

Product / Process Change Notification



N° 2021-043-A

Dear Customer,

please find attached our INFINEON Technologies PCN:

Enhanced overcurrent protection behavior for product BTS7008-2EPA

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 2021-05-12.
- 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 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.

Infineon Technologies AG
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Chairman of the Supervisory Board: Dr. Wolfgang Eder
Management Board: Dr. Reinhard Ploss (CEO), Dr. Helmut Gassel, Jochen Hanebeck, Dr. Sven Schneider
Registered Office: Neubiberg
Commercial Register: München HRB 126492

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Products affected

Please refer to attached affected product list 1_cip21043_A

Detailed Change Information

Subject: Enhanced overcurrent protection behavior for product BTS7008-2EPA

Reason / Motivation: Increased load driving capability for loads with high inrush to have a higher flexibility of use in the application. With the design changes, BTS7008-2EPA is upgraded to the same design level as all other SMART7 PROFET™ +2 products.

Description	Old	New
DATA SHEET: Change of datasheet parameters/electrical specification (min./max./typ. values) and/or AC/DC specification	Rev. 1.14 Update of 8.2 overload protection - figure 24 IL(OVLO) up to VDS = 8 V	Rev. 1.20 Update of 8.2 overload protection - figure 24 IL(OVLO) up to VDS = 13 V
DESIGN: Design changes in active elements.	Current used design of active elements for overcurrent protection threshold up to VDS = 8 V	New design of active elements for increased overcurrent protection threshold up to VDS = 13 V
DESIGN: Design changes in routing .	Routing according actual overcurrent protection threshold value	Updated routing according new overcurrent protection threshold value

Product Identification

Traceability assured via date code.
No change in SP ordering number.

Anticipated Impact of Change

Based on the qualification performed, Infineon does not expect any negative impact on quality, function and reliability. No change in fit, form and function expected.

DeQuMa-ID(s): SEM-DS-01 / SEM-DE-01 / SEM-DE-02

Attachments

1_cip21043_A affected product list

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Time Schedule

Final qualification report	available
First samples available	on request
Intended start of delivery [1]	2021-10-02
Last Order Date (LOD) [2]	2021-10-02
Last Delivery Date (LDD) [3]	2022-10-02

[1] provided date or earlier after customer approval

[2] Last time buy volume to be placed latest until LOD

[3] Delivery of new product 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.

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Sales name	SP number	OPN	Package
BTS7008-2EPA	SP001208318	BTS70082EPAXUMA1	PG-TSDSO-14-22