

CN20026: PolarFire FPGA VICM Clarification for HSIO

December 7, 2020

Description

This is a PolarFire Datasheet documentation change to the note for table 16 which relaxes the HSIO differential receiver maximum input common mode from a maximum VICM value of $VDDI - 0.4\text{ V}$ to a new maximum VICM value of $VDDI - 0.24\text{ V}$.

Reason for Change

This change is to correct the PolarFire Datasheet table 16 notes that were too restrictive for HSIO differential receiver input common modes maximum ranges.

Application Impact

There is no application impact.

Action Required

- No action required by customer.
- No impact to customer designs.
- This is a PolarFire Datasheet documentation change only.

Products Affected

PolarFire Part Numbers			
MPF100T-FCG484E	MPF100TL-FCG484E	MPF100T-1FCG484E	MPF100T-FCG484I
MPF100T-FCVG484E	MPF100TL-FCVG484E	MPF100T-1FCVG484E	MPF100T-FCVG484I
MPF100T-FCSG325E	MPF100TL-FCSG325E	MPF100T-1FCSG325E	MPF100T-FCSG325I
MPF200T-FCG484E	MPF200TL-FCG484E	MPF200T-1FCG484E	MPF200T-FCG484I
MPF200T-FCVG484E	MPF200TL-FCVG484E	MPF200T-1FCVG484E	MPF200T-FCVG484I
MPF200T-FCG784E	MPF200TL-FCG784E	MPF200T-1FCG784E	MPF200T-FCG784I
MPF200T-FCSG325E	MPF200TL-FCSG325E	MPF200T-1FCSG325E	MPF200T-FCSG325I
MPF200T-FCSG536E	MPF200TL-FCSG536E	MPF200T-1FCSG536E	MPF200T-FCSG536I
MPF300T-FCG484E	MPF300TL-FCG484E	MPF300T-1FCG484E	MPF300T-FCG484I
MPF300T-FCVG484E	MPF300TL-FCVG484E	MPF300T-1FCVG484E	MPF300T-FCVG484I
MPF300T-FCG784E	MPF300TL-FCG784E	MPF300T-1FCG784E	MPF300T-FCG784I
MPF300T-FCSG536E	MPF300TL-FCSG536E	MPF300T-1FCSG536E	MPF300T-FCSG536I
MPF300T-FCG1152E	MPF300TL-FCG1152E	MPF300T-1FCG1152E	MPF300T-FCG1152I
MPF500T-FCG784E	MPF500TL-FCG784E	MPF500T-1FCG784E	MPF500T-FCG784I
MPF500T-FCG1152E	MPF500TL-FCG1152E	MPF500T-1FCG1152E	MPF500T-FCG1152I
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MPF300TL-FCVG484I	MPF300T-1FCVG484I	MPF300TLS-FCVG484I	MPF300TS-FCVG484I
MPF300TL-FCG784I	MPF300T-1FCG784I	MPF300TLS-FCG784I	MPF300TS-FCG784I

PolarFire Part Numbers			
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MPF500TL-FCG784I	MPF500T-1FCG784I	MPF500TLS-FCG784I	MPF500TS-FCG784I
MPF500TL-FCG1152I	MPF500T-1FCG1152I	MPF500TLS-FCG1152I	MPF500TS-FCG1152I
MPF100TS-1FCG484I			
MPF100TS-1FCVG484I			
MPF100TS-1FCSG325I			
MPF200TS-1FCG484I			
MPF200TS-1FCVG484I			
MPF200TS-1FCG784I			
MPF200TS-1FCSG325I			
MPF200TS-1FCSG536I			
MPF300TS-1FCG484I			
MPF300TS-1FCVG484I			
MPF300TS-1FCG784I			
MPF300TS-1FCSG536I			
MPF300TS-1FCG1152I			
MPF500TS-1FCG784I			
MPF500TS-1FCG1152I			

Contact Information

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Regards,

Microsemi Corporation

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