

Wolfspeed® Product/Process Change Notification

PCN Number: PCN-00128

PCN Issue Date: July 26, 2024

PCN Type: Major

PCN Title

Expansion of 200-mm Wafer Manufacturing for CPM3 1200 V 16 mΩ Bare Die SiC MOSFETs at Wolfspeed's Mohawk Valley Fabrication (MVF) Facility

Description of the Change

Wolfspeed's Gen 3 (C3M™) bare die silicon carbide (SiC) MOSFETs are currently manufactured on 150-mm wafers at Wolfspeed's fabrication facilities in North Carolina (NCF), 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. New MVF-specific part numbers are introduced for the first six months upon PCN delivery to facilitate a seamless transition and ensure efficient tracking of products during this period. After the initial phase, all part numbers will be standardized as multi-factory production part numbers.

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 Product List.

Affected (Current) Part Number	Equivalent MVF Part Number
CPM3-1200-0016A-FY6	CPM3-1200-0016A-GQ8

Qualification Status and Report

Per request, Wolfspeed will deliver its qualification report associated with this PCN and any requested samples. 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 no impact to the form, fit, function, or reliability of the products listed in Table 1 due to the equipment upgraded for 200-mm wafers. The affected products manufactured at the MVF facility will have the identical specifications to those manufactured today.

Sample Status

Qualification samples can be made available by request via the PCN contact (see Table 3) for the part(s) affected by this change, preferably within 30 days from the issue date of this PCN to place any sample orders.

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.

Table 2. Estimated Key PCN Dates.

Equivalent MVF Part Number	Completion Date for Qualification Report	First Ship Date
CPM3-1200-0016A-GQ8	July 2024	July 2024

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.

Table 3. PCN Contact.

Wolfspeed Contact	Anri Mikirtichev
Wolfspeed Contact E-Mail	anri.mikirtichev@wolfspeed.com
Wolfspeed Contact Phone	1.844.200.WOLF
Address	4600 Silicon Drive Durham, NC 27703 U.S.A.

Revision History

Date	Revision	Description
July 26, 2024	0	Initial release