

Product / Process Change Notification



N° 2016-093-A

Dear Customer,

Please find attached our INFINEON Technologies PCN:

Package Process Harmonization and Silicon Improvement affecting SPOC™+ Product Family

Important information for your attention:

- Please respond to this PCN by indicating your decision on the approval form, sign it and return to your sales partner before **5. January 2017**.
- Infineon aligns with the widely-recognized JEDEC STANDARD "JESD46", which stipulates:
"Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change."
- This PCN includes a **Product Discontinuation Notice** (JEDEC STANDARD "JESD48") on page x/xx.

Your prompt reply will help Infineon Technologies to assure a smooth and well executed transition. If Infineon does not hear from your side by the due date, we will assume your full acceptance to this proposed change and its implementation.

Your attention and response to this matter is greatly appreciated.

Disclaimer:

If we do not receive any response by the date in the PCN above we consider this as the acceptance of the PCN. After the last order date as stated herein, purchase orders related to the unchanged product(s) cannot be accepted.

In case the customer rejects this PCN this PCN shall be considered a product discontinuation notice (PD).

Infineon Technologies AG
Postal Address Headquarters: Am Campeon 1-12, D-85579 Neubiberg, Phone +49 (0)89 234-0
Chairman of the Supervisory Board: Wolfgang Mayrhuber
Management Board: Dr. Reinhard Ploss (CEO), Dominik Asam, Dr. Helmut Gassel, Jochen Hanebeck
Registered Office: Neubiberg Commercial Register
Amtsgericht München HRB 126492

Product / Process Change Notification



N° 2016-093-A

► Products affected:	Sales Name	SP N°	OPN	Package
	BTS54040-LBA	SP000887550	BTS54040LBAAUMA1	PG-TSON-24
	BTS54040-LBB	SP001117628	BTS54040LBBAUMA1	PG-TSON-24
	BTS54040-LBE	SP000887552	BTS54040LBEAUMA1	PG-TSON-24
	BTS54040-LBF	SP001117638	BTS54040LBFAUMA1	PG-TSON-24
	BTS54220-LBA	SP000887554	BTS54220LBAAUMA1	PG-TSON-24
	BTS54220-LBB	SP001117644	BTS54220LBBAUMA1	PG-TSON-24
	BTS54220-LBE	SP000887556	BTS54220LBEAUMA1	PG-TSON-24
	BTS54220-LBF	SP001117650	BTS54220LBFAUMA1	PG-TSON-24
	BTS56033-LBA	SP000915094	BTS56033LBAAUMA1	PG-TSON-24
	BTS56033-LBB	SP001117664	BTS56033LBBAUMA1	PG-TSON-24

► Detailed Change Information:

Subject: Package Process Harmonization and Silicon Redesign affecting SPOC™+ Product Family

Reason: Infineon continuously proves product quality and processing. With the change Infineon provides a 100% PB-free product following the ELV initiative. Additionally Infineon improves the retry behavior of SPOC™+ product family.

Description:

Die-attach

Silicon redesign
(Not affecting BTS56033-LBA
and BTS56033-LBB)

**Datasheet for LTI-
products** (BTS54040-LBB,
BTS54040-LBF, BTS54220-LBB,
BTS54220-LBF, BTS56033-LBB)

**Datasheet for non-LTI-
products** (BTS54040-LBA,
BTS54040-LBE, BTS54220-LBA,
BTS54220-LBE, BTS56033-LBA)

<u>Old</u>	<u>New</u>
<ul style="list-style-type: none"> ■ Soldered 	<ul style="list-style-type: none"> ■ Glued
	<ul style="list-style-type: none"> ■ Improved retry behavior under overload condition
<ul style="list-style-type: none"> ■ Rev. 2.1 	<ul style="list-style-type: none"> ■ Rev. 2.2 (editorial changes)
<ul style="list-style-type: none"> ■ Rev. 2.0 + errata sheet 	<ul style="list-style-type: none"> ■ Rev. 2.2 (editorial changes and harmonization of LTI and non-LTI datasheet)

► Product Identification:

Traceability assured via date code. Date code will be underlined for changed products.
SP/OPN numbers are different.

Product / Process Change Notification



N° 2016-093-A

► **Impact of Change:**

Based on the qualification performed, Infineon do not see any negative impact on quality, function and reliability. No change in die size.

► **Attachments:**

► **Time Schedule:**

- Final qualification report:
- First samples available:
- Intended start of delivery:

January-2017

January-2017

01-August-2017 or earlier after customer release.

Refer to page 4/4:

- Last order date of unchanged product:
- Last delivery date of unchanged product:

31-July-2017

31-January-2018

If you have any questions, please do not hesitate to contact your local Sales office.

EARLY

PRODUCT DISCONTINUATION

PD16093



referring to PCN N° 2016-093-A

■ Last order date of unchanged product:	2017-07-31
■ Last delivery date of unchanged product:	2018-01-31



DISCONTINUED				NEW (REPLACEMENT)			
Device	Ordering Code	OPN	Package	Device	Ordering Code	OPN	Package
BTS54040-LBA	SP000887550	BTS54040LBAAUMA1	PG-TSON-24	BTS54040-LBA	SP001617936	tbd	PG-TSON-24
BTS54040-LBB	SP001117628	BTS54040LBBAUMA1	PG-TSON-24	BTS54040-LBB	SP001617944	tbd	PG-TSON-24
BTS54040-LBE	SP000887552	BTS54040LBEAUMA1	PG-TSON-24	BTS54040-LBE	SP001644000	tbd	PG-TSON-24
BTS54040-LBF	SP001117638	BTS54040LBFAUMA1	PG-TSON-24	BTS54040-LBF	SP001644002	tbd	PG-TSON-24
BTS54220-LBA	SP000887554	BTS54220LBAAUMA1	PG-TSON-24	BTS54220-LBA	SP001617942	tbd	PG-TSON-24
BTS54220-LBB	SP001117644	BTS54220LBBAUMA1	PG-TSON-24	BTS54220-LBB	SP001617948	tbd	PG-TSON-24
BTS54220-LBE	SP000887556	BTS54220LBEAUMA1	PG-TSON-24	BTS54220-LBE	SP001643996	tbd	PG-TSON-24
BTS54220-LBF	SP001117650	BTS54220LBFAUMA1	PG-TSON-24	BTS54220-LBF	SP001643998	tbd	PG-TSON-24
BTS56033-LBA	SP000915094	BTS56033LBAAUMA1	PG-TSON-24	BTS56033-LBA	SP001644004	tbd	PG-TSON-24
BTS56033-LBB	SP001117664	BTS56033LBBAUMA1	PG-TSON-24	BTS56033-LBB	SP001644006	tbd	PG-TSON-24

