

Wolfspeed® Product/Process Change Notification

PCN number: PCN-00158

PCN Issue Date: January 7, 2025

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 Numbers
C3M0045065K
C3M0045065D
C3M0045065J1
C3M0045065J1-TR
C3M0045065L-TR

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. Per request, Wolfspeed will deliver its qualification report associated with this PCN and any requested samples.

Anticipated Impact

Qualification and characterization activities have been performed to ensure the products 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 in Mohawk Valley Fab will be labelled in the Wolfspeed sample 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: QC3M0045065K-M, QC3M0045065D -M, QC3M0045065J1-M, QC3M0045065J1-M-TR, QC3M0045065L-M-TR or C3M0045065K-M, C3M0045065D-M, C3M0045065J1-M, C3M0045065J1-M-TR, C3M0045065L-M-TR.

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 issuance.

Table 2. Estimated Key PCN Dates.

Task	Date
Samples	Upon PCN Delivery
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 this change is deemed acceptable to the customer if no acknowledgement is received within 90 days from the PCN issue date.

Name: _____ Title: _____

Phone: _____ Email: _____

Customer Comment: _____

Customer Signature: _____ Date: _____

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	Document #: PCN-00158	Rev: 0
	Issue Date: January 7, 2025	Page: 2 of 3

Contact Information

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

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
January 7, 2025	0	Initial release