



Customer Information Notification

202102036I : Power Management IC Data Sheet Updates for Output Accuracy Spec Improvement and Clarifications

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Issue Date: Feb 26, 2021 **Effective date:**Feb 27, 2021

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PCN Overview

Description

NXP Semiconductors announces data sheet updates for the PF8100_PF8200, PF8101_PF8201 and PF8121 family devices, including all applicable derivative products, associated with this notification.

The new data sheet revisions provide updated specification information and clarifications, including the tightening of the output accuracy specification on all Type 1 switching regulators, as well as increasing the storage temperature range.

The revision history included in the updated documents provides a detailed description of the changes. Changes are summarized below.

PF8100_PF8200, PF8101_PF8201, and PF8121 Data Sheet Change Summary:

1. Output accuracy of the Type 1 Buck regulators (SW1 - SW6) is split in four operating ranges to allow tighter accuracy at higher output voltage configuration. Output voltages from 0.8V to 1.0V provide a specification improvement from +/-2.0% to +/-1.5% output accuracy.
2. The minimum storage temperature is extended from -40C to -55C.
3. Figure 21 is corrected to depict the proper behavior of the XFAILB when the PWRON pin is still asserted low.

** Documentation changes only for tighter (better) switching regulator output accuracy, storage temperature, and technical clarifications, corrections - absolutely no changes to the device / product

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PF8100_PF8200 new revision 11.0 data sheet is attached to this notice and is available at:

https://www.nxp.com/docs/en/data-sheet/PF8100_PF8200.pdf

PF8101_PF8201 new revision 4.0 data sheet is attached to this notice and is available at:

https://www.nxp.com/docs/en/data-sheet/PF8101_PF8201.pdf

PF8121 new revision 5.0 data sheet is attached to this notice and is available at:

<https://www.nxp.com/docs/en/data-sheet/PF8121.pdf>

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

Reason

Switching regulator accuracy specification is tightened to provide specification improvement on output voltages from 0.8 to 1.0V. Storage temperature range is increased to provide improvement on the minimum temperature. XFAILB figure is corrected.

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

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NXP Quality Management Team.

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Changed OPN	12NC	Changed OPN	12NC	Changed OPN	12NC
MC32PF8100A0ES	935371822557	MC34PF8100CHEP	935383913557	MC33PF8200A0ES	935354251557
MC32PF8100A0ESR2	935371822528	MC34PF8100CHEPR2	935383913528	MC33PF8200A0ESR2	935354251528
MC33PF8100A0ES	935354255557	MC34PF8100EPEP	935384684557	MC33PF8200CXES	935382504557
MC33PF8100A0ESR2	935354255528	MC34PF8100EPEPR2	935384684528	MC33PF8200CXESR2	935382504528
MC33PF8100CCES	935375822557	MC34PF8100EQEP	935384682557	MC33PF8200D2ES	935382409557
MC33PF8100CCESR2	935375822528	MC34PF8100EQEPR2	935384682528	MC33PF8200D2ESR2	935382409528
MC33PF8100CFES	935375839557	MC34PF8100EREP	935384679557	MC33PF8200DBES	935382424557
MC33PF8100CFESR2	935375839528	MC34PF8100EREPR2	935384679528	MC33PF8200DBESR2	935382424528
MC33PF8100CHES	935382407557	MC34PF8100F3EP	935386358557	MC33PF8200DEES	935376115557
MC33PF8100CHESR2	935382407528	MC34PF8100F3EPR2	935386358528	MC33PF8200DEESR2	935376115697
MC33PF8100EAES	935385412557	MC34PF8100FJEP	935400487557	MC33PF8200DFES	935376117557
MC33PF8100EAESR2	935385412528	MC34PF8100FJEPR2	935400487528	MC33PF8200DFESR2	935376117697
MC33PF8100EPES	935384542557	MC33PF8101A0ES	935368343557	MC33PF8200DHES	935382397557
MC33PF8100EPESR2	935384542528	MC33PF8101A0ESR2	935368343528	MC33PF8200DHESR2	935382397528
MC33PF8100EQES	935384736557	MC34PF8101A0EP	935383915557	MC33PF8200DMES	935383341557
MC33PF8100EQESR2	935384736528	MC34PF8101A0EPR2	935383915528	MC33PF8200DMESR2	935383341528
MC33PF8100ERES	935384516557	MC34PF8101A0ES	935371831557	MC33PF8200DNES	935383343557
MC33PF8100ERESR2	935384516528	MC34PF8101A0ESR2	935371831528	MC33PF8200DNESR2	935383343528
MC33PF8100F3ES	935387936557	MC32PF8121A0EP	935383505557	MC33PF8200EMES	935385416557
MC33PF8100F3ESR2	935387936528	MC32PF8121A0EPR2	935383505528	MC33PF8200EMESR2	935385416528
MC33PF8100FJES	935392269557	MC32PF8121EUEP	935386336557	MC33PF8200ESES	935384743557
MC33PF8100FJESR2	935392269528	MC32PF8121EUEPR2	935386336528	MC33PF8200ESESR2	935384743528
MC34PF8100A0EP	935383793557	MC32PF8121F1EP	935385549557	MC33PF8200ETES	935384741557
MC34PF8100A0EPR2	935383793528	MC32PF8121F1EPR2	935385549528	MC33PF8200ETESR2	935384741528
MC34PF8100CCEP	935383795557	MC32PF8121F2EP	935385547557	MC33PF8201A0ES	935368347557
MC34PF8100CCEPR2	935383795528	MC32PF8121F2EPR2	935385547528	MC33PF8201A0ESR2	935368347528
MC34PF8100CFEP	935383802557	MC32PF8121G5EP	935400189557		
MC34PF8100CFEPR2	935383802528	MC32PF8121G5EPR2	935400189528		