



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Notification# 20260427001.0

**Datasheet for TPS5410-Q1, TPS5420-Q1, TPS5430-Q1, TPS543x, and TPS5420
Information Only**

Date: April 27, 2026
To: PREMIER 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 Change Management team.

Sincerely,

Change Management Team
SC Business Services

20260427001.0
Information Only Datasheet
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
TPS5431DDAG4	NULL
TPS5430DDA	NULL

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

Notification Number:		20260427001.0	Notification Date:		April 27, 2026
Title:		Datasheet for TPS5410-Q1, TPS5420-Q1, TPS5430-Q1, TPS543x, and TPS5420			
Customer Contact:		Change Management team	Dept:		Quality Services
Change Type:		Electrical Specification			

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



SLVSA23B – SEPTEMBER 2009 – REVISED APRIL 2026

TPS5410-Q1

Changes from Revision A (January 2024) to Revision B (April 2026)

Page

- Updated the document title to include automotive specification.....1
- Deleted out of date SWIFT documentation link in the *Features*1
- Updated the ENA pin description by adding information about internal 1.5MΩ pullup resistor in *Pin Configuration and Functions*3
- Added table note 3 in Absolute Maximum Ratings section.....3
- Added table note 3 in Thermal Information section.....4
- Updated the *Detailed Description* section to comply with current standards.....8
- Added the *Overview* section.....8
- Deleted the 5uA current source and added a 1.5MΩ pullup resistor in the functional block diagram.....9
- Updated the *Enable (ENA) and Internal Slow Start* section by deleting current information and adding internal 1.5MΩ pullup resistor information.....9
- Added the *Device Functional Modes* section.....11
- Added the *Application and Implementation* section to comply with current standards.....12
- Added the *Application Information* section.....12
- Added the *Design Requirements* section.....19
- Added the *Detailed Design Procedure* section.....19
- Added the *Power Supply Recommendations* section.....22



SLVS752D – NOVEMBER 2007 – REVISED APRIL 2026

TPS5420-Q1

Changes from Revision C (January 2024) to Revision D (April 2026)

Page

- Updated the document title to include automotive specification.....1
- Deleted out of date SWIFT documentation link in the *Features*1
- Added WEBENCH link to the *Features*1
- Updated ENA pin description by adding information about internal 1.5MΩ pullup resistor in *Pin Configuration and Functions*3
- Added table note 3 in Absolute Maximum Ratings section.....3
- Added table note 3 in Thermal Information section.....4
- Updated the *Detailed Description* section to comply with current standards.....8
- Added the *Overview* section.....8
- Deleted the 5uA current source and added a 1.5MΩ pullup resistor in the functional block diagram.....9
- Updated *Enable (ENA) and Internal Slow Start* section by deleting current information and adding internal 1.5MΩ pullup resistor information.....9
- Added the *Device Functional Modes* section.....11
- Added the *Application and Implementation* section to comply with current standards.....12
- Added the *Application Information* section.....12
- Added *Custom Design With WEBENCH® Tools* section.....14
- Added the *Power Supply Recommendations* section.....23
- Added *Custom Design With WEBENCH® Tools* section.....25

Changes from Revision E (January 2024) to Revision F (April 2026)	Page
• Updated ENA pin description by adding information about internal 1.5M Ω pullup resistor in the <i>Pin Configuration and Functions</i> section.....	3
• Updated VIN pin description by adding information regarding the recommended distance of the bypass capacitor in <i>Pin Configuration and Functions</i>	3
• Added note to the Absolute Maximum table allowing BOOT to PH internally generated voltage up to 10V.....	4
• Updated table note 3 in Thermal Information section to include EVM theta JA.....	4
• Added text describing 1.5M Ω pullup resistor in ENA floating use case in <i>Overview</i>	8
• Deleted the 5uA current source and added a 1.5M Ω pullup resistor in the functional block diagram.....	9
• Updated the <i>Enable (ENA)</i> and <i>Internal Slow Start</i> section by deleting current information and adding internal 1.5M Ω pullup resistor information.....	9

Changes from Revision K (January 2024) to Revision L (April 2026)	Page
• Updated ENA pin description by adding information about internal 1.5M Ω pullup resistor in the <i>Pin Configuration and Functions</i> section.....	3
• Updated VIN pin description by adding information regarding the recommended distance of the bypass capacitor in <i>Pin Configuration and Functions</i>	3
• Added table note 3 to the Absolute Maximum table allowing BOOT to PH internally generated voltage up to 10V.....	4
• Updated table note 3 in Thermal Information section to include EVM theta JA.....	4
• Deleted the 5uA current source and added a 1.5M Ω pullup resistor in the functional block diagram.....	9
• Updated the <i>Enable (ENA)</i> and <i>Internal Slow Start</i> section by deleting current information and adding internal 1.5M Ω pullup resistor information.....	9

Changes from Revision F (January 2024) to Revision G (April 2026)	Page
• Updated ENA pin description by adding information about internal 1.5M Ω pullup resistor in <i>Pin Configuration and Functions</i>	3
• Updated VIN pin description by adding information regarding the recommended distance of the bypass capacitor in <i>Pin Configuration and Functions</i>	3
• Added table note 3 in Absolute Maximum Ratings section.....	4
• Added table note 3 in Thermal Information section.....	4
• Updated the <i>Detailed Description</i> section to comply with current standards.....	8
• Added the <i>Overview</i> section.....	8
• Deleted the 5uA current source and added a 1.5M Ω pullup resistor in the functional block diagram.....	9
• Updated <i>Enable (ENA)</i> and <i>Internal Slow Start</i> section by deleting current information and adding internal 1.5M Ω pullup resistor information.....	9
• Added the <i>Device Functional Modes</i> section.....	11
• Added the <i>Application and Implementation</i> section to comply with current standards.....	12
• Added the <i>Application Information</i> section.....	12
• Added the <i>Power Supply Recommendations</i> section.....	22

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS5410-Q1	SLVSA23A	SLVSA23B
TPS5420-Q1	SLVS752C	SLVS752D
TPS5430-Q1	SLVS751E	SLVS751F
TPS543x	SLVS632K	SLVS632L
TPS5420	SLVS642F	SLVS642G

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TPS5410-Q1>

<http://www.ti.com/product/TPS5420-Q1>

<http://www.ti.com/product/TPS5430-Q1>

<http://www.ti.com/product/TPS5430>

<http://www.ti.com/product/TPS5420>

Reason for Change:

To accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact.

Changes to product identification resulting from this PCN:

None.

Product Affected:

TPS5410QDRQ1	TPS5410QDRQ1.A	TPS5420QDRQ1	TPS5420QDRQ1.A
TPS5430QDDARQ1	TPS5430QDDARQ1.A	TPS5431DDARG4	TPS5431DDAR
TPS5430DDA	TPS5430DDAR	TPS5430DDAR.A	TPS5431DDAR.A
TPS5431DDA	TPS5431DDAR.B	TPS5430DDA.A	TPS5431DDAG4
TPS5431DDA.A	TPS5430DDAR.B	TPS5431DDA.B	TPS5430DDARG4
TPS5430DDA.B	TPS5430DDAG4	TPS5420D	TPS5420D.A
TPS5420DG4	TPS5420DR	TPS5420DR.A	TPS5420DRG4

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

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