

Product Change Notice

Issue Date: 07-March-2022

Change Description:

Qualify a new Integrated Port & Lens for Fast Ethernet Devices AFBR-59E4APZ

Parts Affected:

AFBR-59E4APZ
AFBR-59E4APZC
AFBR-59E4APZ-HT
AFBR-59E4APZ-LH
AFBR-59E4APZ-SI1

Description and Extent of Change:

Current situation:

- OSA (Optical Sub Assembly) with 3 pcs lens system, Flat TO window can, plastic lens and port
- Kovar base eyelet headers with 0.1um Au plating

Change:

- Integrate the port and lens into a single part. No change in port and lens material.
- SPCC base eyelet headers with 0.05umAu plating

Reasons for Change:

- Streamline current process by eliminating the ultrasonic welding and TO can welding.
- Optimized gold Plating from 0.1um to 0.05um
- Up to 25% reduction on Transmitter power dissipation

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

The device specification will remain the same. Additionally, Transmitter power dissipation can be reduced up to 25%. No change on Fit, Form, Function, Quality or Reliability. Reliability qualification will be performed to ensure continued quality of the product.

Effective Date of Change:

Product shipments using this change will begin after 09/01/2022 (WW2238). Timing of shipment of the changed part will vary by part number depending on qualification completion, customer demand, and inventory levels.

Qualification Data:

Qualification samples are available

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.