



Customer Information Notification

2022060231 : PCA9509P Data Sheet Max Vih Change

Note: This notice is NXP Company Proprietary.

Issue Date: Jul 29, 2022 **Effective date:** Jul 30, 2022

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Management summary

Changed PCA9509P max Vih specification to clearly indicate A Port, B Port and Enable pins are over voltage tolerant to 5.5V.

Change Category

<input type="checkbox"/> Wafer Fab Process	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Test Process	<input type="checkbox"/> Design
<input type="checkbox"/> Wafer Fab Materials	<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Equipment	<input type="checkbox"/> Errata
<input type="checkbox"/> Wafer Fab Location	<input type="checkbox"/> Assembly Location	<input type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Location	<input checked="" type="checkbox"/> Electrical spec./Test coverage
<input type="checkbox"/> Firmware	<input type="checkbox"/> Other			

PCN Overview

Description

Changed PCA9509P max Vih specification to clearly indicate A Port, B Port and Enable pins are over voltage tolerant to 5.5V.

There is no change to device or test coverage.

This is only a clarification to current documentation.

Updated data sheet posted on NXP.com www.nxp.com/docs/en/data-sheet/PCA9509P.pdf

Reason

PCA9509P recommended static characteristics Table 6 max Vih specification for A Port, B Port and Enable are the normal value if pull ups are connected to device supply.

Table 6 max Vih voltage is being changed to clearly show the pins are over voltage tolerant.

Port A from Vcc(A) to 5.5V, Port B from Vcc(B) to 5.5V and Enable from Vcc(B) to 5.5V.

Identification of Affected Products

Product identification does not change

Anticipated Impact on Form, Fit, Function, Reliability or Quality

No Impact on form, fit, function, reliability or quality

Data Sheet Revision

A new datasheet will be issued

Disposition of Old Products

Not applicable.

Additional information

Additional documents: [view online](#)

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

For specific questions on this notice or the products affected please contact our specialist directly:

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NXP Quality Management Team.

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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
PCA9509PGM,125	935297954125	PCA9509PGM	LowPwr lvl xltng 12Cbus/SMBus rptr	(X)QFN8U	SOT902-2	RFS	No	BLC6
PCA9509PDP,118	935297955118	PCA9509PDP	LowPwr lvl xltng 12Cbus/SMBus rptr	(T)SSOP8	SOT505-1	RFS	No	BLC6