

Product Change Notice

Issue Date: 9/29/17

Change Type:

Testing related: Test time reduction at Cold Temperature (FT2).

Parts Affected:

The BCM89200/BCM89500/BCM89501 devices are Broadcom's first fully integrated BroadR-Reach multilayer switches to support automotive qualifications (AEC-Q100) for in-car networking applications. This Product Change Notice affects the following part numbers:

BCM89200BQLEG	BCM89200BBQLEG
BCM89500BQLEG	BCM89200BBQLEGT
BCM89501BQLEG	BCM89200BPBG
BCM89200BPBGT	BCM89500BBQLEG
BCM89500BBQLEGT	BCM89500BPBG
BCM89500BPBGT	BCM89501BBQLEG
BCM89501BBQLEGT	BCM89501BPBG
BCM89501BPBGT	

Description and Extent of Change:

The changes to the ATE tests to reduce test time are to remove the ATE tests that have had zero failures from the FT2 cold temperature test program. All critical DC, parametric tests and MBIST patterns remain in the FT2 test program. There will be no change to the FT1 (hot temperature) test program which has full test coverage and no change to the wafer sort test program.

Reasons for Change:

Based on yield analysis from 116.8k units (13 lots) of BCM89501 (superset package), we should be able to improve manufacturing and operational efficiencies. We will also get reduced cycle time for FT2 test flow and better utilization of cold temperature handlers.

Effect of Change on Fit, Form, Function, Quality, or Reliability:

No quality or yield impact

Effective Date of Change:

Product shipments from our supplier using this change will begin on or around January 15, 2018. Timing of shipment of the changed part will vary by part number depending on customer demand and inventory levels.

Please contact your Broadcom Limited 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.