

**PCN-244123**

## **Product Change Notice**

**Issue Date: 21-February-2022**

**Change Description:**

NiPdAu pre-plated lead-frame

**Parts Affected:**

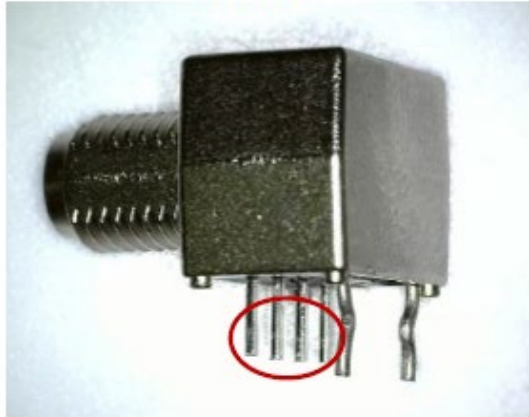
AFBR-2555ARZ  
HFBR-2555AFZ  
AFBR-1555ARZ

**Description and Extent of Change:**

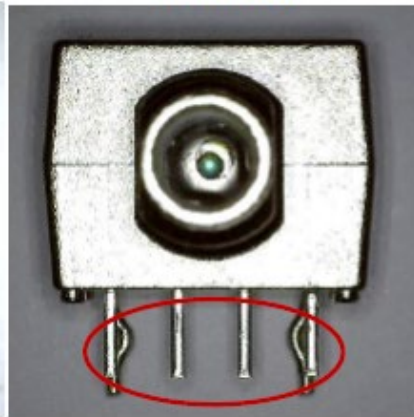
Qualify NiPdAu pre-plated lead-frame to adopt industry standard, improve product reliability, product cycle time and to simplify lead-frame supply chain.

## Current

Side View

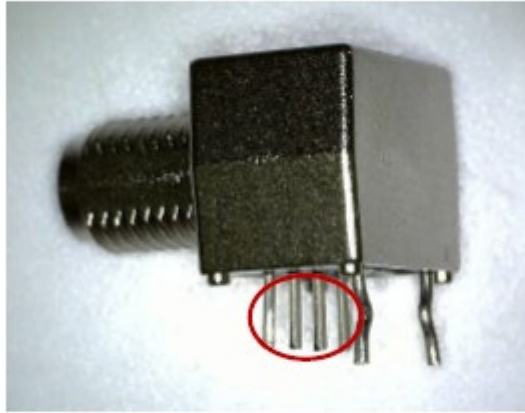


Front View

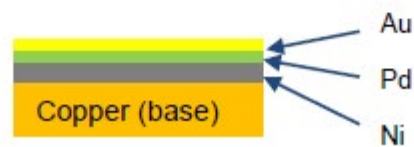
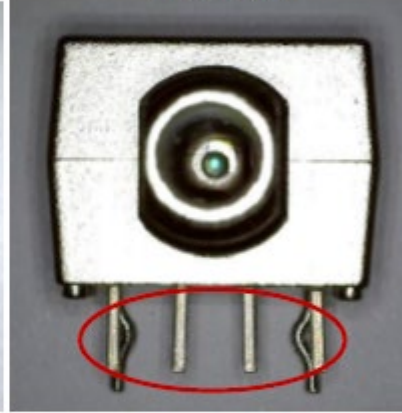


### New

Side View



Front View



Active pins (pin5, pin6, pin7 and pin8 in red circle): Affected by changing to new NiPdAu lead-frame finish.

Staple pins or Metal shield mounting pins (pin1, pin2, pin3 and pin4): No Change.

### Reasons for Change:

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 layout and base material remain 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:**

Product shipments using this change will begin after 05/30/2022. Timing of shipment of the changed part will vary by part number depending on, customer demand, and inventory levels.

**Qualification Data:**

Qualification Data has been generated and available upon request.

