



Customer Information Notification

202205014I : MC33PT2001 and MC33PT2000 Data Sheet Updates (Counter Prescaler Corrections Only)

Note: This notice is NXP Company Proprietary.

Issue Date: May 27, 2022 **Effective date:** May 28, 2022

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Change Category

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|--|--|--|--|---|
| <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 |
- Firmware Other: Data Sheet Update (Technical Corrections)

PCN Overview

Description

NXP Semiconductors announces data sheet updates for the MC33PT2001 and MC33PT2000 Programmable Gate Driver IC 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 MC33PT2001 Revision 10.0 Data Sheet Changes:

Table 87

- Changed prescaler of 1100 to 13 from 14
- Changed prescaler of 1101 to 14 from 16
- Changed prescaler of 1110 to 15 from 32
- Changed prescaler of 1111 to 16 from 64

New MC33PT2000 Revision 13.0 Data Sheet Changes:

Table 76

- Changed prescaler of 1100 to 13 from 14
 - Changed prescaler of 1101 to 14 from 16
 - Changed prescaler of 1110 to 15 from 32
 - Changed prescaler of 1111 to 16 from 64
- Typo in example for Table 76: Changed counter_4_per_uc1 = 0010b from counter_4_per_uc1 = 0001b

** Documentation changes only for technical corrections - absolutely no changes to the device / product **

New MC33PT2001 Revision 10.0 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>

New MC33PT2000 Revision 13.0 Data Sheet is attached to this notification, and can be accessed at: <https://www.nxp.com/docs/en/data-sheet/MC33PT2000.pdf?pspll=1>

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

Reason

MC33PT2001 and MC33PT2000 data sheets are updated to correct errors within the counter prescaler tables only.

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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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
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
MC33PT2001HMAE	935399593557	MC33PT2001HMAE	PSC10	H(L)QFP64	SOT1510-1	RFS	No	BLC3
MC33PT2001HMAER2	935399593528	MC33PT2001HMAER2	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
MC33PT2000AF	935318721557	MC33PT2000AF	eMGS3325	H(L)QFP80	SOT1572-1	RFS	No	BLC3
MC33PT2000AFR2	935318721528	MC33PT2000AFR2	eMGS3325	H(L)QFP80	SOT1572-1	RFS	No	BLC3