

**PCN-147945**

## **Product Change Notice**

**Issue Date:** 24-March-2021

### **Change Description:**

Change of leadframe for ASMB-LTx2 and ASMB-LTx3

### **Parts Affected:**

ASMB-LTB2-0A333  
ASMB-LTB3-0C3F3  
ASMB-LTC2-0A335  
ASMB-LTC3-0D335  
ASMB-LTD2-0A333  
ASMB-LTD3-0C3F3  
QSMB-LTB2-0A333  
Q1MB-LTD2-0A333

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

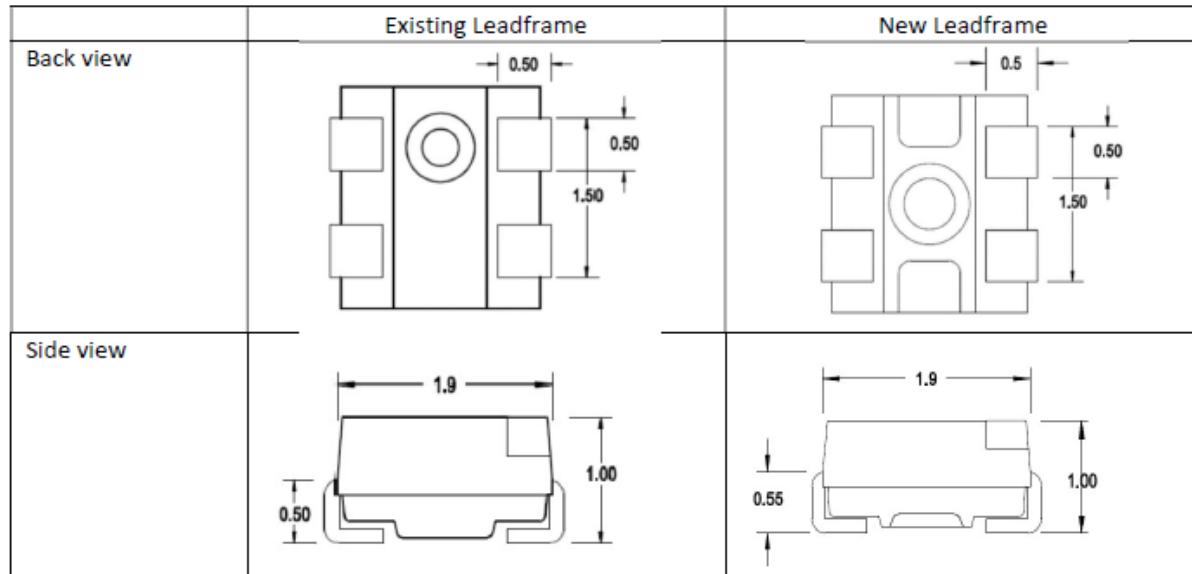
The new leadframe will replace the old leadframe for all the part numbers listed above

### **Reasons for Change:**

Discontinuation of current leadframe supply.

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

There will be no change in the function of the products. The changes in the fit and form of the final products are as illustrated below. Qualification and characterization have been conducted to ensure the quality and reliability of the final products are maintained.



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

Product shipments with the above change will commence 90 days after the issuance date above. The shipment may contain both new and old leadframes until the old leadframes are fully depleted.

#### **Qualification Data:**

Qualification Data has been generated and approved. Please refer to the table below.

Table 1: Reliability Tests

Test Name	Reference	Test Conditions	Units Tested	Units Failed
High Temperature Operating Life	JESD22-A108	$T_A = 85^\circ\text{C}$ , AlInGaP Red : $I_F = 8 \text{ mA}$ for 1000 hours InGaN Green : $I_F = 6 \text{ mA}$ for 1000 hours InGaN Blue : $I_F = 6 \text{ mA}$ for 1000 hours	56	0
Temperature Humidity Operating Life	JEITA ED-4701/100 102	$T_A = 60^\circ\text{C}$ , 90% RH, AlInGaP Red : $I_F = 17 \text{ mA}$ for 500 hours InGaN Green : $I_F = 11 \text{ mA}$ for 500 hours InGaN Blue : $I_F = 11 \text{ mA}$ for 500 hours	56	0
Temperature Cycle	JESD22-A104	$-40^\circ/100^\circ\text{C}$ , 30-minute dwell, 5-minute transfer, 100 cycles	336	0
Temperature Humidity Storage Life	JEITA ED-4701/100 103	$T_A = 60^\circ\text{C}$ , 90% RH for 1000 hours	56	0
Solderability	J-STD-002	245°C for 5 seconds	28	0

NOTE: A failure is any LED that is open or shorted or that failed to emit light (except for the solderability test).

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

