workweek	06	07	08	09	10		14	15	16	17	18

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: February 13, 2021: 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_JAON-27OWHZ565_Qual_Plan.pdf](#)

[PCN_JAON-27OWHZ565_Pre and Post Change_Summary.pdf](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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