

Product/Process Change Notification

N° 2022-129-A

Dear customer,

please find attached our Infineon Technologies AG PCN:

Functional Safety related PCN: Update of safety application note and several changes affecting products BTS70012-1ESP, BTS70015-1ESP and BTS70020-1ESP

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 2023-04-10.
- 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.”
Notwithstanding the aforesaid individual agreements shall prevail.

Your prompt reply will help Infineon 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.

Infineon Technologies AG

Postal address D-81726 München [Internet www.infineon.com](http://www.infineon.com) [Headquarters](#) Am Campeon 1-15, D-85579 Neubiberg [Phone](#) +49 (0)89 234-0

[Chairman of the Supervisory Board](#) Dr. Herbert Diess

[Management Board](#) Jochen Hanebeck (CEO), Constanze Hufenbecher, Dr. Sven Schneider, Andreas Urschitz, Dr. Rutger Wijburg

[Registered office](#) Neubiberg [Commercial register](#) Amtsgericht München HRB 126492

Product/Process Change Notification

N° 2022-129-A

Products affected

Please refer to attached affected product list PCN_2022-129-A_[customer-no].pdf

Detailed change information

Subject: Functional Safety related PCN: Update of safety application note and several changes affecting products BTS70012-1ESP, BTS70015-1ESP and BTS70020-1ESP

Reason/Motivation: Infineon is ensuring business continuity and high supply security by optimizing and streamlining its production. Infineon has to extend its production capacity to meet strongly increasing market demand.

Description	Old	New
ANY: Any change with impact on processability/manufacturability at customer, which is not covered in the matrix below	Safety application note rev. 1.00	Safety application note rev. 1.10 (see link below)
DATA SHEET: Change of datasheet parameters/electrical specification (min./max./typ. values) and/or AC/DC specification	Data sheet rev. 1.10	Data sheet rev. 1.20 (see 4_cip22129_A)
DESIGN: Design changes in active elements.	Current design of active elements on chip	New design of active elements on chip
DESIGN: Design changes in routing	Current design of routing on chip	New design of routing on chip
PROCESS - WAFER PRODUCTION: Move all or parts of production to a different wafer fab site	FE Locations: Dresden Split Flow: Infineon Technologies Dresden GmbH, Dresden, Germany Infineon Technologies AG, Regensburg, Germany Infineon Technologies Austria AG, Villach, Austria	FE Locations: Dresden Full Flow: Infineon Technologies Dresden GmbH, Dresden, Germany
PACKING/SHIPPING: Change of labelling	Current SP number	New SP number (see 5_cip22129_A)

Product/Process Change Notification

N° 2022-129-A

TEST FLOW: Move of all or part of electrical wafer test and/or final test to a different test site

Wafer test location:
Infineon Technologies Austria AG,
Villach, Austria

Wafer test location:
Infineon Technologies Dresden GmbH,
Dresden, Germany

Product identification

Differentiation assured by change of SP numbers. (see 5_cip22129_A)
Traceability further assured via date code.

Anticipated impact of change

Based on the qualification performed, Infineon does not expect any negative impact on quality, function and reliability.

Assessment in application required!

DeQuMa-ID(s): SEM-AN-02 / SEM-DS-01 / SEM-DE-01 / SEM-DE-02 / SEM-PW-13 / SEM-PS-04 / SEM-TF-01

Attachments

PCN_2022-129-A_[customer-no].pdf	affected product list
4_cip22129_A	data sheets Rev. 1.20
5_cip22129_A	SP list comparison
Safety application note Rev. 1.10 (myICP link)	
https://myicp.infineon.com/sites/ATV_BP/Smart%20Low%20and%20HighSide%20Switches/PROFET_Plus2_12V/Safety_Documentation/Infineon-PROFET%E2%84%A2_+2_12V_Grade_1_ESP_SAN-v01_10-EN.pdf	

Time schedule

Final qualification report	available
First samples available	on request
Intended start of delivery [1]	2023-09-07
Last order date (LOD) [2]	2023-09-07
Last delivery date (LDD) [3]	2024-09-07

[1] Provided date or earlier after customer approval.

[2] Last date where orders for unchanged products will be accepted.

[3] Last date for delivery of unchanged products. Delivery of changed products can be earlier (see Intended start of delivery) and depends on approval.

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

PCN 2022-129-A



Functional Safety related PCN: Update of safety application note and several changes affecting products BTS70012-1ESP, BTS70015-1ESP and BTS70020-1ESP

Affected products sold to DIGI-KEY (4002348)

Sales name	SP number	OPN	Package	Customer part number
BTS70012-1ESP	SP002447696	BTS700121ESPXUMA 1	PG-TSDSO-24-32	BTS700121ESPXUMA1
BTS70015-1ESP	SP002447698	BTS700151ESPXUMA 1	PG-TSDSO-24-32	BTS700151ESPXUMA1
BTS70020-1ESP	SP002447700	BTS700201ESPXUMA 1	PG-TSDSO-24-32	BTS700201ESPXUMA1

Functional Safety related PCN: Update of safety application note and several changes affecting products BTS70012-1ESP, BTS70015-1ESP and BTS70020-1ESP

Comparison SP numbers

PCN 2022-129-A



Comparison SP numbers



Sales name	old SP number	old OPN	old Package	new SP number	new OPN	new Package
BTS70012-1ESP	SP002447696	BTS700121ESPXUMA1	PG-TSDSO-24-32	SP005882373	BTS700121ESPXUMA2	PG-TSDSO-24-32
BTS70015-1ESP	SP002447698	BTS700151ESPXUMA1	PG-TSDSO-24-32	SP005882374	BTS700151ESPXUMA2	PG-TSDSO-24-32
BTS70020-1ESP	SP002447700	BTS700201ESPXUMA1	PG-TSDSO-24-32	SP005882375	BTS700201ESPXUMA2	PG-TSDSO-24-32



Part of your life. Part of tomorrow.