

## Product Change Notice

Issue Date: 29th November 2010

### Change Type:

Please be advised that Avago Technologies is making the following product change on the effective date noted for the products listed below.

Material Related Change: From Copper base lead frame to Mild Steel base lead frame.

### Parts Affected:

HLMP-0800  
HLMP-0805  
HLMP-4000  
HLMP-4000#002  
HLMP-4000#010  
HLMP-4015  
QLMP-4059  
QLMP-4062  
QLMP-4073

### Description and Extent of Change:

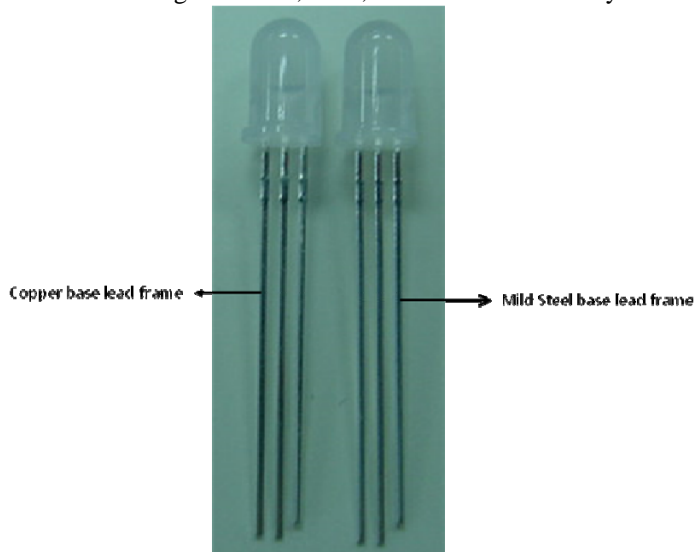
Change of raw lead frame material from Copper base to Mild Steel base.

### Reasons for Change:

Supplier discontinues supporting Copper base lead frame.

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

There is no change in the fit, form, function and reliability of the device.



**Effective Date of Change:**

Shipment with Mild Steel lead frame base material will start on 1<sup>st</sup> Jan 2011 onward. There will be mixed shipments between Copper and Mild Steel base lead frame during transition period.

**Qualification Data:**

Environmental/Life Test	Reference	Stress Profile	Unites Tested	Units Failed
Temperature Cycling	Avago Std	-40/100°C 15/5min Dwell/Transfer, 100cyc	468	0
Temperature Humidity Storage Life	Avago Std	85°C / 85% RH, 168hrs	168	0
Solderability	JESD22-B102	8hrs Steam Age, 245°C for 5s	36	0

**Summary:**

All the qualification vehicles submitted to reliability tests passed Avago's stringent reliability tests requirements. There were no functional defects observed in the tests run above.

---

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, 5957-0258-80 and 971-5507-82.

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.