

# Product / Process Change Notification



**N° 2019-034-B      !! UPDATE !!**

- Updated Information marked in **BLUE TYPE**
- Original PCN N° 2019-034-A dated 09. October 2019

**Dear Customer,**

Attached please find an updated PCN 2019-034-B for your attention.

**Several changes affecting OPTIMOS-P2 Power-Transistor technology 30V and 40V in PG-TO220, PG-TO252, PG-TO263 packages**

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

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# Product / Process Change Notification



**N° 2019-034-B      !! UPDATE !!**

- Updated Information marked in **BLUE TYPE**
- Original PCN N° 2019-034-A dated 09. October 2019

► **Products affected:** Please refer to attached affected product list 1\_cip19034\_A

► **Detailed Change Information:**

**Subject:** Several changes affecting OPTIMOS-P2 Power-Transistor technology 30V and 40V in PG-TO220, PG-TO252, PG-TO263 packages

**Reason:** Continuous portfolio improvement

**Description:** Old New

**Datasheet updates**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>■ IPD90P04P4-05: Rev 1.1</li> <li>■ IPD50P04P4-13: Rev 1.2</li> <li>■ IPD50P04P4L-11: Rev 1.0</li> <li>■ IPD70P04P4L-08: Rev 1.1</li> <li>■ IPD85P04P4L-06: Rev 1.0</li> <li>■ IPD90P04P4L-04: Rev 1.1</li> <li>■ IPB180P04P4L-02: Rev 1.3</li> <li>■ IPB120P04P4L-03: Rev 1.1</li> <li>■ IPP120P04P4L-03: Rev 1.1</li> <li>■ IPB80P04P4L-04: Rev 1.0</li> <li>■ IPB80P04P4L-06: Rev 1.0</li> <li>■ <b>IPB80P04P4L-08: Rev 1.1</b></li> </ul> | <ul style="list-style-type: none"> <li>■ IPD90P04P4-05: Rev 1.2</li> <li>■ IPD50P04P4-13: Rev 1.3</li> <li>■ IPD50P04P4L-11: Rev 1.1</li> <li>■ IPD70P04P4L-08: Rev 1.2</li> <li>■ IPD85P04P4L-06: Rev 1.1</li> <li>■ IPD90P04P4L-04: Rev 1.2</li> <li>■ IPB180P04P4L-02: Rev 1.4</li> <li>■ IPB120P04P4L-03: Rev 1.2</li> <li>■ IPP120P04P4L-03: Rev 1.2</li> <li>■ IPB80P04P4L-04: Rev 1.1</li> <li>■ IPB80P04P4L-06: Rev 1.1</li> <li>■ <b>IPB80P04P4L-08: Rev 1.2</b></li> </ul> |
|--|--|

**Chip dimension**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>■ IPB45P03P4L-11: 2.2*1.7mm<sup>2</sup></li> <li>■ IPD50P03P4L-11: 2.2*1.7mm<sup>2</sup></li> <li>■ IPD50P04P4-13: 2.2*1.7mm<sup>2</sup></li> <li>■ IPD50P04P4L-11: 2.2*1.7mm<sup>2</sup></li> </ul> | <ul style="list-style-type: none"> <li>■ IPB45P03P4L-11: 2.2*1.72mm<sup>2</sup></li> <li>■ IPD50P03P4L-11: 2.2*1.72mm<sup>2</sup></li> <li>■ IPD50P04P4-13: 2.2*1.72mm<sup>2</sup></li> <li>■ IPD50P04P4L-11: 2.3*1.72mm<sup>2</sup></li> </ul> |
|---|---|

**New passivation layer**

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>■ Without SNIT (silicon nitride) and IMIDE passivation</li> </ul> | <ul style="list-style-type: none"> <li>■ With SNIT (silicon nitride) and IMIDE passivation</li> </ul> |
|--|---|

**Additional W-deposition location**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>■ Infineon Technologies AG, Regensburg, Germany</li> </ul> | <ul style="list-style-type: none"> <li>■ Infineon Technologies AG, Regensburg, Germany or Infineon Technologies Austria AG, Villach, Austria</li> </ul> |
|---|---|

**SP number** see 5\_cip19034\_A

► **Product Identification:** Traceability assured via date code.

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► **Impact of Change:**

Based on the qualification performed, Infineon does not see any negative impact on quality, function and reliability.  
DeQuMa-IDs: SEM-DS-02 / SEM-DE-03 / SEM-PW-08 / SEM-PW-13

► **Attachments:**

1\_cip19034\_A affected product list  
[4\\_cip19034\\_B datasheet update IPB80P04P4L-08 rev. 1.2](#)  
5\_cip19034\_A replacement table (SP number)

► **Time Schedule:**

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

	<b>2019-034-A</b>	<b>2019-034-B</b>
	available	available
	on request	on request
	30-March-2020 or earlier after customer approval	30-March-2020 or earlier after customer approval

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