



Customer Information Notification

2023010201 : Programmable Solenoid Controller Data Sheet Updates: MC33816 New Orderable Part Numbers and Technical Clarifications / PT2001 Technical Corrections

Note: This notice is NXP Company Proprietary.

Issue Date: Mar 02, 2023 **Effective date:** Mar 03, 2023

Here is your personalized notification about a NXP general announcement.
For detailed information we invite you to [view this notification online](#)

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 type="checkbox"/> Electrical spec./Test coverage |
| <input type="checkbox"/> Firmware | | | | |
| <input checked="" type="checkbox"/> Other: Data Sheet Updates (New Orderable Part Numbers, Technical Clarifications and Corrections) | | | | |

PCN Overview

Description

NXP Semiconductors announces data sheet updates for the MC33816 and MC33PT2001 Programmable Solenoid Controller devices associated with this notification.
The revision history included in each updated document provides a detailed description of the changes.
Changes are also captured below.

New MC33816 revision 10.0 data sheet changes:

1. Part Number MC33816MAE added with additional Measurement Function feature
2. Added Measurement function electrical characteristics (MC33816MAE only)
3. Table 76: "Measurement function output noise": Changed unit for Out_OAx_noise to "µV" from "mV"

New MC33816 revision 10.0 data sheet is attached to this notification, and can be accessed at:
<https://www.nxp.com/docs/en/data-sheet/MC33816.pdf>

New MC33PT2001 revision 10.1 data sheet changes:

1. Table 23: Changed unit for Out_OAx_noise to "µV" from "mV"

New MC33PT2001 revision 10.1 data sheet can be accessed at NXP Secure DocStore:
<https://www.docstore.nxp.com/products/product-hierarchy?query=PT2001#button-filter-group->

[kind:selected=.objectMetadata|paging:currentPage=0|paging:number=12](#)

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-02

Reason

MC33816 and MC33PT2001 data sheets have been updated to include new orderable part numbers, and for technical clarifications and corrections.

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

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:

Name	Philippe Meunier
Position	System and Applications Engineering
e-mail address	P.Meunier@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.

You have received this email because you are a designated contact or subscribed to NXP Quality Notifications. NXP shall not be held liable if this Notification is not correctly distributed within your organization.

This message has been automatically distributed. Please do not reply.

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

© 2006-2023 NXP Semiconductors. All rights reserved.