

Wolfspeed® Product/Process Change Notification

PCN Number: PCN-00111
PCN Type: Informational

PCN Issue Date: March 12, 2024

PCN Title

Pre-Applied Thermal Interface Material (PATIM) Pattern Revision for FM3 Wolfpack Modules

Description of the Change

As standardization within the industry, the pattern of the PATIM will be rotated 180° (noted as Rev 1 below). The PATIM is an alternating 8 hexagons per row / 9 hexagons per row pattern (see pictures in Figure 1). The reference point is the chamfer molded into the FM3 plastic housing. Additional details on the PATIM pattern can be found in the Application User Guide at https://assets.wolfspeed.com/uploads/2024/01/Wolfspeed_PRD-07933_Power_Module_TIM_Application_User_Guide.pdf, [PRD-07933 Rev 1](#), issued in January 2024. Please see Figures 1 and 2 for more details.

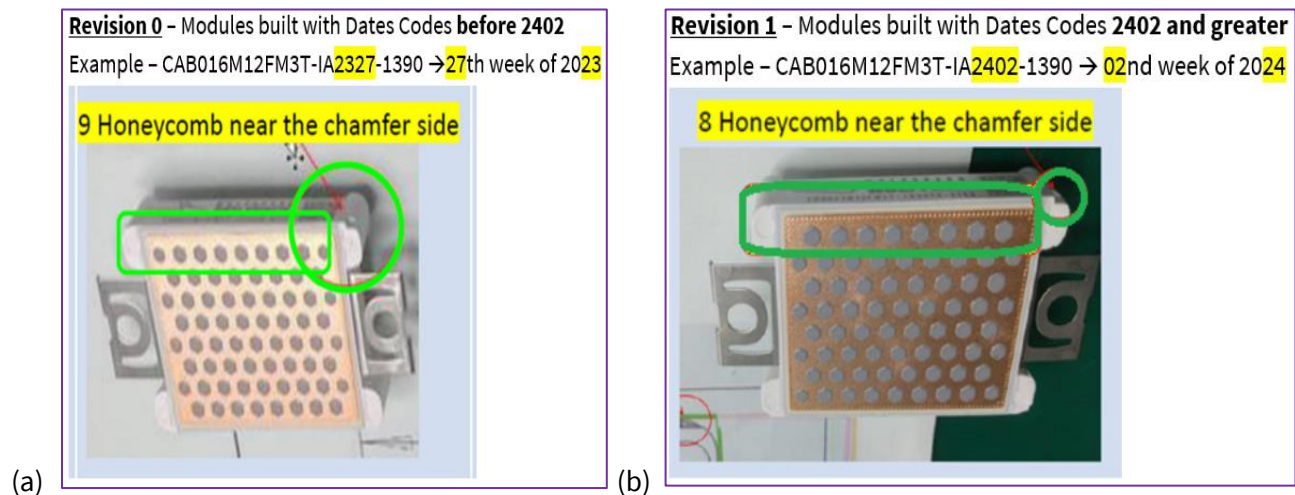


Figure 1. Examples of Modules Built with (a) the Dates Codes before 24042 and (b) Dates Codes 2402 and Greater.

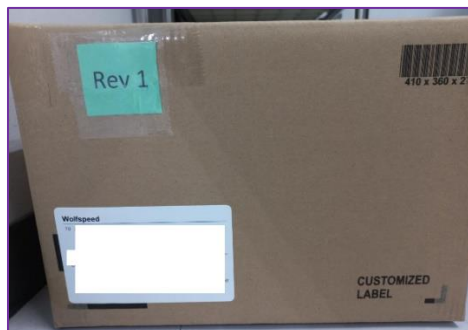


Figure 2. Rev 1 in Green Label Shown on Initial Shipment Box to Customers with the Revised PATIM Pattern Change.

Affected Products

Table 1 lists the power modules affected by this Informational PCN.

Table 1. Affected Products List.

Wolfspeed Part Number*
CAB011M12FM3T
CAB016M12FM3T
CBB032M12FM3T
CBB021M12FM3T
CCB021M12FM3T
CCB032M12FM3T

**Please note that this change only affects FM3 modules with Pre-Applied TIM as designated with a “T” as the last digit.

Anticipated Impact

There is no impact to fit and/or function of the power module. Customers using tooling that may contact the PATIM pattern will need to rotate to match the new pattern.

Implementation Date

As noted above, modules built with Date Code **2402 and greater (2nd week of 2024)** will have the revised PATIM pattern with 8 Honeycomb near the chamfer side of the FM3 module.

Contact Information

If you have any questions regarding this Informational PCN, please refer to the contact information listed in Table 2.

Table 2. PCN Contact.

Wolfspeed Contact	Charles Brinkley
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Wolfspeed Contact Phone	1.844.200.WOLF
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Revision History

Date	Revision	Description
March 12, 2024	0	Initial release