

Product Change Notification / LIAL-04DQNT801

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10-May-2023

Product Category:

General Purpose FPGAs, Radiation Tolerant FPGAs, System On Chip FPGAs

PCN Type:

Manufacturing Change

Notification Subject:

eSign# E000173629 Final notice: Released of updated Libero SoC v2022.3 for selected products in the PolarFire FPGA device family, including MPFxxx and RTPF device families.

Affected CPNs:

LIAL-04DQNT801_Affected_CPN_05102023.pdf LIAL-04DQNT801_Affected_CPN_05102023.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:Released of updated Libero SoC v2022.3 for selected products in the PolarFire FPGA device family, including MPFxxx and RTPF device families as described in the attached customer notice details.

Notes:

Libero SoC v2022.3 released on Dec 16th, 2022 and is available for download on the webpage below: https://www.microchip.com/en-us/products/fpgas-and-plds/fpga-and-soc-design-tools/fpga/lib

ero-software-later-versions#Download%20Software

Pre and Post Change Summary:

	Pre Change	Post Change			
Software / Tool	PolarFire, RT PolarFire, and PolarFire SoC programming	PolarFire, RT PolarFire, and PolarFire SoC programming			
	bitstreams created with Libero SoC v2022.2 or earlier.	bitstreams created with Libero SoC v2022.3 or later.			

Impacts to Data Sheet:None

Change ImpactNone

Reason for Change:Release updated Libero SoC v2022.3 to prevent usage of device programming bitstreams that could result in false Power-On Reset digest check failures and tamper flag assertion, for scenarios where the user has enabled POR digest check settings for device components not included in the programming bitstream.

Change Implementation Status:

Complete

Estimated First Ship Date:December 16, 2022 (date code: 2251)

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

Time Table Summary:

	December 2022				>	May 2023					
Workweek	4	5	5	5	5		1	1	2	2	2
	9	0	1	2	3		8	9	0	1	2
Final PCN Issue											
Date								Х			
Estimated											
Implementation			Х								
Date											

Method to Identify Change: Not applicable. New software release is available as defined above.

Qualification Report:Not applicable

Revision History:May 10, 2023: Issued final notification.

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

Attachments:

 $CN_PolarFire_FPGA_Tamper_PORDIGEST_Update_Libero_v2022p3.pdf$

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

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

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Affected Catalog Part Numbers (CPN)

MPF300T-1FCVG484T2

MPF300T-FCVG484T2

MPF300T-1FCSG536T2

MPF300T-FCSG536T2

MPF300TS-FC484M

MPF300T-FCG484X547

MPF300TS-FCV484M

MPF300TS-FC784M

MPF300TS-FCS536M

MPF300TS-WAFER

MPF300T-1FCG484E

MPF300T-1FCG484I

MPF300T-FCG484EX52

MPF300T-FCG484E

MPF300T-FCG484I

MPF300TL-FCG484E

MPF300TL-FCG484I

MPF300TLS-FCG484I

MPF300TS-1FCG484I

MPF300TS-FCG484I

MPF300T-1FCG484IX548

MPF300T-1FCG484IS0322

MPF300T-1FCVG484E

MPF300T-1FCVG484I

MPF300T-FCVG484E

MPF300T-FCVG484I

MPF300TL-FCVG484E

MPF300TL-FCVG484I

MPF300TLS-FCVG484I

MPF300TS-1FCVG484I

MPF300TS-FCVG484I

MPF300T-FCVG484EX548

MPF300T-1FCG784E

MPF300T-1FCG784I

MPF300T-FCG784E

MPF300T-FCG784I

MPF300TL-FCG784E

MPF300TL-FCG784I

MPF300TLS-FCG784I

MPF300TS-1FCG784I

MPF300TS-FCG784I

MPF300T-FCG784ES0317

MPF300T-FCG784ES0323

MPF300T-1FCG784NE

MPF300T-1FCG784NI

MPF300T-FCG784NE

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MPF300T-FCG784NI
MPF300TS-FCG784NI
MPF300T-FCG1152EX3
MPF300T-1FCG1152E
MPF300T-1FCG1152I
MPF300T-FCG1152I
MPF300T-FCG1152I
MPF300T-FCG1152I
MPF300T-FCG1152I

MPF300TL-FCG1152I MPF300TLS-FCG1152I MPF300TS-1FCG1152I MPF300TS-FCG1152I MPF300T-1FCG1152IX45

MPF300T-FCG1152ES0311 MPF300T-FCG1152ES0324

MPF300T-1FCSG536E

MPF300T-1FCSG536I

MPF300T-FCSG536E

MPF300T-FCSG536I

MPF300TL-FCSG536E

MPF300TL-FCSG536I

MPF300TLS-FCSG536I

MPF300TS-1FCSG536I

MPF300TS-FCSG536I

MPF500TS-FC784M

MPF500TS-FC1152MX167

MPF500TS-FC1152M

MPF500TS-FC1152MX3

MPF500TS-WAFER

MPF500T-1FCG784E

MPF500T-1FCG784I

MPF500T-FCG784E

MPF500T-FCG784I

MPF500TL-FCG784E

MPF500TL-FCG784I

MPF500TLS-FCG784I

MPF500TS-1FCG784I

MPF500TS-FCG784I

MPF500T-1FCG1152E

MPF500T-1FCG1152I

MPF500T-FCG1152E

MPF500T-FCG1152I

MPF500TL-FCG1152E

MPF500TL-FCG1152I

MPF500TLS-FCG1152I

MPF500TS-1FCG1152I

MPF500TS-FCG1152I

MPF100T-1FCVG484T2

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LIAL-04DQNT801 - eSign# E000173629 Final notice: Released of updated Libero SoC v2022.3 for selected products in the PolarFire FPGA device family, including MPFxxx and RTPF device families. MPF200TL-FCG484E MPF200TL-FCG484I MPF200TLS-FCG484I MPF200TS-1FCG484I MPF200TS-FCG484I MPF200T-FCG484EZ330 MPF200T-FCG484ES0304 MPF200T-FCG484ES0305 MPF200T-FCG484ES0306 MPF200T-1FCVG484E MPF200T-1FCVG484I MPF200T-FCVG484E MPF200T-FCVG484I MPF200TL-FCVG484E MPF200TL-FCVG484I MPF200TLS-FCVG484I MPF200TS-1FCVG484I MPF200TS-FCVG484I MPF200T-1FCVG484ES0302 MPF200T-FCVG484ES0307 MPF200T-FCVG484ES0308 MPF200T-FCVG484ES0309 MPF200T-FCVG484ES0010 MPF200T-FCVG484ES0314 MPF200T-FCVG484IS0315 MPF200T-FCVG484IS0316 MPF200T-FCVG484ES0319 MPF200T-FCVG484ES0318 MPF200T-FCVG484ES0320 MPF200T-FCVG484IS0321 MPF200T-1FCG784E MPF200T-1FCG784I MPF200T-FCG784E MPF200T-FCG784I MPF200TL-FCG784E MPF200TL-FCG784I MPF200TLS-FCG784I MPF200TS-1FCG784I MPF200TS-FCG784I MPF200T-FCG784EH701 MPF200T-FCG784ES0301 MPF200T-FCG784IS0303 MPF200T-FCG784ES0039 MPF200T-FCG784ES0312 MPF200T-FCG784IS0313 MPF200T-FCG784IS0325 MPF200T-FCG784IS0326 MPF200T-1FCSG325E MPF200T-1FCSG325I Date: Tuesday, May 09, 2023

LIAL-04DQNT801 - eSign# E000173629 Final notice: Released of updated Libero SoC v2022.3 for selected products in the PolarFire FPGA device family, including MPFxxx and RTPF device families. MPF200T-FCSG325E MPF200T-FCSG325I MPF200TL-FCSG325E MPF200TL-FCSG325I MPF200TLS-FCSG325I MPF200TS-1FCSG325I MPF200TS-FCSG325I MPF200T-1FCSG536E MPF200T-1FCSG536I MPF200T-FCSG536E MPF200T-FCSG536I MPF200TL-FCSG536E MPF200TL-FCSG536I MPF200TLS-FCSG536I MPF200TS-1FCSG536IQ302 MPF200TS-1FCSG536I MPF200TS-FCSG536I MPFS250T-1FCVG484T2 MPFS250T-FCVG484T2 MPFS250T-1FCVG784T2 MPFS250T-FCVG784T2 MPFS250T-1FCSG536T2 MPFS250T-FCSG536T2 MPFS250TS-FCV484M MPFS250TS-FCV784M MPFS250TS-FC1152M MPFS250TS-FCS536M MPFS250T-FCVG484I MPFS250T-1FCVG484IPP MPFS250T-FCVG484IPP MPFS250T-1FCVG484EPP MPFS250T-FCVG484EPP MPFS250T-1FCVG484I MPFS250TL-FCVG484I MPFS250TLS-FCVG484I MPFS250TS-1FCVG484I MPFS250TS-FCVG484I MPFS250T-1FCVG484E MPFS250T-FCVG484E MPFS250TL-FCVG484E MPFS250T-1FCVG784I MPFS250T-FCVG784I MPFS250TL-FCVG784I MPFS250TLS-FCVG784I MPFS250TS-1FCVG784I MPFS250TS-FCVG784I MPFS250T-1FCVG784E MPFS250T-FCVG784E MPFS250TL-FCVG784E Date: Tuesday, May 09, 2023

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MPFS250T-1FCG1152IPP
MPFS250T-FCG1152IP
MPFS250T-FCG1152EPP
MPFS250T-FCG1152EPP
MPFS250T-FCG1152EPP
MPFS250T-FCG1152I
MPFS250TL-FCG1152I
MPFS250TL-FCG1152I
MPFS250TL-FCG1152I

MPFS250TS-1FCG1152I MPFS250TS-FCG1152I MPFS250T-1FCG1152E MPFS250T-FCG1152E MPFS250TL-FCG1152E MPFS250TS-1FCG1152IPP MPFS250T-1FCG1152IX259 MPFS250T-1FCSG536I

MPFS250T-FCSG536I MPFS250TL-FCSG536I

MITS250TL-PCSG550I

MPFS250TLS-FCSG536I

MPFS250TS-1FCSG536I

MPFS250TS-FCSG536I

MPFS250T-1FCSG536E

MPFS250T-FCSG536E

MPFS250TL-FCSG536E

MPFS250T-FCSG536IPP

MPFS025T-1FCVG484E

MPFS025T-1FCVG484I

MPFS025T-FCVG484E

MPFS025T-FCVG484I

MPFS025TL-FCVG484E

MPFS025TL-FCVG484I

MPFS025TLS-FCVG484I

MPFS025TS-1FCVG484I

MPFS025TS-FCVG484I

MPFS025T-1FCSG325E

MPFS025T-1FCSG325I

MPFS025T-FCSG325E

MPFS025T-FCSG325I

MPFS025TL-FCSG325E

MPFS025TL-FCSG325I

MPFS025TLS-FCSG325I

MPFS025TS-1FCSG325I

MPFS025TS-FCSG325I

MPFS095T-1FCSG325E

MPFS095T-1FCSG325I

MPFS095T-FCSG325E

MPFS095T-FCSG325I

MPFS095TL-FCSG325E

MPFS095TL-FCSG325I

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MPF050TS-1FCSG3251
MPF050TLS-FCSG3251
MPFS160TS-WAFERLOT
MPFS160T-1FCVG484E
MPFS160T-1FCVG484I
MPFS160T-FCVG484I
MPFS160T-FCVG484I
MPFS160T-FCVG484I

MPFS160TL-FCVG484E MPFS160TL-FCVG484I MPFS160TLS-FCVG484I MPFS160TS-1FCVG484I MPFS160TS-FCVG484I

MPFS160T-1FCVG784E MPFS160T-1FCVG784I

MPFS160T-FCVG784E MPFS160T-FCVG784I

MPFS160TL-FCVG784E MPFS160TL-FCVG784I

MPFS160TLS-FCVG784I

MPFS160TS-1FCVG784I

MPFS160TS-FCVG784I

MPFS160T-1FCSG536E

MPFS160T-1FCSG536I MPFS160T-FCSG536E

MPFS160T-FCSG536I

MPFS160TL-FCSG536E

MPFS160TL-FCSG536I

MPFS160TLS-FCSG536I

MPFS160TS-1FCSG536I

MPFS160TS-FCSG536I

RTPF500T-1CB1509MS

RTPF500T-1CB1509PROTO

RTPF500T-1CG1509EX259

RTPF500T-1CG1509EX3

RTPF500T-1CG1509MS

RTPF500T-1CG1509PROTO

RTPF500T-1LG1509MS

RTPF500T-1LG1509PROTO

RTPF500T-CB1509PROTO

RTPF500T-CG1509PROTO

RTPF500T-LG1509PROTO

RTPF500TL-CB1509ES

RTPF500TL-CB1509PROTO

RTPF500TL-CG1509E

RTPF500TL-CG1509PROTO

RTPF500TL-LG1509ES

RTPF500TL-LG1509PROTO

RTPF500TLS-CB1509ES

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RTPF500TLS-CB1509PROTO

RTPF500TLS-CG1509PROTO

RTPF500TLS-LG1509ES

RTPF500TLS-LG1509PROTO

RTPF500TS-1CB1509ES

RTPF500TS-1CB1509PROTO

RTPF500TS-1CG1509EX155

RTPF500TS-1CG1509PROTO

RTPF500TS-1LG1509ES

RTPF500TS-1LG1509PROTO

RTPF500TS-CB1509PROTO

RTPF500TS-CG1509PROTO

RTPF500TS-LG1509ES

RTPF500TS-LG1509PROTO

RTPFS460T-1CB1509PROTO

RTPFS460T-1CG1509PROTO

RTPFS460T-1LG1509PROTO

RTPFS460T-CB1509PROTO

RTPFS460T-CG1509PROTO

RTPFS460T-LG1509PROTO

RTPFS460TL-CB1509PROTO

RTPFS460TL-CG1509PROTO

RTPFS460TL-LG1509PROTO

RTPFS460TLS-CB1509PROTO

RTPFS460TLS-CG1509PROTO

RTPFS460TLS-LG1509PROTO

RTPFS460TS-1CB1509PROTO

RTPFS460TS-1CG1509PROTO

RTPFS460TS-1LG1509PROTO

RTPFS460TS-CB1509PROTO

RTPFS460TS-CG1509PROTO

RTPFS460TS-LG1509PROTO