

PCN-148045

Product Change Notice

Issue Date: 06-April-2021

Updated: 29-June-2021

Change Description:

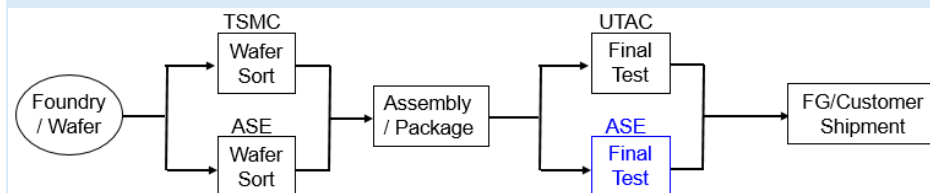
Add ASE-SG as a 2nd source Final Test site

Parts Affected:

BCM89530B1BPBG
BCM89530B1BPBGT
BCM89531B1BPBG
BCM89531B1BPBGT

Description and Extent of Change:

Electrical Final Testing (FT) is currently performed on this product at UTAC (Singapore). Broadcom will add ASE-SG (Singapore) as a 2nd source for FT. There is no change to the Foundry or Assembly locations or processes for this PCN– see updated flow below.



Reasons for Change:

Increase final test capacity and flexibility

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

The device specification, test limits, SYA/SBL limits, and S-PAT will remain the same, which will ensure product electrical performance remains the same. Appropriate correlation was performed to ensure no impact on Fit, Form, Function, Quality, or Reliability.

Effective Date of Change:

Product shipments using this change will begin after **26-Jul-2021**. Timing of shipment of parts tested at ASE-SG will vary by part number depending on customer demand and inventory levels.

Correlation Information:

The UTAC-to-ASE correlation has been completed. See the table below for details.

| Correlation Item | ASE-SG Result 89531/89530 | OK/NOK |
|------------------------|------------------------------|--------|
| Tester | Same as at UTAC | OK |
| Test DIB | Same as at UTAC | OK |
| Test Program | Same as at UTAC | OK |
| Test time / # of tests | Same as at UTAC | OK |
| SYL/SBL limits | Same as at UTAC | OK |
| S-PAT limits | Same as at UTAC | OK |
| Tester MSA | Pass | OK |

| | | |
|---|---|----|
| Reproducibility: | | |
| - Loop 20x; 8 units/site (4 sites) @ Hot Temp | 640/640 Pass | OK |
| - Loop 20x; 8 units/site (4 sites) @ Cold Temp | 640/640 Pass | |
| Repeatability: | | |
| - Loop 50x; 1 unit @ Hot Temp | 50/50 Pass | OK |
| - Loop 50x; 1 unit @ Cold Temp | 50/50 Pass | |
| Yield/reject correlation/comparison (≥ 25 KGU & ≥ 25 KBU)* | <u>Hot Temp:</u> KGU 25/25 Pass; KBU 0/25 Pass <u>Cold Temp:</u> KGU 25/25 Pass; KBU 0/25 Pass | OK |
| Analog test parameter correlation (500u/lot) | 3 total lots - Pass | OK |

*Note: KGU = Known Good Units; KBU = Known Bad Units

Please contact your Broadcom field sales engineer or Contact Center for any questions or support requirements. Please return any response as soon as possible, but **not to exceed 30 days**

