PCN-147878

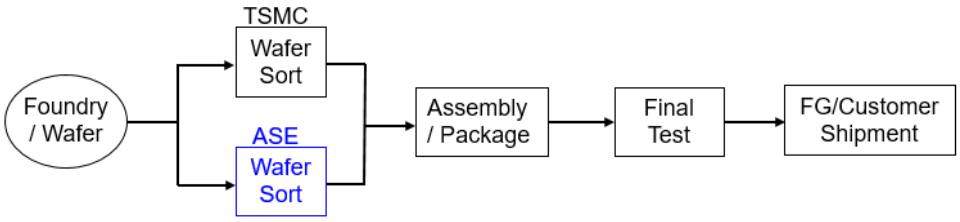
Product Change Notice

Issue Date: 30-March-2021

Change Description:
Add ASE-KH as a 2nd source wafer sort (i.e. wafer probe) site

Parts Affected:
BCM89200BBQLEGT
BCM89200BBQLEG
BCM89200BPBGT
BCM89200BPBG
BCM89500BQLEG
BCM89500BBQLEGT
BCM89500BBQLEG
BCM89501BQLEG
BCM89501BBQLEGT
BCM89501BBQLEG
BCM89501BPBG

Description and Extent of Change:
Electrical wafer sort testing is currently performed on this product at TSMC Fab 14 (Tainan, Taiwan R.O.C.). Broadcom will add ASE-KH (Kaohsiung City, Taiwan R.O.C.) as a 2nd source for wafer sort. There is no change to Foundry, Assembly or Final Test – see updated flow below.



Note that ASE-KH is a Broadcom qualified automotive wafer sort supplier.

Reasons for Change:
Increase wafer sort capacity and flexibility

Effect of Change on Fit, Form, Function, Quality, or Reliability:
The device specification, test limits, SYA/SBL limits, and D-PAT will remain the same, which will ensure product electrical performance remains the same. Appropriate correlation has been performed to ensure no impact on Fit, Form, Function, Quality, or Reliability. In addition, the devices are fully tested at Hot and Cold temperature at Final Test.

Effective Date of Change:
Product shipments using this change will begin after **15-Jun-2021**. Timing of shipment of parts tested at ASE-KH will vary by part number depending on customer demand and inventory levels.

Correlation Information:
The TSMC-to-ASE correlation activity has successfully completed. See the table below for details.

Note: All of the part numbers listed in this PCN are from the same device family and use the same test hardware.

Correlation Item	ASE-KH Result	OK/NOK
Tester	Same as at TSMC	OK
Test DIB and probe card	Same as at TSMC	OK
Test Program	Same as at TSMC	OK
Test time / # of tests	Same as at TSMC	OK
SYA/SBL limits	Same as at TSMC	OK
D-PAT limits	Same as at TSMC	OK
Loop 50 times; 5 units/site (2 sites) @ Room Temp	500/500 Pass	OK
Run 1 correlation wafer (yield/reject comparison)	Pass	OK
Analog test parameter correlation	Pass	OK

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**.