

Wolfspeed® Product/Process Change Notification

PCN number: PCN-00148 Rev 1

PCN Issue Date: October 23, 2024

PCN Type: Advance

PCN Title

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

Description of the Change

Wolfspeed is shifting all its bare die and device fabrication from the North Carolina Fabrication (NCF) facility to the 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 material from either facility until NCF inventory is depleted.

Please note this PCN is a revision to PCN-00148 issued on October 2, 2024 (see Revision History on page 5 for details).

Benefit of the Change

The MVF facility offers substantial capacity expansion and world-class automation. This change will drive throughput and high quality to support its customers for various power applications.

Affected Products

Table 1 lists the power die products affected by this Advance PCN.

Table 1. Affected Products List.

Wolfspeed Part Number			
CPM4-0120-0104JS0A	CPM3-0650-0045A	CPW6-1200-Z005A	CPW6-1700-Z005A
CPM4-0120-0149JS0A	CPM3-0650-0060A	CPW6-1200-Z010A	CPW6-1700-Z010A
	CPM3-0900-0010A	CPW6-1200-Z015A	CPW6-1700-Z025A
	CPM3-1200-0016A	CPW6-1200-Z020A	CPW6-1700-Z050A
	CPM3-1200-0075A	CPW6-1200-Z050A	
	CPM3-1700-R020E		

Qualification Plan 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 die products 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. Any further material changes will be communicated with customers via Major PCNs after qualification reports are completed.

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 "Sample Availability 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 material updates to these estimated dates can be provided by your Wolfspeed contact.

Table 2. Estimated Key PCN Dates.

Part Number	Sample Availability Date	MVF Sample Part Number	Major PCN Issue Date	First Production Shipment Date
CPM3-0650-0045A CPM3-0650-0045A-FY6 CMP3-0650-0045A-FS6 CPM3-0650-0045A-WX6 CPM3-0650-0045A-WD6	8/26/2024	QCPM3-0650-0045A-GQ8	12/20/2024	4/5/2025
CPM3-0650-0060A CPM3-0650-0060A-FY6 CPM3-0650-0060A-FS6 CPM3-0650-0060A-WX6 CPM3-0650-0060A-WD6	8/26/2024	QCPM3-0650-0060A-GQ8	12/20/2024	4/5/2025
CPM3-0900-0010A CPM3-0900-0010A-FY6 CPM3-0900-0010A-FS6 CPM3-0900-0010A-WX6 CPM3-0900-0010A-WD6	10/7/2024	QCPM3-0900-0010A-GQ8	1/13/2025	4/27/2025
CPM3-1200-0016A CPM3-1200-0016A-FY6 CPM3-1200-0016A-FS6 CPM3-1200-0016A-WX6 CPM3-1200-0016A-WD6	4/1/2025	QCPM3-1200-0016A-GQ8	6/25/2025	9/26/2025
CPM3-1200-0075A CPM3-1200-0075A-FY6 CPM3-1200-0075A-FS6 CPM3-1200-0075A-WX6 CPM3-1200-0075A-WD6	8/12/2024	QCPM3-1200-0075A-GQ8	10/25/2024	1/24/2025
CPM4-0120-0149JS0A CPM4-0120-0149JS0A-FY6 CPM4-0120-0149JS0A-FS6 CPM4-0120-0149JS0A-WX6 CPM4-0120-0149JS0A-WD6	10/31/2024	QCPM4-0120-0149JS0A-GQ8	1/27/2025	5/11/2025
CPM4-0120-0104JS0A CPM4-0120-0104JS0A-FY6 CPM4-0120-0104JS0A-FS6 CPM4-0120-0104JS0A-WX6 CPM4-0120-0104JS0A-WD6	10/31/2024	QCPM4-0120-0104JS0A-GQ8	2/24/2025	6/8/2025

Part Number	Sample Availability Date	MVF Sample Part Number	Major PCN Issue Date	First Production Shipment Date
CPM3-1700-R020E CPM3-1700-R020E-FY6 CPM3-1700-R020E-FS6 CPM3-1700-R020E-WX6 CPM3-1700-R020E-WD6	3/23/2026	QCPM3-1700-R020E-GQ8	6/22/2026	9/25/2026
CPW6-1200-Z005A CPW6-1200-Z005A-FA6	1/19/2026	QCPW6-1200-Z005A-GM8	2/16/2026	5/31/2026
CPW6-1200-Z010A CPW6-1200-Z010A-FA6	8/18/2025	QCPW6-1200-Z010A-GM8	10/27/2025	2/8/2026
CPW6-1200-Z015A CPW6-1200-Z015A-FA6	8/25/2025	QCPW6-1200-Z015A-GM8	10/27/2025	2/8/2026
CPW6-1200-Z020A CPW6-1200-Z020A-FA6	6/23/2025	QCPW6-1200-Z020A-GM8	9/29/2025	1/11/2026
CPW6-1200-Z050A CPW6-1200-Z050A-FA6	11/25/2024	QCPW6-1200-Z050A-GM8	7/7/2025	10/19/2025
CPW6-1700-Z005A CPW6-1700-Z005A-FA6	2/23/2026	QCPW6-1700-Z005A-GM8	3/23/2026	7/5/2026
CPW6-1700-Z010A CPW6-1700-Z010A-FA6	3/2/2026	QCPW6-1700-Z010A-GM8	3/30/2026	7/12/2026
CPW6-1700-Z025A CPW6-1700-Z025A-FA6	5/19/2025	QCPW6-1700-Z025A-GM8	9/8/2025	12/21/2025
CPW6-1700-Z050A CPW6-1700-Z050A-FA6	5/5/2025	QCPW6-1700-Z050A-GM8	8/11/2025	11/23/2025

Table 3. Bridge Buy Dates.

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

Customer Acknowledgement

Customers are 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 Advance PCN, please refer to the contact information listed in Table 4.

Table 4. PCN Contact.

Wolfspeed Contact	Wolfspeed PCN Administrator
Wolfspeed Contact E-Mail	PCN@wolfspeed.com
Wolfspeed Contact Phone	1.844.200.WOLF
Address	4600 Silicon Drive Durham, NC 27703 U.S.A.

Revision History

Date	Revision	Description
October 2, 2024	0	Initial release
October 23, 2024	1	Table 1 update: Added a column for CPW6 1700V products. Table 2 update: Added suffixes to all Part Numbers column and included CPW6 1700V products and dates. Removed TBD from CPM3-1200-0016A and CPM3-1700-R020E to add actual dates. Updated Major PCN Issue Date column for CPM3-0650-0045A and CPM3-0650-0060A.