

Product Advisory

Issue Date: 03-May-2022

Change Description:

Adding a qualified assembly 2nd source ASE-KH for below part numbers

Parts Affected:

B50182B0KQLEG
B50220B0KQLEG
B50220SB0KQLEG
B50282C1KFGB
B50292B0KQLEG
B50296B0IQLEG
BCM5222KQMG
BCM54182B0IQLEG
BCM54182B0KQLEG
BCM54192B0KQLEG
BCM54220B0KQLEG
BCM54220SB0IQLEG
BCM54220SB0KQLEG
BCM54229SEB0IQLEG
BCM54282C1KFGB
BCM54291B0IQLEG
BCM54291B0KQLEG
BCM54292B0KQLEG
BCM54295B0IQLEG
BCM54296B0IQLEG
BCM54296B0KQLEG
BCM54382C1KFGB
BCM54616SC0HKFGB
BCM54616C0KFGB
BCM54616SC0KFGB
BCM54616SC0IFGB

Description and Extent of Change:

Due to the recent COVID lockdown in Shanghai, ASE-SH supply has been impacted. Hence, an additional, qualified assembly supplier ASE-KH will be added to minimize delivery impact.



Reasons for Change:

To support customer demand/commitments.

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:

Product shipments using this change will begin after 05/30/2022. Timing of shipment of the changed part will vary by part number depending on customer demand, and inventory levels.

Qualification Data:

Please reference the table below for Qualification Data.

DEVICE 1		DEVICE 2	
PACKAGE TYPE	QFP, 14x20mm, 128pins	PACKAGE TYPE	FBGA, 19x19mm, 400balls
FOUNDRY SOURCE	TSMC	FOUNDRY SOURCE	TSMC
ASSEMBLY SOURCE	ASE-KH	ASSEMBLY SOURCE	ASE-KH

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	1000 cycles	77 units	0 failures	0 / 77
UBPC *QFP Package	15 PSIG, 121°C, No bias JEDEC Std. 22-A102	168 hrs	77 units	0 failures	0 / 77
uHast *FBGA Package	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

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 acknowledgement within 30 days constitutes acceptance of the change per JEDEC J-STD-046.