

## 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

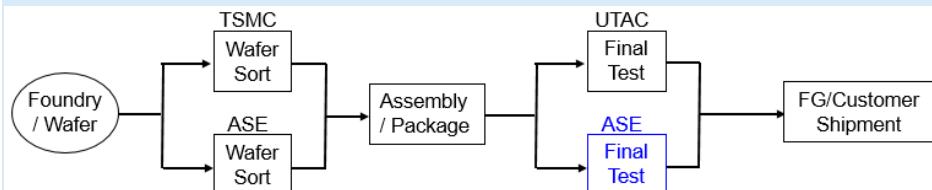
BCM89530B1PBG

BCM89531B1BPBG

BCM89531B1PBG

### **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 <b>89531/89530</b>	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

<b>Reproducibility:</b>		
- 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	
<b>Repeatability:</b>		
- Loop 50x; 1 unit @ Hot Temp	50/50 Pass	OK
- Loop 50x; 1 unit @ Cold Temp	50/50 Pass	
<b>Yield/reject correlation/comparison (<math>\geq 25</math> KGU &amp; <math>\geq 25</math> KBU)*</b>	<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
<b>Analog test parameter correlation (500u/lot)</b>	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**

