

## Product Change Notice

Issue Date: 20-Oct-2023

Updated: 2-Feb-2024

**Change Description:**

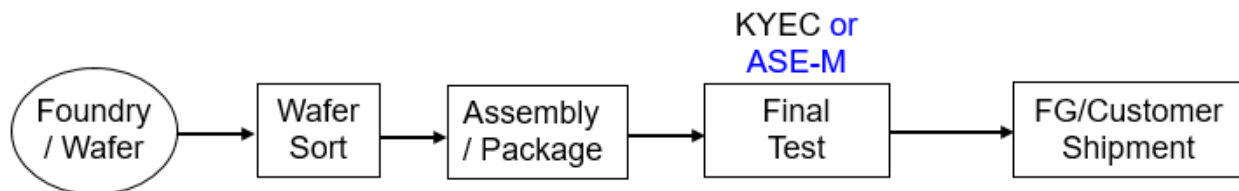
Add ASE-M as a 2<sup>nd</sup> source Final Test site

**Parts Affected:**

BCM89884A1AWMLG  
BCM89884A1AWMLGT  
BCM89885A1AWMLG  
BCM89885A1AWMLGT

**Description and Extent of Change:**

Electrical Final Testing (FT) is currently performed on this product at KYEC (Chu-Nan, Taiwan R.O.C.). Broadcom will add ASE (Malaysia) as a 2<sup>nd</sup> source for FT. There is no change to the Foundry, Wafer Sort, 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 on or after **5-Aug-2024**. Timing of shipment of parts tested at ASE will vary by part number depending on customer demand and inventory levels.

**Correlation Information:**

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

Correlation Item	ASE-M Final Test			
	89885A1		89884A1	
Tester	Same as at KYEC		Same as at KYEC	
Test DIB	Same as at KYEC		Same as at KYEC	
Test Program	Same as at KYEC		Same as at KYEC	
Test time / # of tests	Same as at KYEC		Same as at KYEC	
SYL/SBL limits	Same as at KYEC		Same as at KYEC	
S-PAT limits	Same as at KYEC		Same as at KYEC	
	Result	OK/NOK	Result	OK/NOK
Tester MSA	Pass	OK	Same as 89885A1	
Reproducibility:				
- Loop 20x; 4 units/site (8 sites) @ Hot Temp	640/640 Pass	OK	640/640 Pass	OK
- Loop 20x; 4 units/site (8 sites) @ Cold Temp	640/640 Pass		640/640 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)*	<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	<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 lots	OK	Same as 89885A1	

\*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**.