

PCN Number:	20141020000	PCN Date:	11/05/2014
Title:	TCA4311A Rise-Time Accelerator Specification and other changes		
Customer Contact:	PCN Manager	Phone:	+1(214) 480-6037
Change Type:		Dept:	Quality Services
	<input checked="" type="checkbox"/> Data Sheet		

PCN Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated per the following revision history summary:

Changes from Revision A (July 2012) to Revision B

Page

- Handling Rating table, Feature Description section, Device Functional Modes, Application and Implementation section, Power Supply Recommendations section, Layout section, Device and Documentation Support section, and Mechanical, Packaging, and Orderable Information section. 1
 - [Modified the maximum V_{IL} recommended operating condition](#)

V _{IL}	Low-level input voltage	SDA and SCL inputs ⁽¹⁾	-0.5	0.4	V
		EN input	-0.5	0.8	

(1) In certain circumstances, devices must be able to drive the input voltage low while sinking current from the rise time accelerators of the TCA4311A (see I_{PULLUPAC} in [Electrical Characteristics](#)).

- Changed the TCA4311A RTA Specification. 1

Rise-Time Accelerators					
I _{PULLUPAC}	Transient boosted pull-up current	Positive transition on SDA, SCL, V _{CC} = 2.7 V,	1	8	mA

The datasheet number will be changing.

Device Family	Change From:	Change To:
TCA4311A	SCPS226A	SCPS226B

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/tca4311a?qqpn=tca4311a>

Reason for Change:

Update specification for rise time accelerator (RTA) current strength, I_{PULLUPAC}, and modify recommended operating condition for V_{IL} needed to turn off the rise-time accelerators (RTAs)

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

No impact to clarification on Fit, Form, Function, Quality or Reliability. This is a clarification of a recommended operating condition and a related electrical specification.

Changes to product identification resulting from this PCN:

None.

Product Affected:

TCA4311AD	TCA4311ADGKR	TCA4311ADR
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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.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
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