

## Product Change Notice

Issue Date: November 29, 2018

**Change Type:**

Adding bumping site – PTI, Taiwan

**Parts Affected:**

BCM62117SKFSBG	BCM63137DEKFSBG	BCM63138DKFSBG	BCM63138ZZKFSBG
BCM62117SUKFSBG	BCM63137DKFSBG	BCM63138DUKFSBG	BCM63139DEKFSBG
BCM63136DEKFSBG	BCM63137DUKFSBG	BCM63138DVKFSBG	BCM63139DKFSBG
BCM63136DKFSBG	BCM63137DVKFSBG	BCM63138EKFSBG	BCM63139DUKFSBG
BCM63136DVKFSBG	BCM63137EKFSBG	BCM63138JUKFSBG	BCM63139DVKFSBG
BCM63136EKFSBG	BCM63137KFSBG	BCM63138KFSBG	BCM63139EKFSBG
BCM63136KFSBG	BCM63137SEKFSBG	BCM63138SEKFSBG	BCM63139KFSBG
BCM63136SEKFSBG	BCM63137SKFSBG	BCM63138SKFSBG	BCM63139SEKFSBG
BCM63136SKFSBG	BCM63137SUKFSBG	BCM63138SUKFSBG	BCM63139SKFSBG
BCM63136SUKFSBG	BCM63137SVKFSBG	BCM63138SVKFSBG	BCM63139SUKFSBG
BCM63136SVKFSBG	BCM63137UKFSBG	BCM63138UKFSBG	BCM63139SVKFSBG
BCM63136UKFSBG	BCM63137VKFSBG	BCM63138VKFSBG	BCM63139UKFSBG
BCM63136VKFSBG	BCM63137ZEKFSBG	BCM63138ZEKFSBG	BCM63139VKFSBG
BCM63136ZEKFSBG	BCM63137ZKFSBG	BCM63138ZKFSBG	BCM63139ZEKFSBG
BCM63136ZKFSBG	BCM63137ZUKFSBG	BCM63138ZKFSBG-M	BCM63139ZKFSBG
BCM63136ZUKFSBG	BCM63137ZVKFSBG	BCM63138ZUKFSBG	BCM63139ZUKFSBG
BCM63136ZVKFSBG	BCM63138DEKFSBG	BCM63138ZVKFSBG	BCM63139ZVKFSBG

**Description and Extent of Change:**

Adding bumping site – PTI, Taiwan

**Reasons for Change:**

Additional Assembly and Bump Capacity

**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 will be performed on representative products to ensure normal parametric distribution, consistent electrical performance, and reliability.

**Effective Date of Change:**

Product shipments using this change will begin after March 12, 2019. Timing of shipment of the changed part will vary by part number depending on qualification completion, customer demand, and inventory levels.

**Qualification Data:**

TEST	SPEC	Conditions	Sample Size	Read point (hrs./cycles ~)	Results
Precondition	JSED22-A113	MSL3	154	N/A	0/154
Temp Cycle	JESD22-A104	-55°C / +125°C	77	500 / 1000 Cycles	0/77
uHAST	JESD22-A102	130°C, 85% RH, No bias(pre-con parts)	77	96 Hrs	0/77
HTSL	JESD22-A103	Ta= 150°C.	77	500 / 1000 Hrs	0/77

**Software / Firmware Update:**

No software or firmware updates are required as a result of this change.