

<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"/>	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"/>	Wafer Bump Site
		<input type="checkbox"/>	Wafer Bump Material
		<input type="checkbox"/>	Wafer Bump Process
		<input type="checkbox"/>	Wafer Fab Site
		<input type="checkbox"/>	Wafer Fab Materials
		<input type="checkbox"/>	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 $T_{stg}$ 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>
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