BROADCOM

PCN-PLP-001157

Product Change Notice

Issue Date: December 1, 2018

Change Type:
Adding Production Assembly Site

Parts Affected:
BCM54942AKFSBG, BCM84074AIFSBG, BCM84722AIFSBG, BCM84727AIFSBG, BCM84727AIFSBLG, BCM84728AIFSBG, BCM84728AIFSBLG, BCM84728AKFSBG, BCM84729AIFSBG, BCM84729AIFSBLG, BCM84747AKFSBG, BCM84748AIFSBG, BCM84748AKFSBG, BCM84764AKFSBLG

Description and Extent of Change:
Adding Production Assembly Site – ASE-Taiwan (Chung Li)

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 April 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 will be collected on one device to cover all package options in the series:

Device	BCM84748
PROCESS TECHNOLOGY	40nm
PACKAGE TYPE	FCBGA+HS, 21x21 mm
FOUNDRY SOURCE	TSMC
ASSEMBLY SOURCE	ASE-Taiwan
SUBSTRATE SOURCE	Kinsus

TEST	SPEC	Conditions	Sample Size	Read point (hrs/cycles ~)	Results
Preconditioning	JESD22-A113 J-STD-020	MSL Level 4 (30°C, 60%RH)	154	96 Hrs	TBD
uHAST	JESD22-A118	130°C, 85% RH, No bias (pre-con parts)	77	96 Hrs	TBD
TC	JESD22-A104	-55°C to 125°C air to air (pre-con parts)	77	500 cycles	TBD
				700 cycles	TBD
				1000 cycles	TBD
HTSL	JESD22-A103	Ta= 150°C.	77	500 Hrs	TBD
				1000 Hrs	TBD

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.