

Product Change Notice

Issue Date: 02-August-2021

Change Description:

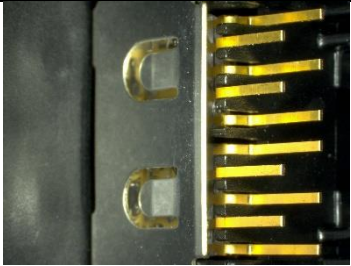
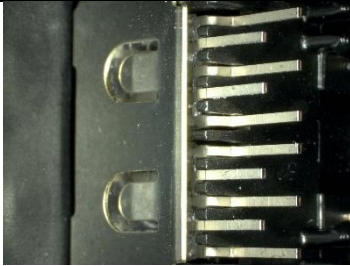
New version of Rx-IC and lead frame

Parts Affected:

AFBR-59F2Z

Description and Extent of Change:

- Design improvement for lead frame
- Change lead frame plating from NiAu-spot Ag to NiPdAu
- New version of Rx-IC
- Update of datasheet
- Upgrade of mould compound

	old	new						
Visual appearance								
Plating structure	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>Ag-spot</td></tr> <tr><td>Au</td></tr> <tr><td>Ni</td></tr> </table>	Ag-spot	Au	Ni	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>Au</td></tr> <tr><td>Pd</td></tr> <tr><td>Ni</td></tr> </table>	Au	Pd	Ni
Ag-spot								
Au								
Ni								
Au								
Pd								
Ni								

Reasons for Change:

Internal lead frame design changed to improve the heat conductance using both GND pins and harmonize assembly process. The thickness of the lead frame remains unchanged.
 Change of lead frame plating to streamline production and increase availability.

New version of Rx-IC with minor improvements in order to assure the sleep-mode functionality in the special case of slowly decreasing optical power.

Minor correction of datasheet values (no change of actual performance): rise time, fall time, output voltage.



Effect of Change on Fit, Form, Function, Quality, or Reliability:

Improved product reliability. Effects on function of the device are described above. No effect on compatibility with existing products.

Reliability tests have been performed successfully and are still ongoing to ensure product reliability.

Effective Date of Change:

Product shipments using this change will begin after 11/05/2021. Timing of shipment of the changed part will vary by part number depending on qualification completion, customer demand, and inventory levels.

Recommended Action to be Taken by Customer:

- 1) Please return any questions as soon as possible, but not to exceed 30 days.
- 2) Sample requests must specify the PCN # stated above and shall be placed by your Broadcom Sales contact.

Please contact your Broadcom field sales engineer or Contact Center for any questions or support requirements. Please acknowledge the receipt of the notice within 30 days of delivery. Lack of acknowledgement within 30 days constitutes acceptance of the change per JEDEC J-STD-046.