



## Customer Information Notification

202205003I : NVT4858 Data Sheet Update to Support 1.2V Operation

**Note:** This notice is NXP Company Proprietary.

**Issue Date:** Oct 19, 2022 **Effective date:** Oct 20, 2022

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### Management summary

Recharacterized NVT4858 SD, SDIO, mini SD, micro SD and SIM card voltage level translator with EMI filter and ESD protection to support 1.2V in addition to the existing 1.8V host operation

### 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

Section 2: Removed text regarding "no external resistors required" and "External ESD diodes are not required"

Table 11:

Host-side input signals: Changed 0.7 to 0.65 for VIH min; changed 0.3 to 0.35 for VIL max  
Changed Cch channel capacitance to CI capacitance for each I/O pin

### Reason

External resistors and ESD diodes are optional based on customer application requirements  
Industry request for lower 1.2V voltage host operation which required Host-side input signals VIH min changed from 0.7 to 0.65 and VIL max changed from 0.3 to 0.35  
To conform to normal symbol for I/O pin capacitance

### 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

New Final Test limits for 0.65 Vih and 0.35 Vil Host-side input signals to support 1.2V host operations was implemented Date Code 2231.

### **Additional information**

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Additional documents: [view online](#)

### **Remarks**

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Updated NVT4858 data sheet can be downloaded from <https://www.nxp.com/docs/en/data-sheet/NVT4858DS.pdf>

### **Contact and Support**

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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:

<b>Name</b>	Bob Gee
<b>Position</b>	International Product Marketing Manager
<b>e-mail address</b>	<a href="mailto:bob.gee@nxp.com">bob.gee@nxp.com</a>

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NXP Semiconductors  
High Tech Campus, 5656 AG Eindhoven, The Netherlands

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