



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20151028000
Datasheet for TPS65218, TPS65218B101
Information Only**

Date: 2/4/2016
To: Newark/Farnell PCN

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the PCN Manager (PCN_ww_admin_team@list.ti.com).

Sincerely,

PCN Team
SC Business Services

**20151028000
Information Only
Attachments**

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

| DEVICE | CUSTOMER PART NUMBER |
|----------------|-----------------------------|
| TPS65218B1PHPT | null |
| TPS65218B1RSLT | null |

Technical details of this Product Change follow on the next page(s).

| | | | |
|--------------------------|--------------------------------------|-------------------------------------|---------------------|
| PCN Number: | 20151028000 | PCN Date: | 2/4/2016 |
| Title: | Datasheet for TPS65218, TPS65218B101 | | |
| Customer Contact: | PCN Manager | Dept: | Quality Services |
| Change Type: | | | |
| <input type="checkbox"/> | Assembly Site | <input type="checkbox"/> | Design |
| <input type="checkbox"/> | Assembly Process | <input checked="" type="checkbox"/> | Data Sheet |
| <input type="checkbox"/> | Assembly Materials | <input type="checkbox"/> | Part number change |
| <input type="checkbox"/> | Mechanical Specification | <input type="checkbox"/> | Test Site |
| <input type="checkbox"/> | Packing/Shipping/Labeling | <input type="checkbox"/> | Test Process |
| | | <input type="checkbox"/> | Wafer Bump Site |
| | | <input type="checkbox"/> | Wafer Bump Material |
| | | <input type="checkbox"/> | Wafer Bump Process |
| | | <input type="checkbox"/> | Wafer Fab Site |
| | | <input type="checkbox"/> | Wafer Fab Materials |
| | | <input type="checkbox"/> | Wafer Fab Process |

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification etc.

The product datasheet(s) is being updated as summarized below.

The following change history provides further details.



TPS65218

SLDS206B –NOVEMBER 2014 –REVISED FEBRUARY 2016

Changes from Revision A (September 2015) to Revision B

Page

- Updated description for PGOOD to clarify that the output can be configured as open drain 3
- Added V_{IN_LS3} conditions to I_{LIMIT} for Load Switch 3 and updated the values 13

Changes from Original (November 2014) to Revision A

Page

- Added part number TPS65218B101 1
- Increased VIN range for low voltage load switch with 350-mA current limit 1
- Moved T_{stg} to the *Absolute Maximum Ratings* table and updated *Handling Ratings* table to an *ESD Ratings* table 5
- Added device part number to *Thermal Information* table 6
- Added test conditions and values for V_{UVLO} hysteresis 7
- Changed test conditions for input voltage ranges from " $V_{IN_BIAS} > 2.7 V$ " to " $V_{IN_BIAS} > V_{UVLO}$ " 7
- Updated values for DCDC1-4 V_{OUT} falling and rising 8
- Added more test conditions and values for V_{IN_DCDC4} 9
- Updated V_{DCDC4} test conditions and values and added output voltage ripple specification for PFM mode 9
- Updated test conditions and added new values for V_{DCDC5} , V_{DCDC6} DC accuracy 10
- Updated V_{IN_LS1} max value and added additional test condition for $R_{DS(ON)}$ 12
- Added note for t_{HIGH} 15
- Updated *f²C Bus Operation* and added a note 39
- Added note to *Application and Implementation* 72
- Added *Community Resources* 77

The datasheet number will be changing.

| | | |
|------------------------|--------------|-----------------|
| Device Family | Change From: | Change To: |
| TPS65218, TPS65218B101 | SLDS206 | SLDS206B |

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TPS65218>

| | | | |
|---|------------------|----------------|----------------|
| Reason for Change: | | | |
| To more accurately reflect device characteristics. | | | |
| Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative): | | | |
| No anticipated impact. This is a specification change announcement only. There are no changes to the actual device. | | | |
| Changes to product identification resulting from this PCN: | | | |
| None. | | | |
| Product Affected: | | | |
| TPS65218B101PHPR | TPS65218B101PHPT | TPS65218B1PHPR | TPS65218B1PHPT |
| TPS65218B1RSLR | TPS65218B1RSLT | | |

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

| Location | E-Mail |
|-----------------|--|
| USA | PCNAmericasContact@list.ti.com |
| Europe | PCNEuropeContact@list.ti.com |
| Asia Pacific | PCNAsiaContact@list.ti.com |
| Japan | PCNJapanContact@list.ti.com |