



Product Change Notification / RMES-13GXSA956

Date:

08-Mar-2021

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_03082021.pdf](#)

[RMES-13GXSA956_Affected_CPN_03082021.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 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.

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**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**Qualification Report:**Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.**Revision History:December 15, 2020:** Issued final notification. Provided estimated first ship date to be on December 30, 2020.**March 08, 2021:** Re-issued final notification to attach the qualification report.

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

Attachments:

[PCN_RMES-13GXSA956_Qual_Report.pdf](#)

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

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