# Wolfspeed® Product/Process Change Notification

| | | | |
|---|---|---|---|
| PCN Number: | PCN-00165 | PCN Issue Date: | February 24, 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:

E3M0075120K Revision 5
E3M0075120J2-TR Revision 3
E3M0075120D Revision 5

## 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 |
|---|
| E3M0075120K |
| E3M0075120J2-TR |
| E3M0075120D |

## 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: QE3M0075120K-M, QE3M0075120J2-M-TR QE3M0075120D-M, E3M0075120K-M, E3M0075120J2-M-TR or E3M0075120K-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 6 months after issuance.

***Table 2.*** *Estimated Key PCN Dates.*

| Task | Date |
|---|---|
| **Samples** | Upon PCN Delivery |
| **Projected First Ship Date** | Upon PCN acceptance or 6 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.

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<br>Durham, NC 27703<br>U.S.A. |

## Revision History

| Date | Revision | Description |
|---|---|---|
| February 24, 2025 | 0 | Initial release |

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