



Product Change Notification / RMES-13GXSA956

Date:

15-Dec-2020

Product Category:

Bluetooth Silicon

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4441 Final Notice: Qualification of Elite Semiconductor Microelectronics Technology (ESMT12) as a new fabrication site for Die #2 of a multi-die IS1678xx device family available in 40L VQFN (6x6x0.9mm) package.

Affected CPNs:

[RMES-13GXSA956_Affected_CPN_12152020.pdf](#)

[RMES-13GXSA956_Affected_CPN_12152020.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 Elite Semiconductor Microelectronics Technology (ESMT12) as a new fabrication site for Die #2 of a multi-die IS1678xx device family available in 40L VQFN (6x6x0.9mm) package.

Due to unforeseen circumstances, that are out of Microchip's control, full qualification will be made available at a date after shipment as Microchip plans to continue fulfill orders by shipping from the new fabrication site as soon as possible as to not disrupt customer orders.

Pre Change:

Die #2 fabricated at Elite Semiconductor Microelectronics Technology (ESMT8) using 8 inches wafer

Post Change:

Die #2 fabricated at Elite Semiconductor Microelectronics Technology (ESMT12) using 12 inches wafer

Pre and Post Change Summary:

		Pre Change	Post Change
Fabrication Location	Die # 1	Semiconductor Manufacturing International Corporation (SMIC)	Semiconductor Manufacturing International Corporation (SMIC)
	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 manufacturability and on-time delivery performance by qualifying ESMT12 as a new fabrication site

Due to unforeseen business conditions, ESMT12 has been qualified as a new fabrication site immediately.

Change Implementation Status: In Progress

Estimated First Ship Date:

December 30, 2020 (date code: 2052)

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

Time Table Summary:

	December 2020				January 2021				
Workweek	49	50	51	52	01	02	03	04	05
Final PCN Issue Date			X						
Qual report availability							X		
Estimated Implementation Date				X					

Method to Identify Change: Traceability code

Estimated Qualification Completion Date:

January 2021

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

Revision History:**December 15, 2020:** Issued final notification. Provided estimated first ship date to be on December 30, 2020.

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

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

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