MICROCHIP

Product Change Notification / RMES-20TRPU236

Date:

21-Feb-2022

Product Category:

FPGA Software Licenses

PCN Type:

Manufacturing Change

Notification Subject:

eSign # E000090941 Final Notice: Release of Libero SoC 2022.1 for selected products in the PolarFire FPGA device family.

Affected CPNs:

RMES-20TRPU236_Affected_CPN_02212022.pdf
RMES-20TRPU236_Affected_CPN_02212022.csv

Notification Text:

PCN Status: Final Notification

PCN Type: Manufacturing Change

Microchip Parts Affected: Please open one of the files found in the Affected CPNs section.
Note: For your convenience Microchip includes identical files in two formats (.pdf and .xls)

Description of Change: Release of Libero SoC 2022.1 for selected products in the PolarFire FPGA device family. Customer notification details.

Note: Once released, Libero SoC v2022.1 will be available for download on the webpage below.
https://www.microchip.com/en-us/products/fpgas-and-plds/fpga-and-soc-design-tools/fpga/libero-software-later-versions#Documents%20and%20Downloads

Pre and Post Change Summary:

	Pre Change	Post Change
Firmware	The PCIe Sub-system (PCIESS) LTSSM supports Link Training states and Re-Training (Recovery) state. However, the PCIESS does not support any software driven power management states such as L2P2, as incorrectly noted in the original documentation.	Software-driven power management states such as L2P2 in PolarFire PCIESS Root-Port and Endpoints are not supported.

Impacts to Data Sheet:
None

Change Impact None

Reason for Change: Software-driven PCIe L2P2 entry commands issued by the PolarFire PCIESS Root-Port to the downstream end-points are not supported. As a root-port, this will cause the link to be completely disrupted and only recoverable by re-initializing the link with side-band PERSTn (fundamental reset) or a power cycle.

PolarFire PCIESS End-point should not be commanded by the host to enter L2P2 link state. As an end-point, the link may be disruptive and only recoverable by re-initializing the link with side-band PERSTn (fundamental reset) or a power cycle.

Change Implementation Status: In Progress

Estimated First Ship Date: April 06, 2022

Note: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

Time Table Summary:

	February 2022				>	April 2022				
Workweek	06	07	08	09		14	15	16	17	18
Final PCN Issue Date				x						
Estimated Implementation Date							x			

Method to Identify Change: Not applicable. New software will be available as defined above.

Qualification Report: Not Applicable

Revision History:
February 21, 2022: Issued final notification to reveal the appropriate software release.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Please contact your local Microchip sales office with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to receive Microchip PCNs via email please register for our PCN email service at our PCN home page select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the PCN FAQ section.

If you wish to change your PCN profile, including opt out, please go to the PCN home page select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

Affected Catalog Part Numbers (CPN)

LIB-G-A-F
LIB-G-A-F-INCR
LIB-G-F-1YR
LIB-G-F-3YR
LIB-G-F-5YR
LIB-G-F-R-1YR
LIB-G-F-R-3YR
LIB-G-F-R-5YR
LIB-G-INCR-F-1YR
LIB-G-INCR-F-3YR
LIB-G-INCR-F-5YR
LIB-G-PC-A-N-DISKID
LIB-G-PC-N-1YR
LIB-G-PC-N-1YR-DISKID
LIB-G-PC-N-3YR-DISKID
LIB-G-PC-N-5YR-DISKID
LIB-G-PC-N-R-1YR-DISKID
LIB-G-PC-N-R-3YR-DISKID
LIB-G-PC-N-R-5YR-DISKID
LIB-INCR-F-WIN
LIB-PL-A-F
LIB-PL-A-F-INCR
LIB-PL-A-PC-N-DISKID
LIB-PL-F-10YR
LIB-PL-F-3YR
LIB-PL-F-5YR
LIB-PL-F-R-3YR
LIB-PL-F-R-5YR
LIB-PL-INCR-F-3YR
LIB-PL-INCR-F-5YR
LIB-PL-PC-A-N-DISKID
LIB-PL-PC-N-10YR-DISKID
LIB-PL-PC-N-1YR-DISKID
LIB-PL-PC-N-3YR-DISKID
LIB-PL-PC-N-5YR-DISKID
LIB-PL-PC-N-R-1YR-DISKID
LIB-PL-PC-N-R-3YR-DISKID
LIB-PL-PC-N-R-5YR-DISKID
LIB-SOL-SA-F
LIB-SOL-SA-F-INCR
LIB-SOL-SA-F-R
LIB-WIN-F-1YR
LIB-WIN-F-R-1YR
LIB-WIN-SA-DISKID
LIB-WIN-SA-DISKID-R
LIB-WIN-SA-F

Date: Sunday, February 20, 2022

LIB-WIN-SA-F-INCR

LIB-WIN-SA-F-R

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LIB-WIN-SA-F-INCR

LIB-WIN-SA-F-R

Date: Sunday, February 20, 2022