

PCN: V17-001-48475418-0A

Product Change Notice

Issue Date: 02 Feb 2017**Change Type:**

Broadcom Limited has qualified a new replacement dice for Single Digit PCB Based LED Display part number listed below:

Parts Affected:

| | | | |
|-----------|-----------|-----------|-----------|
| HDSP-H1A1 | HDSP-H2E3 | HDSP-H3L1 | HDSP-H5L3 |
| HDSP-H1A3 | HDSP-H2G1 | HDSP-H3L3 | HDSP-H8A1 |
| HDSP-H1E1 | HDSP-H2G3 | HDSP-H5A1 | HDSP-H8A3 |
| HDSP-H1E3 | HDSP-H3A1 | HDSP-H5A3 | HDSP-H8E1 |
| HDSP-H1G1 | HDSP-H3A3 | HDSP-H5E1 | HDSP-H8E3 |
| HDSP-H1G3 | HDSP-H3E1 | HDSP-H5E3 | HDSP-H8G1 |
| HDSP-H2A1 | HDSP-H3E3 | HDSP-H5G1 | HDSP-H8G3 |
| HDSP-H2A3 | HDSP-H3G1 | HDSP-H5G3 | HDSP-H8L1 |
| HDSP-H2E1 | HDSP-H3G3 | HDSP-H5L1 | HDSP-H8L3 |

Description and Extent of Change:

The new dice shall be replacing current dice for part numbers above. The selected dice has undergone Broadcom'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 fit, form and function of the product as per datasheet.

Effective Date of Change:

The shipment with above changes will begin effective 03 May 2017. There may be mixed shipments between current die and new die parts until inventory is fully depleted. To achieve light output consistency, customer is advised not to mix display from different lots on customer same PCB board.

Qualification Data:

Qualification Vehicle: HDSP-H3E1 & HDSP-H3G1

| Reliability Test | Stress Condition | Result |
|-------------------------|--|-----------------|
| TMCL | -40/85°C 15min 5min 15min | 100x (PASSED) |
| WHTOL | 85°C/85%RH Driving Current =5mA | 336hrs (PASSED) |
| HTOL | Temperature =85°C Driving current = 5mA | 336hrs (PASSED) |
| LTOL | Temperature = -40°C ,20mA | 336hrs (PASSED) |
| WHTSL | Temperature = 85°C /85%RH | 336hrs (PASSED) |

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

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