

Wolfspeed® Product/Process Change Notification

PCN Number:	PCN-00176	PCN Issue Date:	March 21, 2025
PCN Type:	Major		

PCN Title

Manufacturing of Discrete MOSFETs (E3M) 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 Durham, North Carolina, USA. This PCN is for the wafer manufacturing site change to 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 with the expectation to move all production to 200-mm. Minor datasheet updates are also being made to align with industry best practices. No key specifications are changing; please refer to datasheet revision numbers:

E3M0040120K Revision 3
E3M0040120J2-TR Revision 3

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
E3M0040120K
E3M0040120J2-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 AEC-Q101 standards. Upon request, a qualification report can be made available.

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Anticipated Impact

Qualification and characterization activities have been performed to ensure the products in Table 1 are compliant to the same datasheet specification limits and qualification standards. Upon request, a datasheet comparison report can be made available.

Sample Status

Qualified samples can be made available by request for the part(s) affected by this change, preferably within 90 days from the issue date of this PCN to place any sample orders. Please contact your Wolfspeed sales representative to request samples.

Samples produced in Mohawk Valley Fab will be labelled with an appendix of “-M”. During the PCN period parts will be box marked: QE3M0040120K-M, QE3M0040120J2-M-TR, E3M0040120K-M, or E3M0040120J2-M-TR.

Implementation Date

Samples are available upon date of PCN delivery; request required quantity through your local Wolfspeed representative. Initial MVF supply availability dates should be discussed with your local Wolfspeed representative.

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 and ZVEI guidelines for its PCNs. In accordance with J-STD-046 and ZVEI, this change is deemed acceptable to the customer if no acknowledgement is received within 90 days (Industrial), and 180 days (Automotive) 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 2.

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Table 2. PCN Contact.

Wolfspeed Contact	Marc Doyle – Customer Program Manager
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Wolfspeed Contact Phone	1.844.200.WOLF
Address	4600 Silicon Drive Durham, NC 27703 U.S.A.

Revision History

Date	Revision	Description
March 21, 2025	0	Initial release