

## Product Change Notice

**Issue Date: 19-September-2022**

**Change Description:**

Alternate manufacturing site for Bicolor ChipLEDs listed below.

**Parts Affected:**

- HSMF-C142
- HSMF-C143
- HSMF-C144
- HSMF-C145
- HSMF-C146
- QSMF-C14T

**Description and Extent of Change:**

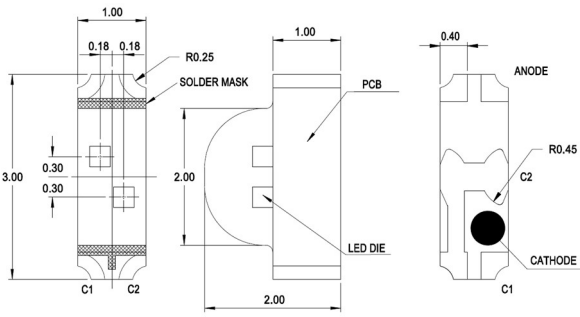
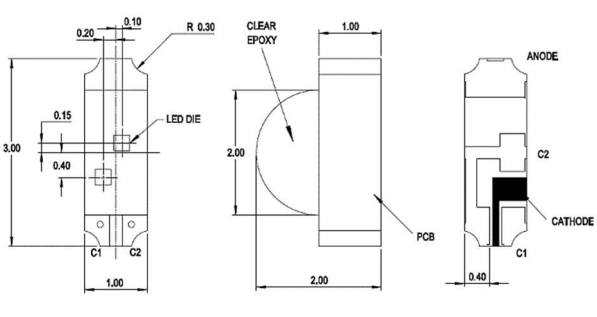
The alternate manufacturing site is qualified per Broadcom’s qualification process.

**Reasons for Change:**

Assurance of supply

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

There is no change in fit, quality and reliability.

	Existing Manufacturing Site	Alternate Manufacturing Site
<b>Product Outline</b>		

	Existing Manufacturing Site	Alternate Manufacturing Site
Packaging Label	<p>ITEM DESC: L9000 (1P)P/N: DC: 1932 LOT: Fab/Bump: COC CN Wafer Lot: (Q)QTY: Seal Date: 12-AUG-2019 (P)Customer Item: DeptID: CMCLED CAT: BIN: VF:</p>	<p>ITEM DESC: L9000 (1P)P/N: DC: 1932 LOT: Fab/Bump: COC TW Wafer Lot: (Q)QTY: Seal Date: 12-AUG-2019 (P)Customer Item: DeptID: CMCLED CAT: BIN: VF:</p>
Radiation Pattern	<p>Graph showing Normalized Intensity vs Angular Displacement (Degrees). Two curves are shown, labeled C1 and C2. C1 has a primary peak at approximately -30 degrees, while C2 has a primary peak at approximately 30 degrees.</p>	<p>Graph showing Relative Intensity vs Angular Displacement (Degrees). Two curves are shown, labeled C2 and C1. C2 has a primary peak at approximately -30 degrees, while C1 has a primary peak at approximately 30 degrees.</p>
Carrier Tape	<p>Carrier tape diagram showing dimensions: 0.23±0.1, 1.75±0.1, 2.00±0.05, 4.00±0.1, 1.55±0.05, 8.00±0.30, 3.50±0.05, 1.32±0.10. Includes CATHODE locations and USER FEED DIRECTION arrow.</p>	<p>Carrier tape diagram showing dimensions: 0.23±0.05, 1.20±0.10, 1.50±0.1, 4.00±0.05, 2.00±0.05, 1.75±0.10, 3.50±0.05, 8.00±0.20, 2.20±0.10, 4.00±0.10. Includes CATHODE locations and USER FEED DIRECTION arrow.</p>

**Effective Date of Change:**

Effective WW52 2022, shipment may contain parts from existing or alternate manufacturing site.

**Qualification Data:**

Reliability data will be provided upon request.

Please contact your Broadcom field sales engineer or Contact Center for any questions or support requirements. Please acknowledge the receipt of the notice within 30 days of delivery. Lack of acknowledgement within 30 days constitutes acceptance of the change per JEDEC J-STD-046.