

Wolfspeed® Product/Process Change Notification

PCN Number: PCN-00129

PCN Issue Date: July 23, 2024

PCN Type: Major

PCN Title

Manufacturing of Power Modules on 200-mm Wafers at the Mohawk Valley Fabrication (MVF) Facility

Description of the Change

Wolfspeed's silicon carbide (SiC) power modules are currently manufactured on 150-mm wafers at Wolfspeed's fabrication facilities in Durham, North Carolina, USA (NCF). To increase its production capacity, Wolfspeed will utilize its state-of-the art 200-mm wafer Mohawk Valley Fabrication (MVF) facility in New York, USA.

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 power modules affected by this Major PCN. Any new modules introduced after the publication of this PCN will include multi-fab manufacturing.

Table 1. Affected Products List.

Wolfspeed Part Number		
BM3 Family	HM3 Family	XM3 Family
CAS175M12BM3	CAS480M12HM3	CAB400M12XM3
HAS175M12BM3	CAB760M12HM3	CAB425M12XM3
WAS175M12BM3	CAB760M12HM3R	CAB320M17XM3
CAS350M12BM3	CAB500M17HM3	
HAS350M12BM3	CAB650M17HM3	
WAS350M12BM3	CAS380M17HM3	
CAB530M12BM3		
CAS530M12BM3		
HAS530M12BM3		
WAS530M12BM3		
CAS310M17BM3		
HAS310M17BM3		
WAS310M17BM3		

Qualification Report and Status

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

Anticipated Impact

There is no impact to form, fit, and/or function due to equipment upgraded for 200-mm MVF wafers. Qualification and characterization activities will be performed to ensure no impact to the products listed in Table 1. The affected part numbers are expected to retain the same datasheet specification limits.

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.

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.

Wolfspeed Part Number	(Projected) Completion Date for the Qualification Report	(Projected) Sample Date	(Projected) First Ship Date*
BM3 family	November 2024	September 2024	January 2025
HM3 family	November 2024	September 2024	January 2025
XM3 family	November 2024	September 2024	January 2025

* Specific product schedules should be discussed with Wolfspeed sales and marketing representatives.

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.

Product Family	BM3/HM3	XM3
Wolfspeed Contact	Tracy Tsai	Danish Khatri
Wolfspeed Contact E-Mail	tracy.tsai@wolfspeed.com	danish.khatri@wolfspeed.com
Wolfspeed Contact Phone	1.844.200.WOLF	1.844.200.WOLF
Address	4600 Silicon Drive Durham, NC 27703 U.S.A.	4600 Silicon Drive Durham, NC 27703 U.S.A.

Revision History

Date	Revision	Description
July 23, 2024	0	Initial release