



**PCN: V13-001-48475418-0A**

## Product Change Notice

Issue Date: 12<sup>th</sup> Nov 2013

**Type of Changes:**

Avago Technologies has qualified a new replacement dice for Single Digit PCB Based LED Display part numbers listed below:

**Parts Affected:**

HDSP-C3A1	HDSP-C5A1	HDSP-C8E1	HDSP-C8L1
HDSP-C3A3	HDSP-C5A3	HDSP-C8E3	HDSP-C8L3
HDSP-C3E1	HDSP-C8A1	HDSP-C8G1	
HDSP-C3E3	HDSP-C8A3	HDSP-C8G3	

**Description and Extent of Changes:**

The new dice shall be replacing current dice for part numbers above. The selected dice has undergone Avago's qualification process and is qualified as replacement dice.

**Reasons for Change:**

Obsolescence of current dice by dice supplier.

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

There is no change in form and fit of the product as per datasheet. However, the intensity is higher for the new dice as tabulated below for comparison:

	Intensity, Typical	
	New dice	Current dice
HDSP-C3A1/ HDSP-C3A3	12	7.5
HDSP-C3E1/HDSP-C3E3	15	1.1
HDSP-C5A1/ HDSP-C5A3	35	16
HDSP-C8A1/ HDSP-C8A3	29	18.2
HDSP-C8E1/ HDSP-C8E3	30	4.8
HDSP-C8G1/ HDSP-C8G3	12	5
HDSP-C8L1/ HDSP-C8L3	35	4.5



**Effective Date of Change:**

Avago Technologies will begin to ship the part numbers with new dice from 12th May 2014 onwards. Shipments may contain both current and new dice after the effective date. To avoid light output variation, customer is advised not to mix display from different lots on customer same PCB board. Datasheet will be updated by 12th May 2014.

**Qualification Data:**

**Qualification Vehicle: HDSP-C3G3/HDSP-C5A1**

Reliability Test	Stress Condition	Result
TMCL	-40/85°C 15min 5min 15min	100x (PASSED)
WHTOL	85°C/85%RH Driving Current =5mA	500hrs (PASSED)
HTOL	Temperature =85°C Driving current = 5mA	500hrs (PASSED)
LTOL	Temperature = -40°C ,20mA	500hrs (PASSED)
WHTSL	Temperature = 85°C /85%RH	500hrs (PASSED)

---

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 180 days.