

Product Change Notice

Issue Date: 12-Sep-2024**Change Description:**

Change of Final Test site to ASE-M

Parts Affected:

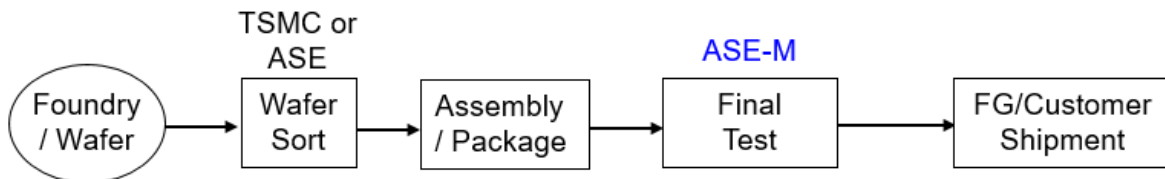
BCM89611A2BFBG

BCM89820A2BFBG

BCM89820A2BFBGT

Description and Extent of Change:

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

**Reasons for Change:**

Discontinuance of Final Test services at UTAC-SG

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 verification was/will be 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-Mar-2025**. Timing of last shipment of parts tested at UTAC will vary depending on customer demand and inventory levels.

Correlation Information:

The UTAC-to-ASE correlation has been completed. See the table below for details. 89810A2 is the superset device.

Correlation Item	ASE-M Final Test			
	89810A2		89611/89820 A2	
Tester	Same as at UTAC		Same as at UTAC	
Test DIB	Same as at UTAC		Same as at UTAC	
Test Program	Same as at UTAC		Same as at UTAC	
Test time / # of tests	Same as at UTAC		Same as at UTAC	
SYL/SBL limits	Same as at UTAC		Same as at UTAC	
S-PAT limits	Same as at UTAC		Same as at UTAC	
	Result	OK/NOK	Result	OK/NOK
Tester MSA	Pass	OK	Pass	OK
Reproducibility:				
- Loop 20x; 4 units/site @ Hot Temp	320/320 Pass	OK	160/160 Pass	OK
- Loop 20x; 4 units/site @ Cold Temp	320/320 Pass		160/160 Pass	
Repeatability:				
- Loop 50x; 1 unit @ Hot Temp	50/50 Pass	OK	50/50 Pass	OK
- Loop 50x; 1 unit @ Cold Temp	50/50 Pass		50/50 Pass	
Yield/reject correlation/comparison (≥25 KGU & ≥25 KBU)*	Hot Temp: KGU 25/25 Pass; KBU 0/25 Pass Cold Temp: KGU 25/25 Pass; KBU 0/25 Pass	OK	Hot Temp: KGU 25/25 Pass; KBU 0/25 Pass Cold Temp: KGU 25/25 Pass; KBU 0/25 Pass	OK
Analog test parameter correlation (500u/lot)	3 lots	OK	Same as 89810A2	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 the receipt of the notice within **30 days of delivery**.