

Wolfspeed® Product/Process Change Notification

PCN Number: PCN-00106

PCN Issue Date: February 20, 2024

PCN Type: Major

PCN Title

Manufacturing of Discrete MOSFETs (C3M) on 200-mm Wafers at the Mohawk Valley Fabrication (MVF) Facility

Description of the Change

Wolfspeed's discrete silicon carbide (SiC) MOSFETs are currently manufactured on 150-mm wafers at Wolfspeed's fabrication facilities in RTP and Durham, North Carolina, USA. To increase its production capacity, Wolfspeed will add its state-of-the art 200-mm wafer Mohawk Valley Fabrication (MVF) facility in New York and customers may receive material from either facility after acceptance of the PCN or after PCN expiration.

Benefit of the Change

The MVF facility will provide substantial capacity expansion and world-class automation to drive throughput and high quality to support its customers for various power applications.

Affected Products

Table 1 lists the products affected by this Major PCN.

Table 1. Affected Products List.

Wolfspeed Part Number
C3M0015065D
C3M0015065K

Qualification Status and Report

At the time of the PCN issuance, the affected products shown in Table 1 have been qualified by Wolfspeed to JEDEC standards. Wolfspeed will assume the approval from its customer if no feedback is received from the customer within 30 days from the date the qualification report is issued.

Anticipated Impact

Qualification and characterization activities have been performed to ensure the products based on 150-mm and 200-mm wafers in Table 1 are compliant to the same datasheet's specification limits and qualification standards.

Sample Status

Qualification samples can be made available by request via the Wolfspeed sample store for the part(s) affected by this change, preferably within 30 days from the issue date of this PCN to place any sample orders. Please visit: <https://www.wolfspeed.com/tools-and-support/sample-center/>.

Samples produced at the Mohawk Valley Fabrication facility will be labelled in the store with an appendix of “-M” and a description of “**MVF 200MM QUALIFIED MATERIAL**”. Please also contact your Wolfspeed sales representative to request qualification samples. During the PCN period, parts will be box-marked: QC3M0015065D-M, C3M0015065D-M, QC3M0015065K-M, or C3M0015065K-M.

Implementation Date

Table 2 provides the estimated dates for key PCN milestones based on the information available on the date this PCN is issued. Any updates to these dates can be provided by your Wolfspeed contact. Wolfspeed plans to expire this PCN 3 months after its issuance.

Table 2. Estimated Key PCN Dates.

Task	Date
Samples	2/20/2024
Projected First Ship Date	Upon PCN acceptance or 3 Months post PCN delivery

Customer Acknowledgement

Customer is requested to acknowledge this notification within 30 days from its issue date by signing this PCN, scanning it into a pdf file, and emailing the file and any feedback to Wolfspeed at PCN@wolfspeed.com. Note that Wolfspeed references the JEDEC J-STD-046 guidelines for its PCNs. In accordance with J-STD-046, this change is deemed acceptable to the customer if no acknowledgement is received within 30 days from the PCN issue date.

Name: _____ Title: _____

Phone: _____ Email: _____

Customer Comment: _____

Customer Signature: _____ Date: _____

Contact Information

If you have any questions regarding this Major PCN, please refer to the contact information listed in Table 3.

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Table 3. PCN Contact.

Wolfspeed Contact	Marc Doyle – Customer Program Manager
Wolfspeed Contact E-Mail	Marc.Doyle@wolfspeed.com
Wolfspeed Contact Phone	1.844.200.WOLF
Address	4600 Silicon Drive Durham, NC 27703 U.S.A.

Revision History

Date	Revision	Description
February 20, 2024	0	Initial release