

Product/process change notification

PCN N° 2024-152-A

Dear customer,

Please find attached our Infineon Technologies AG PCN:

Frame design optimization for EconoDUAL™3 – Product scope 2

Important information for your attention:

- Please respond to this PCN by indicating your decision on the approval form, sign it and return to your sales partner before **2025-01-27**
- Infineon aligns with the widely recognized JEDEC STANDARD “**JESD46**“, which stipulates: **“Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.”**

Your prompt reply will help Infineon to assure a smooth and well-executed transition. If Infineon does not hear from your side by the due date, we will assume your full acceptance to this proposed change and its implementation.

Your attention and response to this matter is greatly appreciated.

Infineon Technologies AG

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Chairman of the Supervisory Board Dr. Herbert Diess

Management Board Jochen Hanebeck (CEO), Elke Reichart, Dr. Sven Schneider, Andreas Urschitz, Dr. Rutger Wijburg

Registered office Neubiberg Commercial register Amtsgericht München HRB 126492

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- **Products affected** Please refer to attached affected product list
PCN_2024-152-A_[customer-no].pdf

- **Detailed change information**



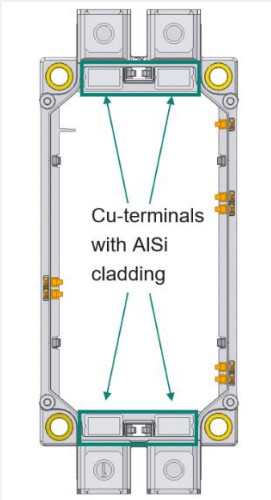
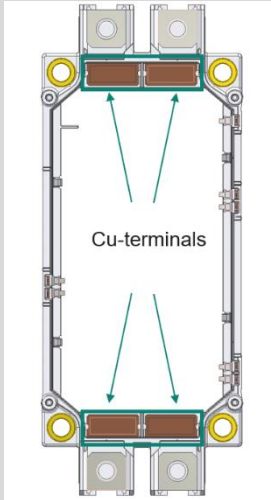
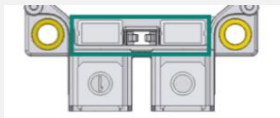
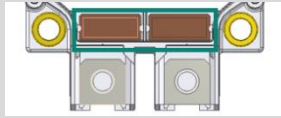
Subject Introduction of optimized EconoDUAL™3 frame design.

Reason Standardization of the frame for EconoDUAL™3 product portfolio, based on an optimized design.

Description	Old	New
	- $d_{\text{Creep,nom}}$, terminal to terminal = 13.0 mm	- $d_{\text{Creep,nom}}$, terminal to terminal > 19.3 mm - $d_{\text{Creep,min}}$, terminal to terminal = 19.3 mm
	- $d_{\text{Creep,nom}}$, terminal to heatsink = 14.5 mm	- $d_{\text{Creep,nom}}$, terminal to baseplate > 15.0 mm - $d_{\text{Creep,min}}$, terminal to baseplate = 14.7 mm
	- $d_{\text{Clear,nom}}$, terminal to terminal = 10.0 mm	- $d_{\text{Clear,nom}}$, terminal to terminal > 10.0 mm - $d_{\text{Clear,min}}$, terminal to terminal = 9.6 mm
	- $d_{\text{Clear,nom}}$, terminal to heatsink = 12.5 mm	- $d_{\text{Clear,nom}}$, terminal to baseplate > 12.5 mm - $d_{\text{Clear,min}}$, terminal to baseplate = 12.5 mm


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<ul style="list-style-type: none"> - Height of frame side walls of 14 mm 	<ul style="list-style-type: none"> - Increased height of frame side walls to 14.6 mm in the area of the solder pins
	
<ul style="list-style-type: none"> - Copper main terminal balconies with aluminum-silicon alloy (AlSi) cladding 	<ul style="list-style-type: none"> - Copper main terminal balconies
	
<ul style="list-style-type: none"> - Snap connection part between the bond balcony 	<ul style="list-style-type: none"> - Removal of snap connection part to increase bond balcony size
	

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	<ul style="list-style-type: none"> - Addition of plastic bar between the bond balconies to enable sufficient spacing 
<ul style="list-style-type: none"> - Aluminium bond wires for the main terminal connection 	<ul style="list-style-type: none"> - Introduction of copper for the main terminal connection - Due to the much higher conductivity of copper, the amount of bond wires is adjusted accordingly
	<ul style="list-style-type: none"> - Due to change of the bond wire and the bond balcony the MCDS will be adapted after the implementation

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<ul style="list-style-type: none"> - Product identification 	<p>Individual production lot number and date code.</p>						
<ul style="list-style-type: none"> - Impact of change 	<p>Based on the qualification performed, no negative impact on quality, function and reliability exists. The assessment of the implementation of the optimized frame design can be executed based on a 3D model, which can be provided on request.</p> <p>Datasheets will be updated after the implementation. No change in the SP ordering number.</p>						
<ul style="list-style-type: none"> - Attachments 	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">PCN_2024-152-A_[customer-no].pdf</td> <td>affected product list</td> </tr> <tr> <td>2_cip24152_A</td> <td>qualification Report</td> </tr> </table>	PCN_2024-152-A_[customer-no].pdf	affected product list	2_cip24152_A	qualification Report		
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<ul style="list-style-type: none"> - Time schedule 	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">- Final qualification report</td> <td>available</td> </tr> <tr> <td>- First samples available</td> <td>On request</td> </tr> <tr> <td>- Intended start of delivery</td> <td>2025-05-01 or earlier, depending on customer acceptance. During changeover, a mixed delivery might happen.</td> </tr> </table>	- Final qualification report	available	- First samples available	On request	- Intended start of delivery	2025-05-01 or earlier, depending on customer acceptance. During changeover, a mixed delivery might happen.
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If you have any questions, please do not hesitate to contact your local sales office.