

Product Change Notice

Issue Date: 6 December-2021

Change Description:

ASIC Fab change for Smart Display

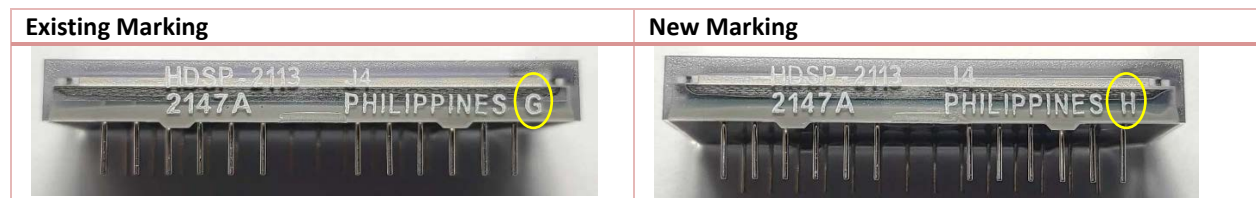
Parts Affected:

- | | |
|-----------------|-----------------|
| HDSP-2107 | HDSP-2133 |
| HDSP-2110 | HDSP-2179 |
| HDSP-2111 | HDSP-2500 |
| HDSP-2112-G00CL | HDSP-2501 |
| HDSP-2112 | HDSP-2502-HI000 |
| HDSP-2113-IJ300 | HDSP-2502 |
| HDSP-2113 | HDSP-2503 |
| HDSP-2131-HJB00 | HDSP-2534 |
| HDSP-2131-IJD00 | HDSP-2533 |
| HDSP-2131-IJD16 | HDSP-2533-IJD00 |
| HDSP-2131 | HDSP-2532 |
| HDSP-2132-IJ000 | HDSP-2531 |
| HDSP-2132 | HDSP-2530 |
| HDSP-2133-IJ000 | QDSP-2205 |
| HDSP-2133-JK000 | QDSP-2109 |
| HDSP-2133-JKD00 | |

Description and Extent of Change:

Fab supplier change from US to China. Design of ASIC remains the same. Specifications and characteristics of ASIC from new fab are the same as the existing ASIC.

Units with ASIC from new fab can be identified by letter “H” on marking.



Reasons for Change:

To ensure supply continuity



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

Since device specification remains the same, there is no impact to product electrical performance. Appropriate electrical characterization and reliability qualification have been performed to ensure normal parametric distribution, consistent electrical performance, and reliability.

Effective Date of Change:

Product shipment with this change commences after the existing IC is depleted. Shipment date of products using new ASIC will vary by part number depending on customer demand and inventory levels. The earliest estimated first shipment date with new ASIC is 6th June 2022.

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	180	0
Temperature Humidity Operating Life	JEITA ED-4701 / 100 103	T _A = 85°C, 85% RH, V _{LOGIC} = 5.5V	40	0
Temperature Humidity Operating Life	JEITA ED-4701 / 100 103	T _A = 60°C, 90% RH, V _{LOGIC} = 5.5V	40	0
Low Temperature Operating Life	JESD22-A108	T _A = -40°C, V _{LOGIC} = 5.5V	40	0
High Temperature Operating Life	JESD22-A108	T _A = 85°C, V _{LOGIC} = 5.5V	40	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.