

Product Advisory

Issue Date: 31-March-2022

Change Description:

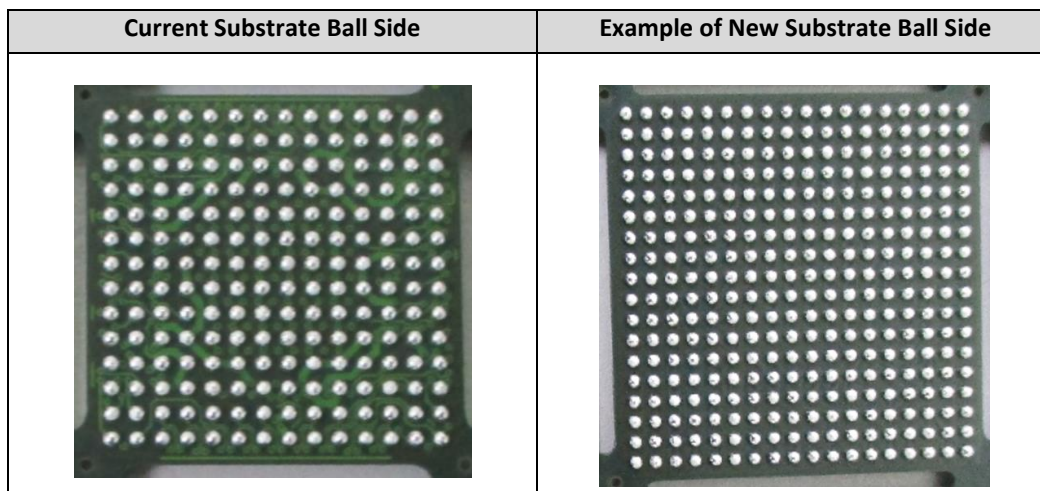
Sirius family 15x15mm substrate manufacturing process change

Parts Affected:

PEX8604-BA50BC G
PEX8604-BA50BI G
PEX8606-BA50BC G
PEX8606-BA50BI G
PEX8608-BA50BC G
PEX8609-BA50BC G
PEX8609-BA50BI G

Description and Extent of Change:

Changing substrate manufacturing process to sustain substrate supply. A visible differences on substrate ball side.



Reasons for Change:

Current substrate manufacturing tooling EOL. Substrate supplier is changing to alternate substrate manufacturing process in sustaining substrate supply.

The alternate substrate process line have been qualified and running Sirius 19x19mm substrate.

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 [10/01/2022]. Timing of shipment of the changed part will vary by part number depending on customer demand, and inventory levels.

Qualification Data:

Qualification Data has been generated and approved. Please reference the table below.

Product:	Sirius 196 PBGA 15x15mm	Sirius 324 HS-PBGA 19x19mm
Assembly Site:	ASE	ASE
Substrate Supplier:	ASE	ASE
Preconditioning (MSL3/260C)	Reference	Pass 75 x 3 lots
Temp Cycle (-65 to +150C, 500cyc)		Pass 25 x 3 lots
unbiased HAST (130C/85%RH, 96hr)		Pass 25 x 3 lots
High Temp Storage (150C, 1000hrs)		Pass 25 x 3 lots

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