

## 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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