

Product Advisory

Issue Date: Dec 10, 2020

Change Type:

Addition of ASESH (Shanghai), an approved Broadcom assembly site within the ASE group.

Parts Affected:

| | | |
|---------------|---------------|---------------|
| BCM53134UKFBG | BCM53134OKFBG | BCM53134PKFBG |
| BCM53134SKFBG | BCM53134MKFBG | BCM53134OIFBG |
| BCM53134SIFBG | BCM53134MIFBG | BCM53134PIFBG |

Description and Extent of Change:

Addition of assembly of 11X11 FBGA package at ASESH (Shanghai).
No change to Form, FIT, Function and Reliability.

Reasons for Change:

Manufacturing flexibility is needed to meet demand.

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

The device specification will remain the same, which will ensure product electrical performance remains the same. Appropriate electrical characterization and reliability qualification has been performed on representative products to ensure normal parametric distribution, consistent electrical performance, and reliability.

Effective Date of Change:

Both site will ship interchangeably and is targeted to ship Dec/11/2020. The timing of shipments will vary by part number, depending on customer demand and inventory levels.

Qualification Data:

- ASESH is Qualified Broadcom site for FBGA package and these devices have been qualified
- FBGA 10X10 and 21x21 is currently shipping in volume production from ASESH
- BCM58101B0KFBG, and BCM58202 are qualified and currently shipping from ASESH

Please reference table below.

| Stress Test | Condition | Read points | Sample Size | Requirements | Results |
|--------------|--|---------------|-------------|--------------|---------|
| | | Cycles / Hrs. | | | |
| Precondition | MSL3 JESD22-A113E | | 154 units | 0 failures | 0 / 154 |
| Temp Cycle | -55°C / 125°C JEDEC Std. 22-A104-C Cond. B | 1000 cycles | 77 units | 0 failures | 0 / 77 |
| uHast | 130°C/85%RH JEDEC Std. 22-A102-C | 96hrs | 77 units | 0 failures | 0 / 77 |
| HTSL | TA=150°C | 1000hrs | 77 units | 0 failures | 0 / 77 |

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.