

Product Change Notice

Issue Date: 09-May-2022

Change Description:

Smart Display PCB Solder Mask Change for Leopard, Cheetah and Saxon 4D 0.15

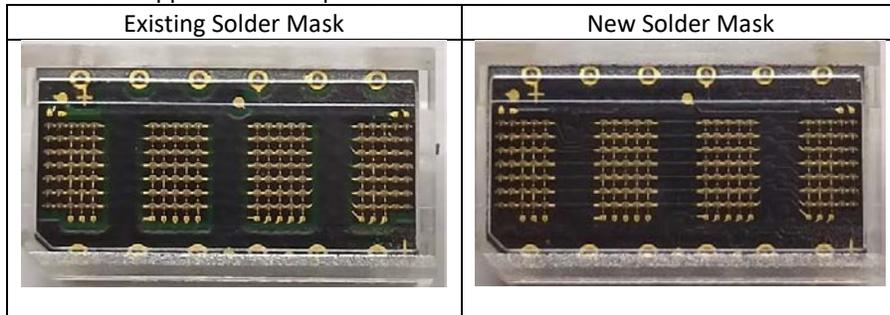
Parts Affected:

- | | |
|-----------------|-----------------|
| HCMS-2901 | HDSP-2110 |
| HCMS-2902 | HDSP-2107 |
| HCMS-2903 | HDSP-2111 |
| HCMS-2904 | HDSP-2112-G00CL |
| HCMS-2905 | HDSP-2112 |
| HCMS-3901 | HDSP-2113-IJ300 |
| HCMS-3902 | HDSP-2113 |
| HCMS-3903-HIA00 | HDSP-2534 |
| HCMS-3903 | HDSP-2533 |
| HCMS-3904 | HDSP-2533-IJD00 |
| HCMS-3906 | HDSP-2532 |
| HCMS-3907-LMA00 | HDSP-2531 |
| HCMS-3907 | QDSP-2205 |
| QCMS-2909 | QDSP-2109 |
| QCMS-3933 | |

Description and Extent of Change:

Solder mask optimization and material change. The new solder mask fully covers the PCB, providing a better cosmetic appearance.

Below is the appearance comparison of HCMS-290x for reference:



Reasons for Change:

Process optimization and supply continuity assurance



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

Device specification remains the same. There is no impact to the product performance. Appropriate reliability qualification has been performed on each product package to ensure consistent quality and reliability performance.

Effective Date of Change:

Shipment date of products using PCB with new solder mask will vary by part number depending on customer demand and inventory levels. The earliest estimated first shipment date will be 12 Sept 2022. Shipment may contain both solder mask until depletion of PCB using existing solder mask.

Qualification Data:

Qualification Data has been generated and approved. Please reference the table below.

Test Name	Reference	Test Conditions	Unit Tested	Failed Units
Temperature Cycling	JESD22-A104	-55°C/100°C, 15 mins dwell, 5 mins transfer, 1000x	174	0
Temperature Humidity Storage Life	JEITA ED-4701 / 100 103	T _A = 85°C, 85% RH, VLOGIC = 5.5V, 1000hrs	64	0

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.