BROADCOM

PCN-PLP-001212

Product Change Notice

Issue Date: March 21, 2019

Change Type:
Adding Production Assembly Site

Parts Affected:
BCM8322SBIFBG, BCM8324BIFBG, BCM8325BIFBG

Description and Extent of Change:
Adding Production Assembly Site – Signetics Korea

Reasons for Change:
The current site JSCC, preemptively guides that they will be capacity limited from 2019 onwards. The additional site is necessary for supply.

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 July 1, 2019. Timing of shipment of the changed part will vary by part number depending on qualification completion, customer demand, and inventory levels.

Qualification Data:
Qualification data has been generated and approved under FBGA 19x19mm package as shown in table below. The BCM832x series of devices will be qualified by similarity using this data.

Device	BCM8728BIFBG
PROCESS TECHNOLOGY	65nm
PACKAGE TYPE	FBGA, 19x19 mm
FOUNDRY SOURCE	TSMC
ASSEMBLY SOURCE	Signetics Korea
SUBSTRATE SOURCE	Nanya

TEST	SPEC	Conditions	Sample Size	Read point (hrs/cycles ~)	Results
Preconditioning	JESD22-A113 J-STD-020	MSL Level 3 (30°C, 60%RH)	154	Hrs	Pass
uHAST	JESD22-A118	130°C, 85% RH, No bias (pre-con parts)	77	96 Hrs	Pass
TC	JESD22-A104	-55°C to 125°C air to air (pre-con parts)	77	500 cycles	Pass
				700 cycles	Pass
				1000 cycles	Pass
HTSL	JESD22-A103	Ta= 150°C.	77	500 Hrs	Pass
				1000 Hrs	Pass

Software / Firmware Update:
No firmware or software change is needed.

Please contact your Broadcom Inc. 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.