

Product Change Notice

Issue Date: 29-April-2022

Change Description:

Smart Display PCB Solder Mask Change

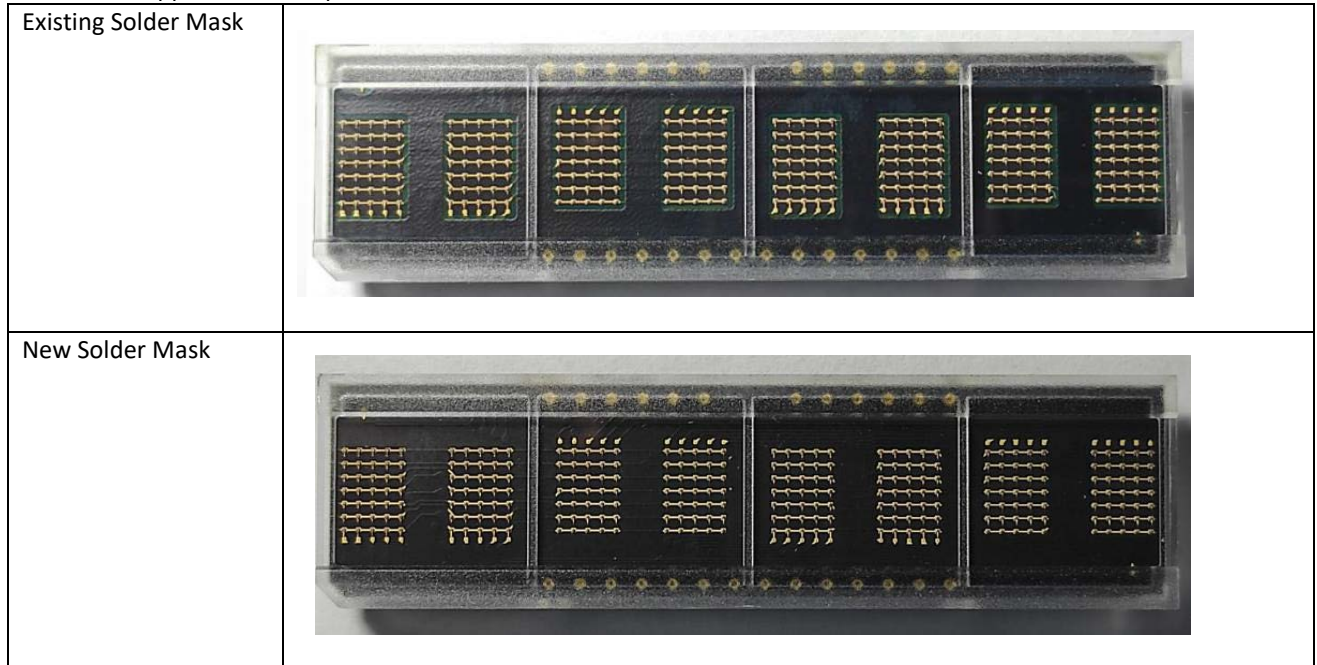
Parts Affected:

HCMS-2819	HCMS-3974
HCMS-2911	HCMS-3976
HCMS-2912	HCMS-3977
HCMS-2913	QCMS-2899
HCMS-2914	QCMS-2929
HCMS-2915	QCMS-2930
HCMS-2921	QCMS-2997
HCMS-2922	QCMS-3937
HCMS-2923	QCMS-3979
HCMS-2924	QCMS-2897
HCMS-2925	QCMS-2873
HCMS-2961	HDSP-2500
HCMS-2962	HDSP-2501
HCMS-2963	HDSP-2502-HI000
HCMS-2964	HDSP-2502
HCMS-2965	HDSP-2503
HCMS-2971	HDSP-2504
HCMS-2972	HDLA-1414
HCMS-2973	HDLA-2416
HCMS-2974	HDLA-3416
HCMS-2975-KM000	HDLG-1414
HCMS-2975	HDLG-2416-FG000
HCMS-3911	HDLG-2416
HCMS-3912	HDLG-3416
HCMS-3913	HDLO-1414
HCMS-3914	HDLO-2416-EF000
HCMS-3916	HDLO-2416
HCMS-3917	HDLO-3416
HCMS-3961	HDLS-1414
HCMS-3962	HDLS-2416
HCMS-3963	HDLU-1414
HCMS-3964	HDLU-2416
HCMS-3966	HDLY-1414
HCMS-3967	HDLY-2416-000LS
HCMS-3971	HDLY-2416
HCMS-3972	HDLY-3416
HCMS-3973	QDLG-2426-FG000

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 HDSP-250x 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 17 May 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.