



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN# 20160427000**  
**Datasheet for PCA9306**  
**Change Notification**

**Date:** 6/9/2016  
**To:** TOKYO ELECTRON DEVICE (DSTR) PCN

Dear Customer:

This is a notice of change to a product data sheet for a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

We request you acknowledge receipt of this notification within **30** days of the date of this notice.

The proposed first ship date is indicated on page 3 of this notification, unless customer agreement has been reached on an earlier implementation of the change.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

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

**20160427000**  
**Data Sheet Change Notification**  
**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>
PCA9306DCUR	null
PCA9306DCUT	null
PCA9306DCTR	null
PCA9306DCTT	null
PCA9306DQER	null

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

<b>PCN Number:</b>	20160427000		<b>PCN Date:</b>	6/9/2016
<b>Title:</b>	Datasheet for PCA9306			
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services	
<b>Proposed 1<sup>st</sup> Ship Date:</b>				
<b>Change Type:</b>				
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet	<input type="checkbox"/>
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site	<input type="checkbox"/>
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>
				<input type="checkbox"/>
				Wafer Bump Site
				Wafer Bump Material
				Wafer Bump Process
				Wafer Fab Site
				Wafer Fab Materials
				Wafer Fab Process

## PCN Details

### Description of Change:

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

The following change history provides further details.



**PCA9306**

SCPS113L –OCTOBER 2004–REVISED APRIL 2016

#### Changes from Revision K (October 2014) to Revision L

Page

• Changed "ON-State Connection " to "ON-State Resistance" .....	1
• Deleted machine model ESD rating .....	1
• Added "bus" following "100-kHz" in the last sentence of the <i>Description</i> section .....	1
• Changed body-size dimensions in the <i>Device Information</i> table .....	1
• Replaced pinout diagrams .....	3
• Added I/O column to the <i>Pin Functions</i> table .....	3
• Deleted RVH package from <i>Pin Configuration and Functions</i> section .....	3
• Moved $T_{slg}$ from <i>Handling Ratings</i> to <i>Absolute Maximum Ratings</i> .....	4
• Changed <i>Handling Ratings</i> to <i>ESD Ratings</i> .....	4
• Added a note following the <i>Electrical Characteristics</i> table .....	5
• Added <a href="#">Figure 4</a> to the <i>Parameter Measurement Information</i> section .....	7
• Changed <a href="#">Figure 5</a> .....	7
• Changed "repeater" to "level shifter" in second paragraph of the <i>Overview</i> section .....	8
• Changed the <a href="#">Design Requirements</a> table .....	11
• Deleted the bottommost row of the <i>Design Requirements</i> table .....	11
• Corrected equation from $f_{knee} = 0.5 / RT$ (10%–80%) to $f_{knee} = 0.5 / RT$ (10%–90%) .....	12

The datasheet number will be changing.

Device Family	Change From:	Change To:
PCA9306	SCPS113K	<b>SCPS113L</b>

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/PCA9306>

### Reason for Change:

To more accurately reflect device characteristics.

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

Electrical specification performance changes as indicated above.

<b>Changes to product identification resulting from this PCN:</b>			
None.			
<b>Product Affected:</b>			
PCA9306DCTR	PCA9306DCTRE4	PCA9306DCTRG4	PCA9306DCTT
PCA9306DCTTE4	PCA9306DCTTG4	PCA9306DCUR	PCA9306DCURE4
PCA9306DCURG4	PCA9306DCUT	PCA9306DCUTE4	PCA9306DCUTG4
PCA9306DQER	PCA9306YZTR		

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>