



Final Product Change Notification

201901012F01

Issue Date: 02-Feb-2019

Effective Date: 03-May-2019

Dear *Tracy Hoglin*,

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

This notice is NXP Company Proprietary.



QUALITY

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 | | | |

eXtreme Switch MC12XS6 and MC32XSG Device Family Data Sheet Updates Proposal: Modification of Pull-up and Pull-down Resistor

Description of Change

NXP Semiconductors proposes a data sheet update for the eXtreme Switch products associated with this notification for specific pull-up / pull-down resistor values. In order to improve product capability, NXP proposes the following specification value updates for pull-up resistor on CSB, and pull-down resistor on Out6:

1. Increase CSB pull-up resistor Max value from 20KOhm to 30KOhm
2. Increase Out6 pull-down resistor Max value from 100KOhm to 130KOhm

The new proposed values have been evaluated versus applications conditions and are considered low risk. The attached presentation shows the specification extract associated to these parameters.

The new resistor value changes will be incorporated in the next data sheet specification revisions.
The current data sheet specification revisions are shown here:

- MC12XS6D1 Rev 5.0
- MC12XS6D2 Rev 3.0
- MC12XS6D3 Rev 5.0
- MC12XS6D4 Rev 4.0
- MC32XSG Rev 3.0

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-01.

Reason for Change

Proposed specification update, increase Max parameter value, to improve product capability.

Identification of Affected Products

Product identification does not change.

Shipment of products tested with updated limits are expected to occur upon PCN acceptance.

Product Availability

Sample Information

Not applicable

Production

Planned first shipment 03-May-2019

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

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by 04-Mar-2019.

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 Antoine Storez
Position Quality Engineer
e-mail address antoine.storez@nxp.com

At NXP Semiconductors we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.

Customer Focus, Passion to Win.

NXP Quality Management Team.

About NXP Semiconductors

NXP Semiconductors N.V. (NASDAQ: NXPI) provides High Performance Mixed Signal and Standard Product solutions that leverage its leading RF, Analog, Power Management, Interface, Security and Digital Processing expertise. These innovations are used in a wide range of automotive, identification, wireless infrastructure, lighting, industrial, mobile, consumer and computing applications.

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NXP Semiconductors

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
MC17XS6400BEK	934070559574	MC17XS6400BEK	Quad High Side Switch	SOT1746-2	HSOP32	RFS	eSwitch
MC07XSG517EK	934070638574	MC07XSG517EK	T07D17 qualified reel	SOT1747-2	HSOP54	RFS	eSwitch
MC08XS6421BEK	934070614574	MC08XS6421BEK	Quad High Side Switch	SOT1746-4	HSOP32	RFS	eSwitch
MC17XSG500EK	934070677574	MC17XSG500EK	Penta High Side Switch	SOT1746-2	HSOP32	RFS	eSwitch
MC07XS6517BEKR2	934070509518	MC07XS6517BEK	Penta2 High Side Switch	SOT1747-2	HSOP54	RFS	eSwitch
MC17XS6500BEK	934070631574	MC17XS6500BEK	Penta High Side Switch	SOT1746-2	HSOP32	RFS	eSwitch