



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20241217015.0
Datasheet for PCA9557
Information Only Datasheet**

Date: December 18, 2024
To: MOUSER 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


20241217015.0
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
PCA9557DBR	595-PCA9557DBR
PCA9557DGVR	PCA9557DGVR
PCA9557DBR	PCA9557DBR
PCA9557RGYR	PCA9557RGYR

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

PCN Number:	20241217015.0		PCN Date:	December 18, 2024																		
Title:	Datasheet for PCA9557																					
Customer Contact:	Change Management team	Dept:	Quality Services																			
Change Type:	Electrical Specification																					
PCN Details																						
Description of Change:																						
<p>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.</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;">  <p>TEXAS INSTRUMENTS</p> </div> <div style="text-align: right;"> <p>PCA9557</p> <p>SCPS133K – DECEMBER 2005 – REVISED DECEMBER 2024</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Changes from Revision J (May 2014) to Revision K (December 2024)</th> <th style="text-align: right;">Page</th> </tr> </thead> <tbody> <tr> <td>• Changed the numbering format for tables, figures, and cross-references throughout the document.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Moved Storage Temperature Range row from <i>ESD Ratings</i> table to <i>Absolute Maximum Ratings</i> table.....</td> <td style="text-align: right;">6</td> </tr> <tr> <td>• Updated V_{IH} from 2.0V to 2.2V.....</td> <td style="text-align: right;">6</td> </tr> <tr> <td>• Add V_{IL} parameter for RESET</td> <td style="text-align: right;">6</td> </tr> <tr> <td>• Updated <i>Thermal Information</i> values for D, PW and RGV packages.....</td> <td style="text-align: right;">7</td> </tr> <tr> <td>• Updated <i>I²C Timing Requirements</i> table.....</td> <td style="text-align: right;">8</td> </tr> <tr> <td>• Add t_W parameter for 2.5V voltage condition.....</td> <td style="text-align: right;">9</td> </tr> <tr> <td>• Changed the Command Byte From: 00000001/0 To: 00000011/0 in the <i>Write Configuration or Polarity Inversion Registers</i> figure.....</td> <td style="text-align: right;">22</td> </tr> </tbody> </table>					Changes from Revision J (May 2014) to Revision K (December 2024)	Page	• Changed the numbering format for tables, figures, and cross-references throughout the document.....	1	• Moved Storage Temperature Range row from <i>ESD Ratings</i> table to <i>Absolute Maximum Ratings</i> table.....	6	• Updated V _{IH} from 2.0V to 2.2V.....	6	• Add V _{IL} parameter for RESET	6	• Updated <i>Thermal Information</i> values for D, PW and RGV packages.....	7	• Updated <i>I²C Timing Requirements</i> table.....	8	• Add t _W parameter for 2.5V voltage condition.....	9	• Changed the Command Byte From: 00000001/0 To: 00000011/0 in the <i>Write Configuration or Polarity Inversion Registers</i> figure.....	22
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<p>The datasheet number will be changing.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Device Family</td> <td style="width: 33%;">Change From:</td> <td style="width: 33%;">Change To:</td> </tr> <tr> <td>PCA9557</td> <td>SCPS133J</td> <td>SCPS133K</td> </tr> </table>					Device Family	Change From:	Change To:	PCA9557	SCPS133J	SCPS133K												
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<p>These changes may be reviewed at the datasheet links provided. http://www.ti.com/product/PCA9557</p>																						
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:																						
PCA9557DB	PCA9557DBR	PCA9557DGVR	PCA9557DR																			

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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