

PCN-276382

Product Change Notice

Issue Date: 27-February-2024

Change Description:

Smart Display AllnGaP Green and Red LED Supplier Change

Parts Affected:

Group 1: AllnGaP Green

HCMS-2333
HCMS-2333-CDA00
HCMS-3907
HCMS-3907-LMA00
HCMS-3917
HCMS-3967
HCMS-3977
QCMS-3937
QCMS-3979

Group 2: AllnGaP Red

HCMS-3906
HCMS-3916
HCMS-3966
HCMS-3976

Group 3: Bicolor AllnGaP Green and Red

QCMS-3933

Description and Extent of Change:

LED supplier change, LED technology remains the same AllnGaP.

Reasons for Change:

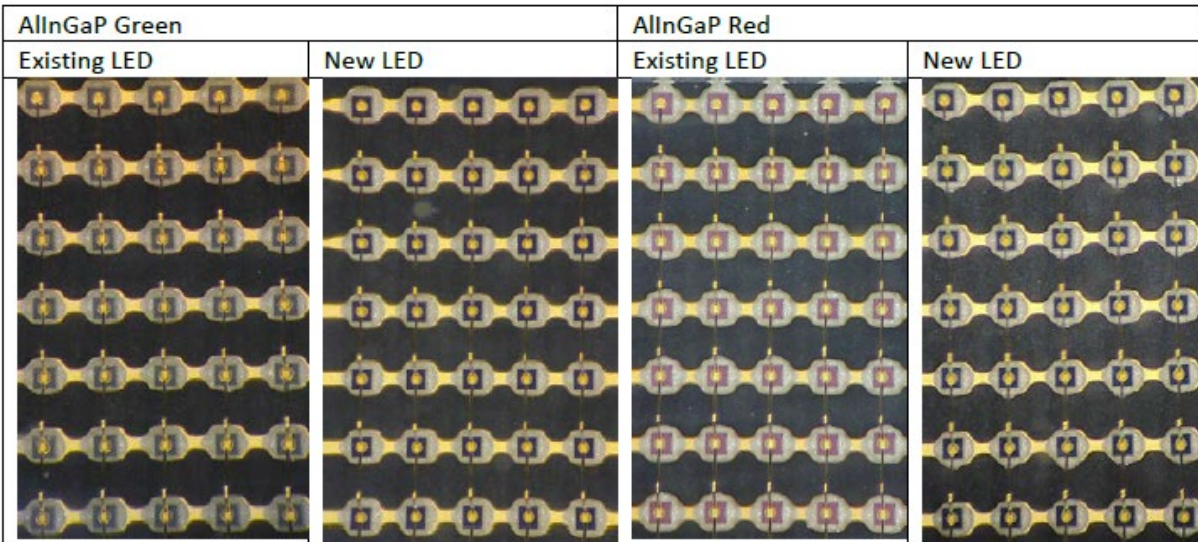
To ensure supply continuity

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

There is no change in the devices specification as well as quality and reliability performance.

There will be changes in the below characteristics:

1. LED physical appearance



2. Iv bin shift for the AlInGaP Green

The new dice is 1-2 bins brighter compared to the existing dice

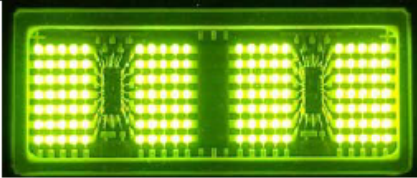
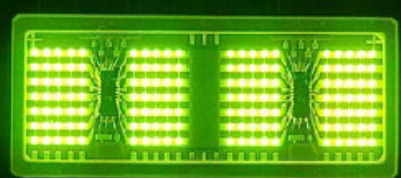
3. Color bin shift for the AlInGaP Green

The color range for the new dice will shift to the lower end of the specification. This will result in slightly greenish color appearance.

Color bin specification: 567nm-579.5nm

Existing dice color distribution: 570nm – 577nm

New dice color distribution: 567nm – 571nm

	Existing LED	New LED
HCMS-2333	 Bin C2	 Bin E4
HCMS-3907	 Bin N3	 Bin M4

Option part # (Current LED) will be replaced with option part # (New LED) once PCN is effective and inventory of existing dice is fully depleted. The replacement part number for each option part is as below:

Option part # (Current LED)	Option part # (New LED)
HCMS-2333-CDA00	HCMS-2333-EFD00
HCMS-3907-LMA00	HCMS-3907-MND00
QCMS-3937 (Iv bin K, L, M, N only)	QCMS-3937 (Iv bin L, M, N, P only)

Effective Date of Change:

The estimated first shipment date will be 27 May 2024. Shipment may contain units with LEDs from different suppliers until depletion of LEDs from the existing supplier. There will be no mixed LED within the same tube/blister pack. Shipment date of impacted part numbers will vary depending on customer demand and inventory levels.

Qualification Data:

Qualification Data will be available 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.