



Customer Information Notification

201805026I

Issue Date: 26-May-2018

Effective Date: 27-May-2018

Here's your personalized quality information concerning products Digi-Key purchased from NXP. For detailed information we invite you to view this notification online



QUALITY

Management Summary

Data sheet limits have been updated for PCA9509A and PCA9509P.

Change Category

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

Data Sheet Update for PCA9509A and PCA9509P Devices

Description

Data sheet limits have been updated as follows:

PCA9509A:

Table 6: Static characteristics:

VCC(A) max increased from 1.5 V to 2.0 V

ICC(A) max increased from 12uA to 16 uA

Table 7: Dynamic characteracter

tPLH port B to port A max increased from 257 ns to 451 ns

tPLH port A to port B max increased from -228 ns to -269 ns

PCA9509P:

Figure 13, Figure 14 and Figure 15 have Vcc(A) extended to 2.0v..

Table 6 Static characteristics:
VCC(A) max increased to 2.0 V
ICC(A) max increased to 16 uA

Reason

PCA9509A and PCA9509P A Port VCC range was changed from 0.8 to 1.5V to 0.8 to 2.0V to accommodate customers who required the device to work at 1.8V.

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

Existing inventory will be shipped until depleted

Remarks

There is no change to the product. This is a data sheet change only.

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:

Name Dennis Dill
Position QA Engineer
e-mail address dennis.dill@nxp.com

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Customer Focus, Passion to Win.

NXP Quality Management Team.

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	New Orderable Part#	New part 12NC	New Part number	New part description	Product Line
PCA9509PDP,118	935297955118	PCA9509PDP	LowPwr lvl xltng I2Cbus/SMBus rptr	SOT505-1	TSSOP8	RFS	PCA9509PDP,118	935297955118	PCA9509PDP	LowPwr lvl xltng I2Cbus/SMBus rptr	BL SECURE INTERFACES & POWER