Customer Information Notification

202301020I : 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**

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[ ]Firmware	[X]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:

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:

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NXP Quality Management Team.

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Orderable Part Number#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
MC33816AER2	935311309528	MC33816AER2	eMGS625D	H(L)QFP64	SOT1510-1	RFS	No	BLC3
MC33816AE	935311309557	MC33816AE	eMGS625D	H(L)QFP64	SOT1510-1	RFS	No	BLC3
MC33816MAE	935441502557	MC33816MAE	eMGS625D	H(L)QFP64	SOT1510-1	RFS	No	BLC3
MC33816MAER2	935441502528	MC33816MAER2	eMGS625D	H(L)QFP64	SOT1510-1	RFS	No	BLC3
MC33PT2001AE	935382378557	MC33PT2001AE	PSC10	H(L)QFP64	SOT1510-1	RFS	No	BLC3
MC33PT2001AER2	935382378528	MC33PT2001AER2	PSC10	H(L)QFP64	SOT1510-1	RFS	No	BLC3
MC33PT2001HAE	935399591557	MC33PT2001HAE	PSC10	H(L)QFP64	SOT1510-1	RFS	No	BLC3
MC33PT2001HAER2	935399591528	MC33PT2001HAER2	PSC10	H(L)QFP64	SOT1510-1	RFS	No	BLC3
MC33PT2001HMAER2	935399593528	MC33PT2001HMAER2	PSC10	H(L)QFP64	SOT1510-1	RFS	No	BLC3
MC33PT2001HMAE	935399593557	MC33PT2001HMAE	PSC10	H(L)QFP64	SOT1510-1	RFS	No	BLC3
MC33PT2001MAE	935386547557	MC33PT2001MAE	PSC10	H(L)QFP64	SOT1510-1	RFS	No	BLC3
MC33PT2001MAER2	935386547528	MC33PT2001MAER2	PSC10	H(L)QFP64	SOT1510-1	RFS	No	BLC3