

Product Change Notice

Issue Date: 13-June-2023

Change Description:

Bring up 2nd source assembly for the following parts at ASE KaoHsiung

Parts Affected:

BCM54385C1IPBG
BCM54385C1KPBG
B50140B0KFBG
BCM54140B0IFBG
BCM54140B0KFBG
BCM54213PEB1IMLG
BCM54213PEB1KMLG
BCM54213PEB1KMLGT
BCM54216EB1IMLG
BCM54216EB1KMLG

Description and Extent of Change:

Adding additional assembly suppliers to increase capacity for the above part numbers.

Reasons for Change:

Manufacturing flexibility

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

The device specification will remain the same, which will ensure the product's electrical performance remains the same. Appropriate electrical characterization and reliability qualification have been 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 09/30/2023. The timing of shipment of the changed part will vary by part number depending on qualification completion, customer demand, and inventory levels.



Qualification Data:

Please reference the table below for Qualification Data.

QFN

Stress Test	Condition	Read points Cycles / Hrs.	Sample Size	Requirements	Results (# fail/ss)
Precondition	MSL3 JEDEC Std. 22-A113G		154 units	0 failures	0 / 154
Temp Cycle	-55°C / 125°C JEDEC Std. 22-A104 Cond. B	700 cycles	77 units	0 failures	0 / 77
uHAST	130°C/85%RH JEDEC Std. 22-A118	96 hrs	77 units	0 failures	0 / 77
HTSL	TA=150°C JEDEC Std. 22-A103	1000 hrs	77 units	0 failures	0 / 77

FBGA

Stress Test	Condition	Read points Cycles / Hrs.	Sample Size	Requirements	Results (# fail/ss)
Precondition	MSL3 JEDEC Std. 22-A113G		154 units	0 failures	ECD : 6/30/2023
Temp Cycle	-55°C / 125°C JEDEC Std. 22-A104 Cond. B	700 cycles	77 units	0 failures	ECD : 6/30/2023
uHAST	130°C/85%RH JEDEC Std. 22-A118	96 hrs	77 units	0 failures	ECD : 6/30/2023
HTSL	TA=150°C JEDEC Std. 22-A103	1000 hrs	77 units	0 failures	ECD : 6/30/2023

PBGA

Stress Test	Condition	Read points Cycles / Hrs.	Sample Size	Requirements	Results (# fail/ss)
Precondition	MSL3 JEDEC Std. 22-A113G		154 units	0 failures	0 / 154
Temp Cycle	-55°C / 125°C JEDEC Std. 22-A104 Cond. B	700 cycles	77 units	0 failures	0 / 77
uHAST	130°C/85%RH JEDEC Std. 22-A118	96 hrs	77 units	0 failures	0 / 77
HTSL	TA=150°C JEDEC Std. 22-A103	1000 hrs	77 units	0 failures	0 / 77



Software / Firmware Update:

As with all changes please check with your Broadcom FAE to determine if any software or firmware updates are required as a result of this change

Please contact your Broadcom field sales engineer or Contact Center for any questions or support requirements. Please acknowledge the receipt of the notice within 30 days of delivery. Lack of acknowledgment within 30 days constitutes acceptance of the change per JEDEC J-STD-046.