

Microsemi Corporation

August 13, 2019

Customer Notification No: CN19020

Change Classification: Minor

Subject: Deprecated WD_TIMEOUT Port to the Fabric

Description of Change

Exposing the WD_TIMEOUT port to the fabric in the MSS Configurator is deprecated starting in Libero 11.9 SP5 and Libero SoC 12.2.

Reason for Change

The WD_TIMEOUT signal does not behave as expected when the watchdog timer timeout behavior is configured to generate an interrupt.

Workaround

Expose the NMI to the fabric in the MSS GUI via the MSS Interrupt Management block. The Cortex-M3 NMI will provide similar behavior, assert on watchdog timeout, as the WD_TIMEOUT signal when configured in interrupt mode.

Products Affected by this Change

All part numbers for affected SmartFusion2 products are listed in the [Part Number Appendix \(see page 2\)](#).

Production Shipment Schedule

All products listed in the [Part Number Appendix \(see page 2\)](#) are in full production.

Qualification Data

Not applicable

Samples Availability

Not applicable

Contact Information

If you have further 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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Part Number Appendix

M2S005-1FG484	M2S005S-VF400	M2S010T-1FGG484	M2S010T-VF400	M2S025T-1VF400	M2S025TS-VFG400I
M2S005-1FG484I	M2S005S-VF400I	M2S010T-1FGG484I	M2S010T-VF400I	M2S025T-1VF400I	M2S025T-VF256
M2S005-1FGG484	M2S005S-VFG256	M2S010T-1FGG484M	M2S010T-VFG256	M2S025T-1VFG256	M2S025T-VF256I
M2S005-1FGG484I	M2S005S-VFG256I	M2S010T-1VF256	M2S010T-VFG256I	M2S025T-1VFG256I	M2S025T-VF400
M2S005-1TQ144	M2S005S-VFG400	M2S010T-1VF256I	M2S010T-VFG400	M2S025T-1VFG400	M2S025T-VF400I
M2S005-1TQ144I	M2S005S-VFG400I	M2S010T-1VF400	M2S010T-VFG400I	M2S025T-1VFG400I	M2S025T-VFG256
M2S005-1TQG144	M2S005-TQ144	M2S010T-1VF400I	M2S010-VF256	M2S025T-FCS325	M2S025T-VFG256I
M2S005-1TQG144I	M2S005-TQ144I	M2S010T-1VFG256	M2S010-VF256I	M2S025T-FCS325I	M2S025T-VFG400
M2S005-1VF256	M2S005-TQG144	M2S010T-1VFG256I	M2S010-VF400	M2S025T-FCSG325	M2S025T-VFG400I
M2S005-1VF256I	M2S005-TQG144I	M2S010T-1VFG400	M2S010-VF400I	M2S025T-FCSG325I	M2S025-VF256
M2S005-1VF400	M2S005-VF256	M2S010T-1VFG400I	M2S010-VFG256	M2S025T-FG484	M2S025-VF256I
M2S005-1VF400I	M2S005-VF256I	M2S010T-FG484	M2S010-VFG256I	M2S025T-FG484I	M2S025-VF400
M2S005-1VFG256	M2S005-VF400	M2S010T-FG484I	M2S010-VFG400	M2S025T-FGG484	M2S025-VF400I
M2S005-1VFG256I	M2S005-VF400I	M2S010T-FGG484	M2S010-VFG400I	M2S025T-FGG484I	M2S025-VFG256
M2S005-1VFG400	M2S005-VFG256	M2S010T-FGG484I	M2S025-1FCS325	M2S025TS-1FCS325	M2S025-VFG256I
M2S005-1VFG400I	M2S005-VFG256I	M2S010-TQ144	M2S025-1FCS325I	M2S025TS-1FCS325I	M2S025-VFG400
M2S005-FG484	M2S005-VFG400	M2S010-TQ144I	M2S025-1FCSG325	M2S025TS-1FCSG325	M2S025-VFG400I
M2S005-FG484I	M2S005-VFG400I	M2S010-TQG144	M2S025-1FCSG325I	M2S025TS-1FCSG325I	M2S050-1FCS325
M2S005-FGG484	M2S010-1FG484	M2S010-TQG144I	M2S025-1FG484	M2S025TS-1FG484	M2S050-1FCS325I
M2S005-FGG484I	M2S010-1FG484I	M2S010TS-1FG484	M2S025-1FG484I	M2S025TS-1FG484I	M2S050-1FCSG325
M2S005S-1FG484	M2S010-1FGG484	M2S010TS-1FG484I	M2S025-1FGG484	M2S025TS-1FG484M	M2S050-1FCSG325I
M2S005S-1FG484I	M2S010-1FGG484I	M2S010TS-1FG484M	M2S025-1FGG484I	M2S025TS-1FGG484	M2S050-1FG484
M2S005S-1FGG484	M2S010-1TQ144	M2S010TS-1FGG484	M2S025-1VF256	M2S025TS-1FGG484I	M2S050-1FG484I
M2S005S-1FGG484I	M2S010-1TQ144I	M2S010TS-1FGG484I	M2S025-1VF256I	M2S025TS-1FGG484M	M2S050-1FG896
M2S005S-1FGG484T2	M2S010-1TQG144	M2S010TS-1FGG484M	M2S025-1VF400	M2S025TS-1FGG484T2	M2S050-1FG896I
M2S005S-1TQ144	M2S010-1TQG144I	M2S010TS-1FGG484T2	M2S025-1VF400I	M2S025TS-1VF256	M2S050-1FGG484
M2S005S-1TQ144I	M2S010-1VF256	M2S010TS-1VF256	M2S025-1VFG256	M2S025TS-1VF256I	M2S050-1FGG484I
M2S005S-1TQG144	M2S010-1VF256I	M2S010TS-1VF256I	M2S025-1VFG256I	M2S025TS-1VF400	M2S050-1FGG896
M2S005S-1TQG144I	M2S010-1VF400	M2S010TS-1VF400	M2S025-1VFG400	M2S025TS-1VF400I	M2S050-1FGG896I
M2S005S-1TQG144T2	M2S010-1VF400I	M2S010TS-1VF400I	M2S025-1VFG400I	M2S025TS-1VFG256	M2S050-1VF400
M2S005S-1VF256	M2S010-1VFG256	M2S010TS-1VFG256	M2S025-FCS325	M2S025TS-1VFG256I	M2S050-1VF400I

M2S005S-1VF256I	M2S010-1VFG256I	M2S010TS-1VFG256I	M2S025-FCS325I	M2S025TS-1VFG256T2	M2S050-1VFG400
M2S005S-1VF400	M2S010-1VFG400	M2S010TS-1VFG256T2	M2S025-FCSG325	M2S025TS-1VFG400	M2S050-1VFG400I
M2S005S-1VF400I	M2S010-1VFG400I	M2S010TS-1VFG400	M2S025-FCSG325I	M2S025TS-1VFG400I	M2S050-FCS325
M2S005S-1VFG256	M2S010-FG484	M2S010TS-1VFG400I	M2S025-FG484	M2S025TS-1VFG400T2	M2S050-FCS325I
M2S005S-1VFG256I	M2S010-FG484I	M2S010TS-1VFG400T2	M2S025-FG484I	M2S025TS-FCS325	M2S050-FCSG325
M2S005S-1VFG256T2	M2S010-FGG484	M2S010TS-FG484	M2S025-FGG484	M2S025TS-FCS325I	M2S050-FCSG325I
M2S005S-1VFG400	M2S010-FGG484I	M2S010TS-FG484I	M2S025-FGG484I	M2S025TS-FCSG325	M2S050-FG484
M2S005S-1VFG400I	M2S010S-1TQ144	M2S010TS-FGG484	M2S025T-1FCS325	M2S025TS-FCSG325I	M2S050-FG484I
M2S005S-1VFG400T2	M2S010S-1TQ144I	M2S010TS-FGG484I	M2S025T-1FCS325I	M2S025TS-FG484	M2S050-FG896
M2S005S-FG484	M2S010S-1TQG144	M2S010TS-VF256	M2S025T-1FCSG325	M2S025TS-FG484I	M2S050-FG896I
M2S005S-FG484I	M2S010S-1TQG144I	M2S010TS-VF256I	M2S025T-1FCSG325I	M2S025TS-FGG484	M2S050-FGG484
M2S005S-FGG484	M2S010S-1TQG144T2	M2S010TS-VF400	M2S025T-1FG484	M2S025TS-FGG484I	M2S050-FGG484I
M2S005S-FGG484I	M2S010S-TQ144	M2S010TS-VF400I	M2S025T-1FG484I	M2S025TS-VF256	M2S050-FGG896
M2S005S-TQ144	M2S010S-TQ144I	M2S010TS-VFG256	M2S025T-1FG484M	M2S025TS-VF256I	M2S050-FGG896I
M2S005S-TQ144I	M2S010S-TQG144	M2S010TS-VFG256I	M2S025T-1FGG484	M2S025TS-VF400	M2S050T-1FCS325
M2S005S-TQG144	M2S010S-TQG144I	M2S010TS-VFG400	M2S025T-1FGG484I	M2S025TS-VF400I	M2S050T-1FCS325I
M2S005S-TQG144I	M2S010T-1FG484	M2S010TS-VFG400I	M2S025T-1FGG484M	M2S025TS-VFG256	M2S050T-1FCSG325
M2S005S-VF256	M2S010T-1FG484I	M2S010T-VF256	M2S025T-1VF256	M2S025TS-VFG256I	M2S050T-1FCSG325I
M2S005S-VF256I	M2S010T-1FG484M	M2S010T-VF256I	M2S025T-1VF256I	M2S025TS-VFG400	M2S050T-1FG484
M2S050T-1FG484I	M2S050TS-FGG896	M2S060T-1FGG484M	M2S060TS-VF400I	M2S090T-FG484	M2S150-FCG1152I
M2S050T-1FG484M	M2S050TS-FGG896I	M2S060T-1FGG676	M2S060TS-VFG400	M2S090T-FG484I	M2S150-FCS536
M2S050T-1FG896	M2S050TS-VF400	M2S060T-1FGG676I	M2S060TS-VFG400I	M2S090T-FG676	M2S150-FCS536I
M2S050T-1FG896I	M2S050TS-VF400I	M2S060T-1VF400	M2S060T-VF400	M2S090T-FG676I	M2S150-FCSG536
M2S050T-1FGG484	M2S050TS-VFG400	M2S060T-1VF400I	M2S060T-VF400I	M2S090T-FGG484	M2S150-FCSG536I
M2S050T-1FGG484I	M2S050TS-VFG400I	M2S060T-1VFG400	M2S060T-VFG400	M2S090T-FGG484I	M2S150-FCV484
M2S050T-1FGG484M	M2S050T-VF400	M2S060T-1VFG400I	M2S060T-VFG400I	M2S090T-FGG676	M2S150-FCV484I
M2S050T-1FGG896	M2S050T-VF400I	M2S060T-FCS325	M2S060-VF400	M2S090T-FGG676I	M2S150-FCVG484
M2S050T-1FGG896I	M2S050T-VFG400	M2S060T-FCS325I	M2S060-VF400I	M2S090TS-1FCS325	M2S150-FCVG484I
M2S050T-1VF400	M2S050T-VFG400I	M2S060T-FCSG325	M2S060-VFG400	M2S090TS-1FCS325I	M2S150T-1FC1152
M2S050T-1VF400I	M2S050-VF400	M2S060T-FCSG325I	M2S060-VFG400I	M2S090TS-1FCSG325	M2S150T-1FC1152I

M2S050T-1VFG400	M2S050-VF400I	M2S060T-FG484	M2S090-1FCS325	M2S090TS-1FCSG325I	M2S150T-1FC1152M
M2S050T-1VFG400I	M2S050-VFG400	M2S060T-FG484I	M2S090-1FCS325I	M2S090TS-1FG484	M2S150T-1FCG1152
M2S050T-FCS325	M2S050-VFG400I	M2S060T-FG676	M2S090-1FCSG325	M2S090TS-1FG484I	M2S150T-1FCG1152I
M2S050T-FCS325I	M2S060-1FCS325	M2S060T-FG676I	M2S090-1FCSG325I	M2S090TS-1FG484M	M2S150T-1FCG1152M
M2S050T-FCSG325	M2S060-1FCS325I	M2S060T-FGG484	M2S090-1FG484	M2S090TS-1FG676	M2S150T-1FCS536
M2S050T-FCSG325I	M2S060-1FCSG325	M2S060T-FGG484I	M2S090-1FG484I	M2S090TS-1FG676I	M2S150T-1FCS536I
M2S050T-FG484	M2S060-1FCSG325I	M2S060T-FGG676	M2S090-1FG676	M2S090TS-1FGG484	M2S150T-1FCSG536
M2S050T-FG484I	M2S060-1FG484	M2S060T-FGG676I	M2S090-1FG676I	M2S090TS-1FGG484I	M2S150T-1FCSG536I
M2S050T-FG896	M2S060-1FG484I	M2S060TS-1FCS325	M2S090-1FGG484	M2S090TS-1FGG484M	M2S150T-1FCV484
M2S050T-FG896I	M2S060-1FG676	M2S060TS-1FCS325I	M2S090-1FGG484I	M2S090TS-1FGG484T2	M2S150T-1FCV484I
M2S050T-FGG484	M2S060-1FG676I	M2S060TS-1FCSG325	M2S090-1FGG676	M2S090TS-1FGG676	M2S150T-1FCV484M
M2S050T-FGG484I	M2S060-1FGG484	M2S060TS-1FCSG325I	M2S090-1FGG676I	M2S090TS-1FGG676I	M2S150T-1FCVG484
M2S050T-FGG896	M2S060-1FGG484I	M2S060TS-1FG484	M2S090-FCS325	M2S090TS-1FGG676T2	M2S150T-1FCVG484I
M2S050T-FGG896I	M2S060-1FGG676	M2S060TS-1FG484I	M2S090-FCS325I	M2S090TS-EVAL-KIT	M2S150T-FC1152
M2S050TS-1FCS325	M2S060-1FGG676I	M2S060TS-1FG484M	M2S090-FCSG325	M2S090TS-FCS325	M2S150T-FC1152I
M2S050TS-1FCS325I	M2S060-1VF400	M2S060TS-1FG676	M2S090-FCSG325I	M2S090TS-FCS325I	M2S150T-FCG1152
M2S050TS-1FCSG325	M2S060-1VF400I	M2S060TS-1FG676I	M2S090-FG484	M2S090TS-FCSG325	M2S150T-FCG1152I
M2S050TS-1FCSG325I	M2S060-1VFG400	M2S060TS-1FGG484	M2S090-FG484I	M2S090TS-FCSG325I	M2S150T-FCS536
M2S050TS-1FG484	M2S060-1VFG400I	M2S060TS-1FGG484I	M2S090-FG676	M2S090TS-FG484	M2S150T-FCS536I
M2S050TS-1FG484I	M2S060-FCS325	M2S060TS-1FGG484M	M2S090-FG676I	M2S090TS-FG484I	M2S150T-FCSG536
M2S050TS-1FG484M	M2S060-FCS325I	M2S060TS-1FGG484T2	M2S090-FGG484	M2S090TS-FG676	M2S150T-FCSG536I
M2S050TS-1FG896	M2S060-FCSG325	M2S060TS-1FGG676	M2S090-FGG484I	M2S090TS-FG676I	M2S150T-FCV484
M2S050TS-1FG896I	M2S060-FCSG325I	M2S060TS-1FGG676I	M2S090-FGG676	M2S090TS-FGG484	M2S150T-FCV484I
M2S050TS-1FGG484	M2S060-FG484	M2S060TS-1FGG676T2	M2S090-FGG676I	M2S090TS-FGG484I	M2S150T-FCVG484
M2S050TS-1FGG484I	M2S060-FG484I	M2S060TS-1VF400	M2S090T-1FCS325	M2S090TS-FGG676	M2S150T-FCVG484I
M2S050TS-1FGG484M	M2S060-FG676	M2S060TS-1VF400I	M2S090T-1FCS325I	M2S090TS-FGG676I	M2S150TS-1FC1152
M2S050TS-1FGG896	M2S060-FG676I	M2S060TS-1VFG400	M2S090T-1FCSG325	M2S150-1FC1152	M2S150TS-1FC1152I

M2S050TS-1FGG896I	M2S060-FGG484	M2S060TS-1VFG400I	M2S090T-1FCSG325I	M2S150-1FC1152I	M2S150TS-1FC1152M
M2S050TS-1VF400	M2S060-FGG484I	M2S060TS-1VFG400T2	M2S090T-1FG484	M2S150-1FCG1152	M2S150TS-1FCG1152
M2S050TS-1VF400I	M2S060-FGG676	M2S060TS-FCS325	M2S090T-1FG484I	M2S150-1FCG1152I	M2S150TS-1FCG1152I
M2S050TS-1VFG400	M2S060-FGG676I	M2S060TS-FCS325I	M2S090T-1FG484M	M2S150-1FCS536	M2S150TS-1FCG1152M
M2S050TS-1VFG400I	M2S060T-1FCS325	M2S060TS-FCSG325	M2S090T-1FG676	M2S150-1FCS536I	M2S150TS-1FCS536
M2S050TS-FCS325	M2S060T-1FCS325I	M2S060TS-FCSG325I	M2S090T-1FG676I	M2S150-1FCSG536	M2S150TS-1FCS536I
M2S050TS-FCS325I	M2S060T-1FCSG325	M2S060TS-FG484	M2S090T-1FGG484	M2S150-1FCSG536I	M2S150TS-1FCSG536
M2S050TS-FCSG325	M2S060T-1FCSG325I	M2S060TS-FG484I	M2S090T-1FGG484I	M2S150-1FCV484	M2S150TS-1FCSG536I
M2S050TS-FCSG325I	M2S060T-1FG484	M2S060TS-FG676	M2S090T-1FGG484M	M2S150-1FCV484I	M2S150TS-1FCV484
M2S050TS-FG484	M2S060T-1FG484I	M2S060TS-FG676I	M2S090T-1FGG676	M2S150-1FCVG484	M2S150TS-1FCV484I
M2S050TS-FG484I	M2S060T-1FG484M	M2S060TS-FGG484	M2S090T-1FGG676I	M2S150-1FCVG484I	M2S150TS-1FCV484M
M2S050TS-FG896	M2S060T-1FG676	M2S060TS-FGG484I	M2S090T-FCS325	M2S150-ADV-DEV-KIT	M2S150TS-1FCVG484
M2S050TS-FG896I	M2S060T-1FG676I	M2S060TS-FGG676	M2S090T-FCS325I	M2S150-FC1152	M2S150TS-1FCVG484I
M2S050TS-FGG484	M2S060T-1FGG484	M2S060TS-FGG676I	M2S090T-FCSG325	M2S150-FC1152I	M2S150TS-FC1152
M2S050TS-FGG484I	M2S060T-1FGG484I	M2S060TS-VF400	M2S090T-FCSG325I	M2S150-FCG1152	M2S150TS-FC1152I
M2S150TS-FCG1152	M2S150TS-FCG1152I	M2S150TS-FCS536	M2S150TS-FCS536I	M2S150TS-FCSG536	M2S150TS-FCSG536I
M2S150TS-FCV484	M2S150TS-FCV484I	M2S150TS-FCVG484	M2S150TS-FCVG484I		

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