

Product Change Notice

Issue Date: 18-Mar-2022

Updated: 9-May-2022

Change Description:

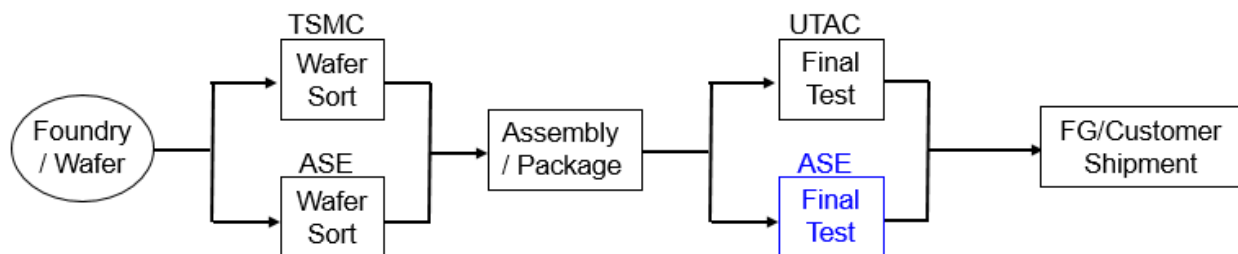
Add ASE-M as a 2nd source Final Test site

Parts Affected:

BCM89811B1AWMLG
BCM89811B1AWMLGT
BCM89816B1AWMLG
BCM89816B1AWMLGT

Description and Extent of Change:

Electrical Final Testing (FT) is currently performed on this product at UTAC (Singapore). Broadcom will add ASE-M (Malaysia) 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 **1-Jul-2022**. Timing of shipment of parts tested at ASE-M 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-M Result	OK/NOK
	89811/89816	
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; 4 units/site (8 sites) @ Hot Temp - Loop 20x; 4 units/site (8 sites) @ Cold Temp	640/640 Pass 640/640 Pass	OK
Repeatability: - Loop 50x; 1 unit @ Hot Temp - Loop 50x; 1 unit @ Cold Temp	50/50 Pass 50/50 Pass	OK
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 acknowledge receipt of this notice as soon as possible, but **not to exceed 30 days**.