

PCN: V18-002-F48070-MA

Product Change Notice

Issue Date: 25 July 2018

Change Type:

Major

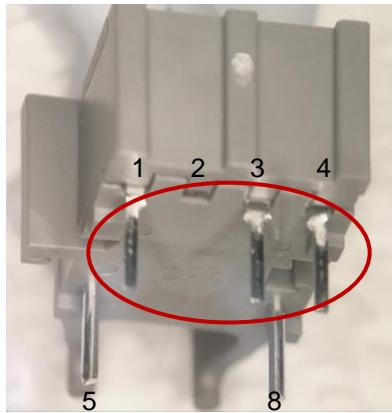
Parts Affected:

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

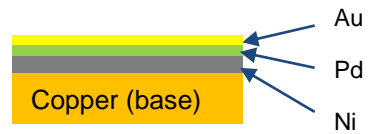
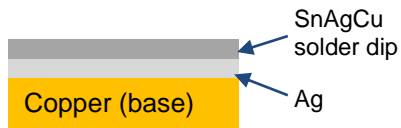
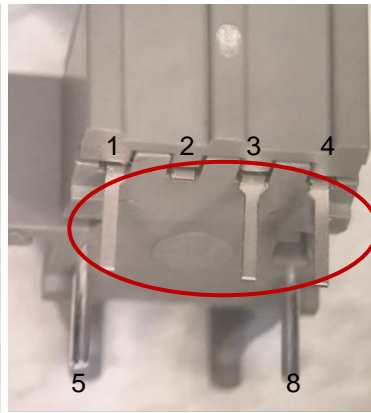
Description and Extent of Change:

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

Current



New



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 3rd Dec 2018 (WW1849). Timing of shipment, on or after 3rd 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.