



Product Change Notification / KSRA-12WGXE961

Date:

23-Jun-2021

Product Category:

RF/Microwave Silicon and GaAs Diode Products

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4598 Initial Notice: Qualification of Global Communication Semiconductors, Inc. (GS01) as a new fabrication site for selected Microsemi GaAs varactor diode products.

Affected CPNs:

[KSRA-12WGXE961_Affected_CPN_06232021.pdf](#)

[KSRA-12WGXE961_Affected_CPN_06232021.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 Global Communication Semiconductors, Inc. (GS01) as a new fabrication site for selected Microsemi GaAs varactor diode products.

Pre and Post Change Summary:

	Pre Change	Post Change
Fabrication Site	Microchip Technology, Inc. –	Global Communication

	Lowell (MLWL)	Semiconductors, Inc. (GS01)
Wafer diameter	3 inches	4 inches
Die size	No change	No change
Quality certification	ISO9001	AS9100, ISO9001:2015

Impacts to Data Sheet: None

Change Impact:None

Reason for Change:To improve manufacturability and on-time delivery performance by qualifying GS01 as a new fabrication site.

Change Implementation Status:In Progress

Estimated Qualification Completion Date:Please be advised the qualification completion times may be extended because of unforeseen business conditions. Change 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.

After the estimated first ship date guidance in the Final PCN, customers may receive preand post change parts for an unspecified timeframe based on product inventory levels.

Time Table Summary:

	May 2021					-->	Q3 2021 Onwards
Workweek	1 9	2 0	2 1	2 2	2 3		(See qual. sched. summary below)
Initial PCN Issue Date					X		
Qual Report Availability							X**
Final PCN Issue Date							X**

Qualification Schedule Summary:

Product Type/Process	**Estimated Final PCN Issue Date/Qual Report Availability
Process Tech_1	8/2021
Process Tech_2	9/2021
Process Tech_3	9/2021
Process	12/2021

Tech_2a	
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See **Affected_CPN list per Process Technology** attachments to determine which parts belong to Process Technology groups 1 through 3.

Method to Identify Change: Traceability code

Qualification Plan: Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan. Process Tech_1 will follow an AEC compliant qualification plan and Process Tech_2 through 3 will follow a MIL-PRF-19500 plan (see note below).

Note: Process technology qualifications are performed to the MIL-PRF-19500 Standard (TX Level) utilizing ScreeningFlow plus Groups A, B, C and E, which is the original standard used to qualify these devices. Appropriate group and subgroup tests are determined by product, package and die characteristics, therefore not all tests may apply. For example, packaging tests would not be conducted for bare die devices, PIND tests are only for packages with a cavity, leak tests are only for hermetic packages, SOA tests are for transistor technology only, etc.

Revision History: **May 24, 2021:** Issued initial notification. **June 23, 2021:** Re-issued the initial notification to update the filename of one of the Affected CPN list from PCN_KSRA-12WGXE961_Affected CPN List to PCN_KSRA-12WGXE961_Affected CPN per Process Technology.

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

Attachments:

[PCN_KSRA-12WGXE961_Affected CPN per Process Technology.pdf](#)
[PCN_KSRA-12WGXE961_Affected CPN per Process Technology.xlsx](#)
[PCN_KSRA-12WGXE961_Qual_Plan.pdf](#)

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to receive Microchip PCNs via email please register for our PCN email service at our **PCN home page** select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the **PCN FAQ** section.

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