

**Notification#20180215000A**  
**Datasheet for DRV10983, DRV10983Z**  
**Information Only**

**Correct: In some instances, the device list is incorrect on page 2. Rev A is being issued to correct those instances where the page 2 included the incorrect customer specific device list.**

**Date:** March 12, 2018  
**To:** MOUSER PCN

Dear Customer:

This is an information-only announcement of a change to the datasheet for 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](mailto:PCN_ww_admin_team@list.ti.com)).

Sincerely,

PCN Team  
SC Business Services

## 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.

<b>DEVICE</b>	<b>CUSTOMER PART NUMBER</b>
DRV10983PWP	null
DRV10983PWPR	null
DRV10983ZPWP	null
DRV10983ZPWPR	null

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

<b>PCN Number:</b>	20180215000A	<b>PCN Date:</b>	March 12, 2018
<b>Title:</b>	Datasheet for DRV10983, DRV10983Z		
<b>Customer Contact:</b>	PCN Manager	<b>Dept:</b>	Quality Services
<b>Change Type:</b>			
<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"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process

### 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.

TI is disabling Inductive AVS in default EEPROM.

Warning: Customers can enable Inductive AVS, but TI recommends not to enable feature, because it is not capable of preventing voltage surge in all cases.

TI strongly recommends new typical application schematics provided for Z (sleep mode) device.



DRV10983, DRV10983Z

SLVSCP6F – JULY 2014 – REVISED DECEMBER 2017

**Changes from Revision E (May 2017) to Revision F**

**Page**

• Added the internal SPEED pin pulldown resistance to ground parameter to the <i>Electrical Characteristics</i> table .....	8
• Changed the <i>Step-Down Regulator</i> section .....	12
• Updated the <i>Motor Phase Resistance</i> section .....	15
• Deleted the <i>Inductive AVS Function</i> section .....	35
• Changed the default value for register address 0x29 from 0xB7 to 0xB9 in the <i>Default EEPROM Value</i> table .....	41
• Added application information for the sleep mode device .....	46



DRV10983, DRV10983Z

SLVSCP6G – JULY 2014 – REVISED FEBRUARY 2018

**Changes from Revision F (December 2017) to Revision G**

**Page**

• Added timing information for entering and exiting sleep mode and standby mode .....	8
• Added BEMF COMPARATOR hysteresis specification .....	9
• Updated <i>Start the Motor Under Different Initial Conditions</i> figure .....	20
• Changed the default value for register address 0x27 from 0xFC to 0xF4 in the <i>Default EEPROM Value</i> table .....	42
• Deleted the "TI recommends..." sentence from the description for address 0x27, bit 3 .....	45
• Added constraints to recommended external inductor .....	48

The datasheet number will be changing.

Device Family	Change From:	Change To:
DRV10983, DRV10983Z	SLVSCP6E	SLVSCP6G

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/DRV10983>

**Reason for Change:**

To 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:**

DRV10983PWP	DRV10983PWPR	DRV10983ZPWP	DRV10983ZPWPR
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For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

<b>Location</b>	<b>E-Mail</b>
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
Japan	<a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>