

Wolfspeed® Product/Process Change Notification

PCN Number:	PCN-00129 Rev 1	PCN Issue Date:	October 17, 2024
PCN Type:	Major		

PCN Title

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

Description of the Change

Wolfspeed is shifting its die and device fabrication from Noth Carolina Fabrication (NCF) to Wolfspeed’s state-of-the-art 200-mm wafer Mohawk Valley Fabrication (MVF) facility in New York.

After the products are qualified in MVF and the acceptance of the PCN, customers will receive power modules with die(s) from either facility until NCF inventory is depleted.

Please note that this is PCN-00129 revision 1 (please see revision history table on pg. 4 for details).

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

The equipment, processes, and products at the MVF facility are being qualified through Wolfspeed's Process Change Review Board (PCRB) and standard product introduction process. The qualification plan will be developed with the intent that the device performance and reliability for power modules manufactured at both NCF and MVF sites, including all critical parameters, are well matched to stay within the product acceptance specifications. Data will be made available once qualification tests are completed. Customers are urged to provide any feedback to the qualification plan in writing within 30 days from this PCN issue date.

## Anticipated Impact

There is no expected change to form, fit, or function. Qualification and characterization activities are being performed with the goal of ensuring no impact to the form, fit, or function of the products listed in Table 1. The affected part numbers in Table 1 are expected to retain the same datasheets and performance attributes.

For the NCF products listed in Table 1, customers are encouraged to place a 'bridge buy' order for the supply of affected products that they need until the product is qualified in MVF, per the anticipated timing in Table 2. Any bridge buy order that a customer submits and that Wolfspeed accepts is non-cancellable and non-reschedulable (NCNR). Wolfspeed is offering the opportunity to submit NCNR bridge buy orders for products in Table 1 per the dates listed in Table 3. As reflected in the Date\* column in Table 3, if a customer submits an NCNR bridge buy order by December 31, 2024 and Wolfspeed accepts that order, Wolfspeed will offer to that customer a last possible shipment date of December 27, 2025 for that order. In all other cases, the relevant dates for NCNR bridge buy orders are set forth in the Standard Date column in Table 3.

## Sample Status

Qualification samples can be made available for the part(s) affected by this change upon a customer request submitted to the contact information listed in Table 4, preferably within 30 days from the issue date of this PCN. Wolfspeed anticipates that qualification samples for an affected product will be available on and after the date set forth as the “(Projected) Sample Date” for that product in Table 2.

## 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) Sample Date	MVF Sample Part Number	(Projected) Qualification Report Date	(Projected) First Production Ship Date*
BM3 family	1200V: Q2 CY25 1700V: Q3 CY25	“P” prefix	1200V: Q2 CY25 1700V: Q3 CY25	1200V: Q3 CY25 1700V: Q4 CY25
HM3 family	1200V: Q2 CY25 1700V: Q3 CY25	“P” prefix	1200V: Q2 CY25 1700V: Q3 CY25	1200V: Q3 CY25 1700V: Q4 CY25
XM3 family**	1200V: Q2 CY25 1700V: Q3 CY25	“P” prefix	1200V: Q2 CY25 1700V: Q3 CY25	1200V: Q3 CY25 1700V: Q4 CY25

\* Specific product schedules should be discussed with Wolfspeed Sales and Marketing representatives.

\*\* Only for XM3 PNs listed in Table 1.

**Table 3. Bridge Buy Dates**

Task	Date*	Standard Date
<b>Last Date to Submit an Order for NCF Products</b>	December 31, 2024	April 1, 2025
<b>Last Possible Scheduled Shipment Date</b>	December 27, 2025	October 1, 2025

## 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 4.

**Table 4.** PCN Contact.

<b>Product Family</b>	BM3/HM3	XM3
<b>Wolfsped Contact</b>	Tracy Tsai	Danish Khatri
<b>Wolfsped Contact E-Mail</b>	tracy.tsai@wolfsped.com	danish.khatri@wolfsped.com
<b>Wolfsped Contact Phone</b>	1.844.200.WOLF	1.844.200.WOLF
<b>Address</b>	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
October 17, 2024	1	Revised wording in key sections based on shift from NCF to MVF ; revised Table 2; added Table 3