

Wolfspeed® Product/Process Change Notification

PCN Number: PCN-00099
PCN Type: Informational

PCN Issue Date: February 28, 2024

PCN Title

Adding Process Control Monitor (PCM) Electrical Structures to All Wolfspeed North Carolina Facility (NCF) and Mohawk Valley Facility (MVF) Schottky Die Wafers

Description of the Change

As Wolfspeed expands its Schottky products portfolio, this informational notification is to inform Wolfspeed's customers that Process Control Monitors (PCMs) with electrical test structures will be added to all North Carolina and Mohawk Valley Facilities Schottky wafers, where fiducial die was placed previously. Without PCM, Wolfspeed has limited visibility into the layers of the device for troubleshooting electrical behavior. In addition, Critical Dimensions (CDs) are not currently taken on any Schottky devices, and the introduction of a dedicated structure would enable this new data stream. Please see the below figure for more details.

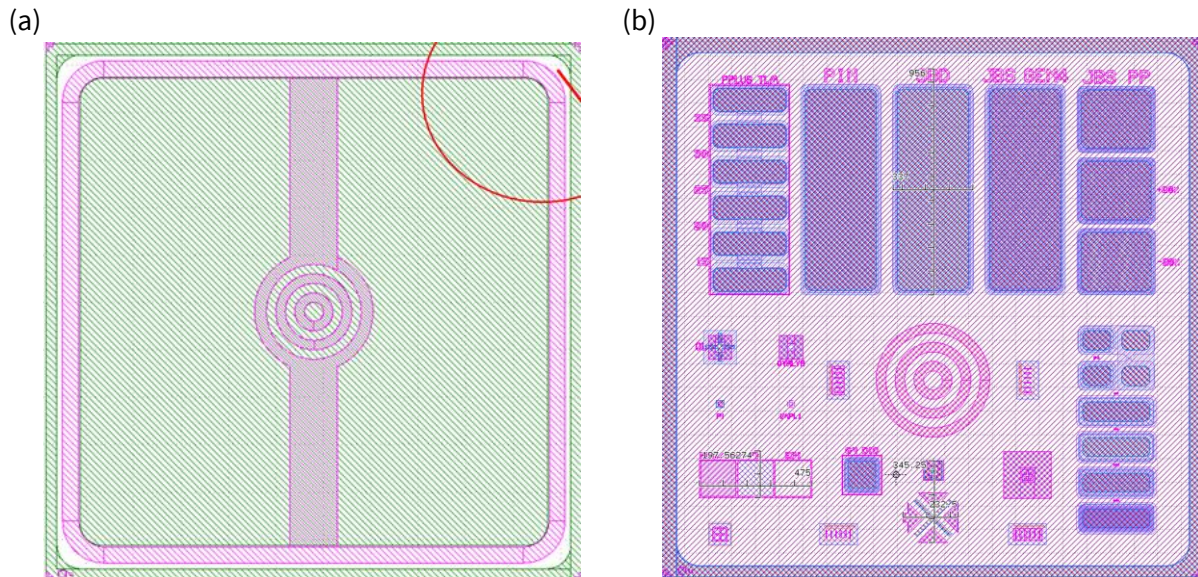


Figure 1. Examples of (a) the Current Nonfunctional Fiducial Die and (b) the Layout of PCM Die.

Benefit of the Change

This change supports Wolfspeed's continuous improvement of the quality and reliability of products.

Affected Products

Table 1 lists the products affected by this Informational PCN. Additional parts will be included for this change later, and the updated PCN document will be provided to customers.

Table 1. Affected Products List.

Wolfspeed Part Number		
Gen 2	Gen 3	Gen 4
CPW2-0600-S006B	CPW3-0600-S004B	CPW4-1200-S010B
CPW2-0600-S006B-FA6	CPW3-0600-S004B-FA6	CPW4-1200-S010B-FA6
CPW2-0600-S006B-FR6	CPW3-0600-S004B-FR6	CPW4-1200-S010B-FR6
CPW2-0650-S006B	CPW3-0650-S004B	CPW4-1200-S015B
CPW2-0650-S006B-FA6	CPW3-0650-S004B-FA6	CPW4-1200-S015B-FA6
CPW2-0650-S006B-FR6	CPW3-0650-S004B-FR6	CPW4-1200-S015B-FR6
CPW2-0600-S008B		CPW4-1200-S020B
CPW2-0600-S008B-FA6		CPW4-1200-S020B-FA6
CPW2-0600-S008B-FR6		CPW4-1200-S020B-FR6
CPW2-0650-S008B		
CPW2-0650-S008B-FA6		
CPW2-0650-S008B-FR6		
CPW2-0600-S010B		
CPW2-0600-S010B-FA6		
CPW2-0600-S010B-FR6		
CPW2-0650-S010B		
CPW2-0650-S010B-FA6		
CPW2-0650-S010B-FR6		

Anticipated Impact

No customer action is required. There is no change to product form, fit, function, or reliability.

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 update to these dates can be provided by your Wolfspeed contact.

Table 2. Estimated Key PCN Dates.

Task	Date
Qualification Report	2/28/2024
Projected First Ship Date	4/1/2024

Contact Information

If you have any questions regarding this Informational PCN, please refer to the contact information listed in Table 3 below.

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
February 28, 2024	0	Initial release