

Product Change Notice

Issue Date: 22nd December 2010**Type of Change(s):**

Please be informed that Avago Technologies is making the following product changes on 0.39" (10.0mm) and 0.56" (14.22mm) surface mount LED display listed below:

- 1) Change the carrier tape type for product in Category 1 and Category 2
- 2) To add-in extra reflector pole for product in Category 1, 2, 3 & 4
- 3) Changes in reflector configuration for product in Category 2 and Category 3

Parts Affected:**Category 1**

HDSM-431C	HDSM-433H	HDSM-443C	HDSM-531H
HDSM-431F	HDSM-433L	HDSM-443F	HDSM-531L
HDSM-431H	HDSM-441C	HDSM-443H	HDSM-533C
HDSM-431L	HDSM-441F	HDSM-443L	HDSM-533F
HDSM-433C	HDSM-441H	HDSM-531C	HDSM-533H
HDSM-433F	HDSM-441L	HDSM-531F	HDSM-533L

Category 2:

HDSM-541C	HDSM-541H	HDSM-543C	HDSM-543H
HDSM-541F	HDSM-541L	HDSM-543F	HDSM-543L

Category 3:

HDSM-541B	HDSM-541W	HDSM-543B	HDSM-543W
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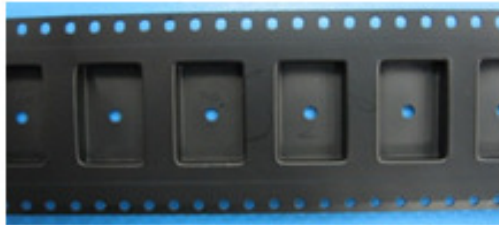
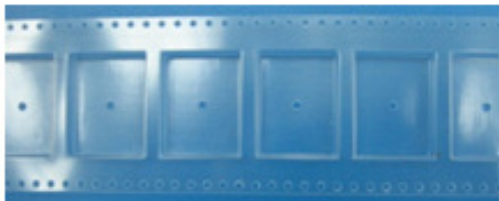


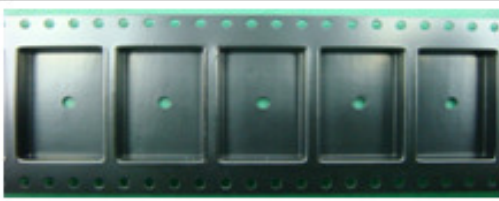
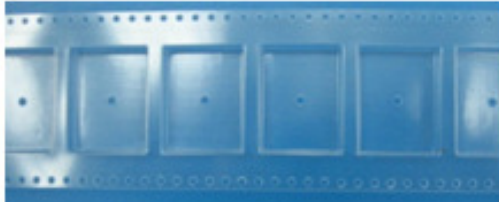

Category 4:

HDSM-431B	HDSM-433W	HDSM-443B	HDSM-531W
HDSM-431W	HDSM-441B	HDSM-443W	HDSM-533B
HDSM-433B	HDSM-441W	HDSM-531B	HDSM-533W

Description and Extent of Changes:

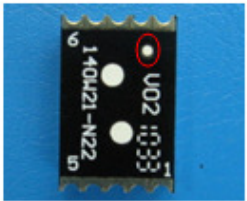
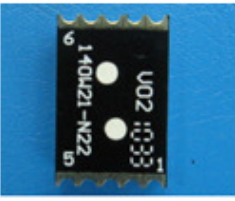
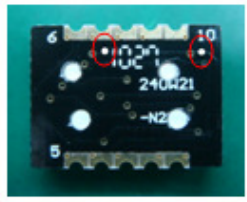
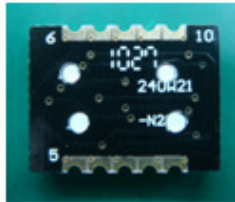


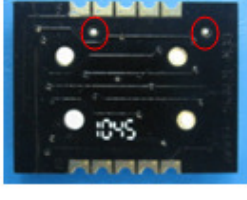
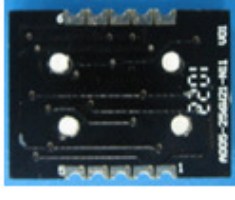


1. Carrier tape type

Change carrier tape type from black carrier tape to clear carrier tape as shown below:-

Package Type	New	Current
0.39" Single Digit		
0.39" Dual Digits		
0.56" Single Digit		
0.56" Dual Digits		

2. Extra Reflector Pole and Change in reflector for 0.56" dual digits

To add-in extra reflector pole and change in reflector configuration for 0.56" dual digits as shown below:-

Package Type	Extra Reflector pole		Reflector configuration	
	Bottom View		Top View	
	New	Current	New	Current
0.39" Single Digit (Add in extra reflector pole)			No Change	No Change
0.39" Dual Digits (Add in extra reflector pole)			No Change	No Change
0.56" Single Digit (Add in extra reflector pole)			No Change	No Change
0.56" Dual Digits (Add in extra reflector pole and Changes in reflector configuration)				

Reasons for Change:

1. Carrier tape type

For orientation inspection purposes and easy checking.

2. Extra reflector pole and Change in reflector configuration

Poka-yoke method to prevent wrong reflector orientation during assembly.

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

There is no fit and function change as per datasheet. Comparison of the physical appearance between existing and new part is as shown above.



Effective Date of Change:

Avago Technologies will update the datasheet and begin to ship these part numbers effectively by 23rd January 2011 onwards. There may be mixed shipments between current and new part until the current inventory is fully depleted.

Qualification Data:

1. Carrier tape type

No reliability test run. There is no change in product material and design.

However, the dimension of the unit and carrier tape was measured as per datasheet.

2. Extra reflector pole and Change in reflector configuration

Qualification Vehicle Picked: HDSP-431C & HDSP-541C

Reliability Test	Stress Condition	Result
TMCL	-40/105 °C 15min/5min/15min	100x (PASSED)
HTSL	105 °C	168hrs (PASSED)
WHTSL	Temperature = 85 °C /85%RH	168hrs (PASSED)

Please contact your Avago field sales engineer for further details or support requirements.

Thank you for your continuous attention to these changes.

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.