

**PCN# 20140204001**  
**TPS2420/TPS2421-x/TPS2590/TPS25910 製品データシート更新**

お客様各位

今回のお知らせは、変更実施について通知のみを目的としたものになります。変更の詳細は、次頁以降をご参照下さい。

本通知期間は、弊社品質標準に基づいております。本変更に対するお客様個別のご要求に関しましては、個別契約にて承ります。弊社と合意済みの個別要求につきましては、別途対応させていただきます。担当営業にご確認下さい。

尚、ご不明な点、ご質問等がございましたら、担当営業或いは [pcn\\_tij@list.ti.com](mailto:pcn_tij@list.ti.com) にお問い合わせ下さい。

以上

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PAGE 2:

**Attachment: 1**

本通知は、通知日前 24 ヶ月以内に本変更対象製品をご購入いただいたお客様に連絡させていただいております。変更内容詳細は下記を参照ください。

PCN 番号:

20140204001

PCN 日付:

02/13/2014

表題:

TPS2420/TPS2421-x/TPS2590/TPS25910 製品データシート更新

PCN 詳細

変更内容:

製品データシートが page 1 より lower Vlimit reference を削除するように更新されます。  
下記変更履歴が詳細情報を提供します。データシートリンクにおいて変更箇所を参照することができます。

TEXAS  
INSTRUMENTS

www.ti.com

TPS2420

SLUS903F – JANUARY 2009 – REVISED JANUARY 2014

REVISION HISTORY

Changes from Revision E (May 2013) to Revision F

Page

Deleted the minimum voltage from the voltage range listed in the document title, features list and description

1

Added 5-A to document title

1

Changed listed to recognized in last FEATURES bullet. Also added 2367 to UL number

1

Added SSDs, PCIE, and Fan Control to the APPLICATIONS list

1

Added UV turn-on threshold and bus text to the first paragraph of the DESCRIPTION

1

Changed 3.0 V to 20.0 V to VIN in the schematic

1

Deleted PRODUCT INFORMATION table

2

TEXAS  
INSTRUMENTS

www.ti.com

TPS2421-1  
TPS2421-2

SLUS907H – JANUARY 2009 – REVISED JANUARY 2014

REVISION HISTORY

Changes from Revision G (May 2013) to Revision H

Page

Deleted minimum voltage from voltage range in the document title, features list and description

1

Added 5-A to document title

1

Changed listed to recognized in UL FEATURES bullet, also added specific UL number

1

Added SSDs, PCIE, and Fan Control to the APPLICATIONS list

1

Added maximum-UV turn-on threshold of 2.9 V sentence to the first paragraph of the DESCRIPTION

1

Deleted capacitor, C<sub>VIN</sub>, and diode from the Typical Application image. Also changed R<sub>SET</sub> to R<sub>RSET</sub> and C<sub>OUT</sub> to C<sub>LOAD</sub>. Removed voltage range and changed OUT to VOUT. Also removed note on the former C<sub>OUT</sub> stating that this is only required in systems with lead and/or load inductance

1

Changed C<sub>OUT</sub> to C<sub>LOAD</sub> and R<sub>SET</sub> to R<sub>RSET</sub> throughout document

1

Changed C<sub>OUT</sub> to C<sub>VOUT</sub> for the power limit parameter in the ELECTRICAL CHARACTERISTICS table

3

Changed current limit value of the ISET description from 125% to 150% in the TERMINAL FUNCTIONS table. Also removed TPS2421 only text from this description

6

Added note for TPS2421-1 to the VIN description in the PIN DESCRIPTION section

7

Changed R<sub>SET</sub> = 100 kW to R<sub>RSET</sub> = 100 kΩ in the FAULT CURRENT vs JUNCTION TEMPERATURE graph

8

Changed V<sub>IN</sub> to V<sub>VIN</sub> in the functional block diagram, Equation 6, and Equation 7

13

Changed In to V<sub>VIN</sub> in Equation 21

18

## TPS2590



SLUS960G – JULY 2009 – REVISED JANUARY 2014

www.ti.com

## REVISION HISTORY

## Changes from Revision F (May 2013) to Revision G

Page

Deleted the minimum voltage from the voltage range listed in the document title, features list and description .....	1
Added 5-A to document title .....	1
Changed <i>listed</i> to <i>recognized</i> in last Features bullet. Also added 2367 to UL number .....	1
Added SSDs, PCIE, and Fan Control list items to the <i>APPLICATIONS</i> list .....	1
Added UV turn-on threshold and bus voltage text to the first paragraph of the <i>DESCRIPTION</i> .....	1
Deleted <i>ORDERING INFORMATION</i> table .....	2

## TPS25910



SLUSAR6D – SEPTEMBER 2012 – REVISED JANUARY 2014

www.ti.com

## REVISION HISTORY

## Changes from Revision C (May 2013) to Revision D

Page

Deleted the minimum voltage from the voltage range listed in the document title, features list and description .....	1
Added 6.5-A to document title .....	1
Changed <i>listed</i> to <i>recognized</i> in last <i>FEATURES</i> bullet .....	1
Added 2367 to UL number in the <i>FEATURES</i> list. Moved File Number to same list item as UL Recognized .....	1
Added PCIE and Fan Control to the <i>APPLICATIONS</i> list .....	1
Deleted <i>where the load is powered by busses up to 20 V</i> from the first paragraph of the <i>DESCRIPTION</i> and replaced it with UV turn-on threshold and bus voltage text .....	1
Deleted <i>ORDERING INFORMATION</i> table .....	2

データシート番号が変更されます。

Device Family	Change From:	Change To:
TPS2420	SLUS903E	<b>SLUS903F</b>
TPS2421-X	SLUS907G	<b>SLUS907H</b>
TPS2590	SLUS960F	<b>SLUS960G</b>
TPS25910	SLUSAR6C	<b>SLUSAR6D</b>

変更されたデータシートは下記のリンクより入手可能です。

<http://www.ti.com/product/TPS2420>  
<http://www.ti.com/product/TPS2421-1>  
<http://www.ti.com/product/TPS2590>  
<http://www.ti.com/product/TPS25910>

## 変更理由：

より正確に製品特性を反映するため

## 外観, 寸法, 機能, 品質, 信頼性(positive/negative)に関する懸念事項：

電気的特性規格が上記の通り変更されます。

注記)

1. 本資料は英語原文(一部)の日本語訳になりますが、TIの公式文書はあくまで英語原文になります。英語原文と日本語訳に齟齬がある場合には、英語原文が優先されます。
2. 上記項目以外、本資料に日本語訳が記載されていない項目については英語原文を参照ください。

原文のみ記載の項目例：

- **Proposed 1st Ship Date** (変更品出荷開始予定日)
- **Last date to order/Last date to ship** (最終受注日/最終出荷日)
- **Estimated Sample Availability** (サンプル入手可能予定時期)
- **Change Type** (変更項目タイプ)
- **Changes to product identification resulting from this PCN** (本変更による製品識別の変更)
- **Product Affected** (対象製品)
- **Qualification Data** (認定試験データ)
- **Appendix** (付属資料) 等