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Issue Date: 15-Aug-2019
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MPC5510 Datasheet Revision Update to Rev5

Description

NXP Semiconductors announces a data sheet update for MPC5510 to revision 5.
In the new data sheet revision, a footnote as below was added under Table 10 and Table 11:

"Oscillator circuit performance is highly dependent on application requirements and board layout. Therefore, NXP strongly recommends selecting appropriate values for oscillator circuit components based on a board characterization performed by the crystal manufacturer. Application note AN12442, provides an example method for analyzing oscillator circuit functionality".

The MPC5510 data sheet revision 5 is attached to this notice, and can be found at:
https://www.nxp.com/products/processors-and-microcontrollers/power-architecture-processors/mpc5xxx-55xx-32-bit-mcus/mpc55xx-mcus/32-bit-mcu-for-body-electronics-applications:MPC5510?tab=Documentation_Tab

Corresponding ZVEI Delta Qualification Matrix ID: SEM-DS-02.
Reason
The data sheet has been updated to provide additional technical clarification on some device features.
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

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.

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Affected Part Numbers	Affected 12NC
SPC5516EAVLQ66R	935310043528
SPC5517EAVLU66	935310059557
SPC5517EBVLQ66R	935324312528
SPC5517EBMLQ66	935320243557
SPC5517SBMLQ66	935321396557
SPC5516EAVMG80	935314333557