

PCN: V18-002-F48070-MA

# **Product Change Notice**

Issue Date: 25 July 2018

# **Change Type:**

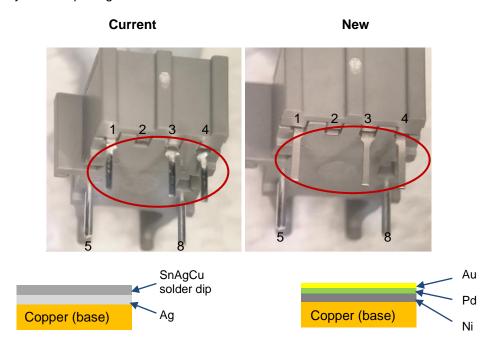
Major

# Parts Affected:

Transmitter
AFBR-1624Z
AFBR-1629Z
AFBR-1644Z
QFBR-T629Z
AFBR-1634Z
AFBR-1639Z

## **Description and Extent of Change:**

- 1. Qualify new lead-frame with increased distance between pin2 and pin3.
- 2. Qualify NiPdAu plating.



Active pins (pin1 to pin4 in red circle): Affected by changing to new NiPdAu lead-frame finish.

Housing staple pins (pin5 and pin8): No Change.

### Reason for Change:

- 1. Increase the distance between pin2 and pin3 to reduce the possibility of electric shorting.
- 2. Eliminate additional solder dip process by implementing NiPdAu Pre-plated lead-frame to improve product reliability, product cycle time and to simplify lead-frame supply chain. The NiPdAu pre-plated lead-frame has been qualified and used in other Broadcom industrial products since year 2015. Lead frame base material remains unchanged.

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

The product datasheet specification remains the same. Reliability qualifications have been performed to ensure product reliability.

### **Effective Date of Change:**

Above mentioned changes will be effective on or after 3<sup>rd</sup> Dec 2018 (WW1849). Timing of shipment, on or after 3<sup>rd</sup> Dec 2018 will vary by part number depending on customer demand, and inventory levels.

#### **Qualification Data:**

Available.

These changes have been reviewed and approved by Broadcom Limited engineers and managers per Broadcom Limited procedure: Change Control and Customer Notification, 5962-6052-80.

Please contact your Broadcom Limited field sales for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.