



Final Product Change Notification

201705002F01

Issue Date: 17-Aug-2017
Effective Date: 14-Nov-2017

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

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 |

MPC5748G, Maskset 1N81M and 0N78S
Analog Comp Prop Delay Relaxation

Details of this Change

NXP Semiconductor announces the update of the Analog Comparator specification in the Datasheet Rev4 for MPC5748G, maskset 1N81M and 0N78S.

Specifically, the specification called Propagation Delay, Low power mode (Full swing) will change from a maximum value of 14us to a maximum value of 21us. This specification can be found in Table 22 (Comparator and 6 bit DAC electrical specifications). The symbol is tDLS. The description of the symbol is Propagation Delay, Low power Mode (Full Swing).

Once Notification is effective the datasheet will be updated to MPC5748G Rev5. It will be located at http://www.nxp.com/search?proxystylesheet=nxp_search_style_fe&oe=UTF-8&ie=UTF-8&ud=1&output=xml_no_dtd&exclude_apps=1&callback=ss_show&lang_cd=en&filter=0&getfields=*&baseUrl=/www.nxp.com/webapp&SEARCH_OPERATOR=Contains&attempt=-1&rc=1&hl=en&ulang=en&ip=192.88.168.1&access=p&entqr=3&entqrm=0&entsp=a&wc=200&wc_mc=1&sort=date:D:L:d1&site=nxp_en&client=nxp_search_documents&q=mpc5748g+inmeta:Asset_Type%3DDocuments&navs=inmeta:Asset_Type%3DDocuments.

Preliminary datasheet is attached.

Why do we Implement this Change

This value reflects the actual distribution of the product performance and is required to preserve manufacturability efficiencies.

Identification of Affected Products

Product identification does not change

Product Availability

Sample Information

Not applicable

Production

Planned first shipment 14-Nov-2017

Impact

no impact to the product's functionality anticipated.

Relaxation of this specification is not anticipated to cause performance degradation within the customer application.

Data Sheet Revision

A new datasheet will be issued

Disposition of Old Products

No impact to disposition of existing inventory.

Timing and Logistics

Your acknowledgement of this change, conform JEDEC JESD46 D, is expected till 16-Sep-2017.

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 Paul Oates

Position Customer Program Management Automotive Microcontrollers and Processors

e-mail address paul.oates@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.

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NXP Semiconductors

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Name	Status	Product Line
SPC5748GGK1MMJ6	935316302557	SPC5748GGK1MMJ6	32 BIT,6MB FLASH,768 RAM	LBGA256	RFS	BL Auto Micro Processors
SPC5748GK1MMJ6	935312772557	SPC5748GK1MMJ6	32 BIT,6MB FLASH,768 RAM	LBGA256	RFS	BL Auto Micro Processors
SPC5748GK1MMN6	935316042557	SPC5748GK1MMN6	32 BIT,6MB FLASH,768 RAM	LBGA324	CQS	BL Auto Micro Processors
SPC5748GK1MKU6	935322387557	SPC5748GK1MKU6	32 BIT,6MB FLASH,768 RAM	HLQFP176	CQS	BL Auto Micro Processors