

CN19029: PolarFire FPGA TVS Powerdown Notification

December 18, 2019

Description of Change

The Powerdown TVS sensor between conversions feature of the PolarFire Temperature-Voltage Sensor (TVS) is being deprecated from the TVS module.

Reason for Change

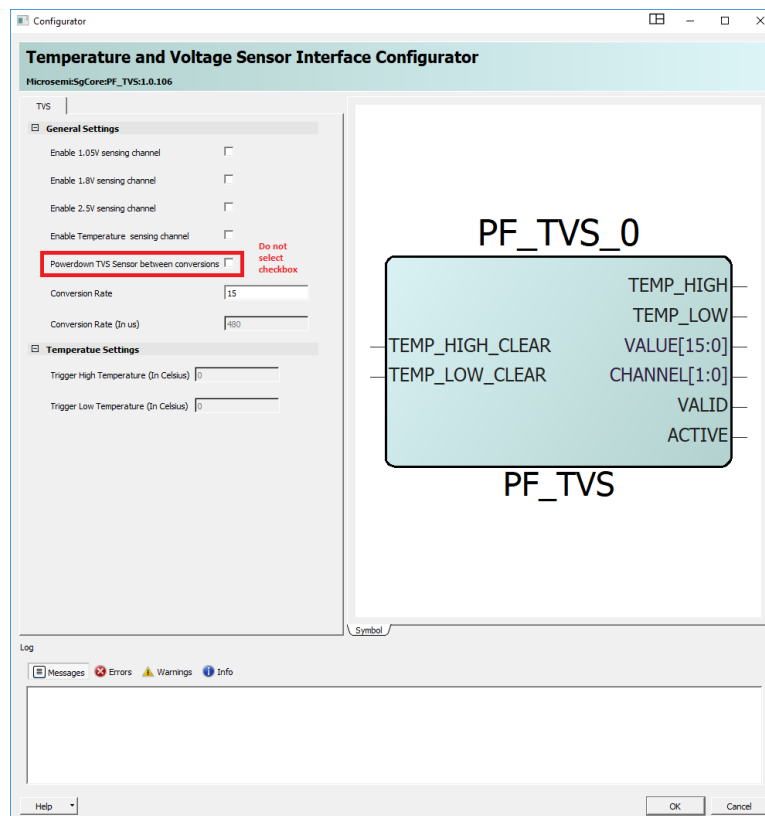
The Powerdown TVS sensor between conversions feature has been found to be ineffective given its intended design purpose and will no longer be supported in the software.

Application Impact

In designs prior to Libero SoC 12.4 using the TVS module, the Powerdown TVS Sensor between Conversions feature should not be enabled in the TVS Configurator GUI. The TVS module becomes inoperable if this feature is enabled.

Action Required

- While configuring the software prior to Libero SoC 12.4, do not use the Powerdown TVS Sensor between Conversions feature as shown in the following Libero TVS Configurator window.



- In post Libero SoC 12.4 release, the PF_TVSS core from the IP catalog no longer includes the Powerdown TVS Sensor between Conversions feature.

See [Libero SoC release notes](#) for the latest version of IP core.

Products Affected

The following table lists the affected products.

MPF100T-FCG484E	MPF100TL-FCG484E	MPF100T-1FCG484E
MPF100T-FCVG484E	MPF100TL-FCVG484E	MPF100T-1FCVG484E
MPF100T-FCSG325E	MPF100TL-FCSG325E	MPF100T-1FCSG325E
MPF200T-FCG484E	MPF200TL-FCG484E	MPF200T-1FCG484E
MPF200T-FCVG484E	MPF200TL-FCVG484E	MPF200T-1FCVG484E
MPF200T-FCG784E	MPF200TL-FCG784E	MPF200T-1FCG784E
MPF200T-FCSG325E	MPF200TL-FCSG325E	MPF200T-1FCSG325E
MPF200T-FCSG536E	MPF200TL-FCSG536E	MPF200T-1FCSG536E
MPF300T-FCG484E	MPF300TL-FCG484E	MPF300T-1FCG484E
MPF300T-FCVG484E	MPF300TL-FCVG484E	MPF300T-1FCVG484E
MPF300T-FCG784E	MPF300TL-FCG784E	MPF300T-1FCG784E
MPF300T-FCSG536E	MPF300TL-FCSG536E	MPF300T-1FCSG536E
MPF300T-FCG1152E	MPF300TL-FCG1152E	MPF300T-1FCG1152E
MPF500T-FCG784E	MPF500TL-FCG784E	MPF500T-1FCG784E
MPF500T-FCG1152E	MPF500TL-FCG1152E	MPF500T-1FCG1152E
MPF100T-FCG484I	MPF100TL-FCG484I	MPF100T-1FCG484I
MPF100T-FCVG484I	MPF100TL-FCVG484I	MPF100T-1FCVG484I
MPF100T-FCSG325I	MPF100TL-FCSG325I	MPF100T-1FCSG325I
MPF200T-FCG484I	MPF200TL-FCG484I	MPF200T-1FCG484I
MPF200T-FCVG484I	MPF200TL-FCVG484I	MPF200T-1FCVG484I
MPF200T-FCG784I	MPF200TL-FCG784I	MPF200T-1FCG784I
MPF200T-FCSG325I	MPF200TL-FCSG325I	MPF200T-1FCSG325I
MPF200T-FCSG536I	MPF200TL-FCSG536I	MPF200T-1FCSG536I
MPF300T-FCG484I	MPF300TL-FCG484I	MPF300T-1FCG484I
MPF300T-FCVG484I	MPF300TL-FCVG484I	MPF300T-1FCVG484I
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MPF500T-FCG1152I	MPF500TL-FCG1152I	MPF500T-1FCG1152I
MPF100TLS-FCG484I	MPF100TLSL-FCG484I	MPF100TLS-1FCG484I
MPF100TLS-FCVG484I	MPF100TLSL-FCVG484I	MPF100TLS-1FCVG484I
MPF100TLS-FCSG325I	MPF100TLSL-FCSG325I	MPF100TLS-1FCSG325I
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MPF300TLS-FCG484I	MPF300TLSL-FCG484I	MPF300TLS-1FCG484I
MPF300TLS-FCVG484I	MPF300TLSL-FCVG484I	MPF300TLS-1FCVG484I

MPF300TLS-FCG784I	MPF300TSL-FCG784I	MPF300TLS-1FCG784I
MPF300TLS-FCSG536I	MPF300TSL-FCSG536I	MPF300TLS-1FCSG536I
MPF300TLS-FCG1152I	MPF300TSL-FCG1152I	MPF300TLS-1FCG1152I
MPF500TLS-FCG784I	MPF500TSL-FCG784I	MPF500TLS-1FCG784I
MPF500TLS-FCG1152I	MPF500TSL-FCG1152I	MPF500TLS-1FCG1152I

Contact Information

If you have any questions about this subject, contact Microsemi Technical Support department by using the support portal at <https://soc.microsemi.com/Portal/Default.aspx>.

Regards,

Microsemi Corporation

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