

Product Change Notice

Issue Date: March 11, 2020

Change Type:

Add Assembly Production Site – Amkor China

Parts Affected:

BCM5942BKFBG
BCM8074BKFBG
BCM8154AIFBG
BCM8154FAIFBG
BCM8155FAIFBG
BCM8156BIFBG
BCM8156FBIFBG
BCM8157AIFBG
BCM8322SBIFBG
BCM8324BIFBG
BCM8325BIFBG
BCM8705BIFBG
BCM8705LBIFBG
BCM8725AIFBG
BCM8728BIFBG
BCM8728MBIFBG
BCM8742BKFBG
BCM8747BKFBG

Description and Extent of Change:

Add Amkor China as the assembly supplier for the above device

Reasons for Change:

Supply Chain manufacturing flexibility and capacity

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

There will be no change in fit, form, function, quality or reliability

Effective Date of Change:

June 18, 2020

Software / Firmware Update:

There will be no changes in Software / Firmware

Qualification Data:

Package Qualification Reference#: PQ01437
 Fab Technology: 65nm
 Package Type: FBGA
 Package Size: 21 x 21
 Lead Count: 400

Stress Test	Condition	Read points	Sample Size	Requirements	Results (# fail/ss)
		Cycles / Hrs.			
Precondition	MSL3 JESD22-A113E		152 units	0 failures	0 / 152
Temp Cycle	-55°C / 125°C JEDEC Std. 22-A104-C Cond. B	1000 cycles	76 units	0 failures	0 / 76
uHast	130°C/85%RH JEDEC Std. 22-A102-C	96hrs	76 units	0 failures	0 / 76
HTSL	TA=150°C	1000hrs	76 units	0 failures	0 / 76

Qualification Data:

Package Qualification Reference#: PQ01588
 Fab Technology: 65nm
 Package Type: FBGA
 Package Size: 14 x 14
 Lead Count: 169

Stress Test	Condition	Read points	Sample Size	Requirements	Results (# fail/ss)
		Cycles / Hrs.			
Precondition	MSL3 JESD22-A113E		240 units	0 failures	0 / 240
Temp Cycle	-55°C / 125°C JEDEC Std. 22-A104-C Cond. B	1000 cycles	76 units	0 failures	0 / 76
uHast	130°C/85%RH JEDEC Std. 22-A102-C	96hrs	76 units	0 failures	0 / 76
HTSL	TA=150°C	1000hrs	76 units	0 failures	0 / 76

Qualification Data:

Package Qualification Reference#: PQ01136
 Fab Technology: 65nm
 Package Type: FBGA
 Package Size: 11 x 11
 Lead Count: 169

Stress Test	Condition	Read points	Sample Size	Requirements	Results (# fail/ss)
		Cycles / Hrs.			
Precondition	MSL3 JESD22-A113E		315 units	0 failures	0 / 315
Temp Cycle	-55°C / 125°C JEDEC Std. 22-A104-C Cond. B	1000 cycles	76 units	0 failures	0 / 76
uHast	130°C/85%RH JEDEC Std. 22-A102-C	96hrs	76 units	0 failures	0 / 76
HTSL	TA=150°C	1000hrs	76 units	0 failures	0 / 76

Please contact your Broadcom 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.