

## Product Change Notice

**Date: 19 April 2007**

### **Change Type:**

Avago Technologies will implement the following changes for bicolor Chipleds:



- Qualify alternate dice source
- Change Al wire to Au wire
- Change PCB layout

### **Parts Affected:**

HSMF-C162
HSMF-C163
HSMF-C164
HSMF-C165
HSMF-C166
HSMF-C167
HSMF-C168
HSMF-C169
QSMF-C160
QSMF-C161
QSMF-C16B
QSMF-C16C
QSMF-C16D

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

The new PCB layout is implemented to cater for 2 wires bonding of the alternate InGaN die. The picture below showed the change of the appearance from existing to the new wire configurations.

	
<b>Existing LED</b> <ul style="list-style-type: none"> <li>• Bonding material: Al wire</li> <li>• Old PCB which only cater for single wire bonding</li> </ul>	<b>New LED</b> <ul style="list-style-type: none"> <li>• Bonding material: Au wire</li> <li>• New PCB layout to cater 2 wires bonding for InGaN dice</li> <li>• Dice from alternate source</li> </ul>

**Reasons for Change:**

This change is to ensure continuous supply of the bicolor ChipLEDs

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

There is no device specification and product electrical performance change. Appropriate electrical characterization and reliability qualification have been performed to ensure acceptable performance.

**Effective Date of Change:**

Avago Technologies will start to ship LEDs with Au wire from 19 July 2007 onwards.

Transition period (19 July 2007 – 19 July 2008)

- Avago will ship LED with both Al & Au wire to customer until old inventory are fully depleted
- Shipment may contain mixture of both Al and Au wire LED but individual reel will not contain mixed products
- New parts with Au wire will be identified with a green dot on the mother label
- This change will be fully implemented by 19 July 2008 and green dot identification will be removed

**Qualification Data:**

Qualification data has been generated and approved.

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

Please contact your Avago Technologies field sales engineer or Contact Center (<http://www.avagotech.com/contact/>) for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.