

## Product Advisory

**Issue Date:** 29-March-2023

**Revised Date:** 17-May-2023

**Change Description:**

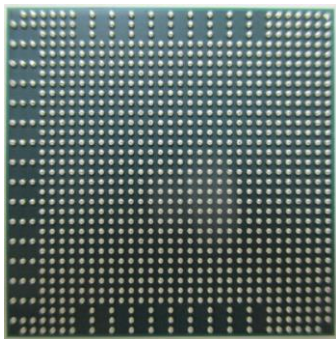
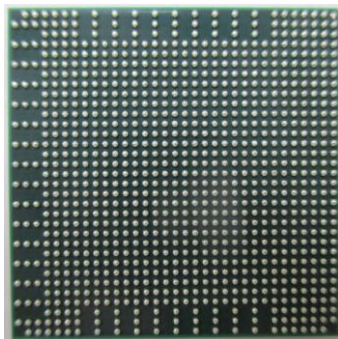
Qualifying KCC substrate supplier for Margay

**Parts Affected:**

Part Number	Part Description
SX06-0B00-02	SAS4x48B0-2-DB
SX07-0B00-02	SAS4x40B0-2-DB
SX08-0B00-02	SAS4x32B0-2-DB
SX09-0B00-02	SAS4x24B0-2-DB

**Description and Extent of Change:**

KCC substrate supplier is Broadcom qualified supplier for Broadcom products. Enabling KCC substrate for Margay products as part of supply chain strategy.

Substrate Item	Current	Plan	Comments
Design	Nanya substrate design	KCC substrate design	
Solder Mask	SR7300GR	SR7300GR	No change
Core	E705G	E705G	No change
Build-up	ABF-GX92	ABF-GX92	No change
Solder mask color (Solder ball side)			Slight color tone variation only

**Reasons for Change:**

To mitigate substrate supply shortage in the industry & reducing risk in supply continuity.

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

The device specification is unchanged to ensure product electrical performance remains the same.

This notification is being send based on successful completion of engineering assessments. Internal qualification tests are in-progress and implementation occurs upon successful completion.

**Effective Date of Change:**

Product shipments using this change will begin after 15-June-2023. The transition will vary by part number depending on qualification completion, customer demand, and inventory levels.

**Qualification Data:**

[Internal Broadcom Qualification Plan completed on 3-May-2023.](#)

<b>Test vehicle:</b>	<b>Margay</b>
<b>Package type:</b>	FCBGA
<b>Package size:</b>	27x27 mm <sup>2</sup>
<b>Substrate Supplier:</b>	KCC
<b>Build-up material:</b>	GX92
<b>Solder Mask:</b>	SR7300GR
<b>Preconditioning</b> (MSL 4/ 260 °C prior to TC and Unbiased HAST)	50 x 3 lots (Passed)
<b>Unbiased HAST</b> 130 °C/85% RH, 96 hours	25 x 3 lots (Passed)
<b>Temp Cycle</b> -55 to +125 °C, 700 cycles	25 x 3 lots (Passed)
<b>High Temp Storage</b> 150 °C, 1000 hours	25 x 3 lots (Passed)

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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.