



180201240 EFM8 Laser Bee (LB1) Datasheet Update Bulletin

Bulletin Issue Date: 2/1/2018

Effective Date: 2/1/2018

Description of Change

Silicon Labs is pleased to announce the release of new ES1 variants of the EFM8LB1 devices with new preprogrammed boot loaders. This release comes with a datasheet update to version 1.2.

The datasheet changes are as follows:

- Added new ES1 designated LB1 OPNs to Table 1.2 Product Selection Guide.
- Added column "Bootloader Pins" to Table 1.2 Product Selection Guide to give visibility into the differences between the pre-programmed bootloader within each OPN.
- Added a section in Section 3.1 Introduction to mention the reference manual where an individual can find more detailed information on the device.
- Added a Minimum spec to Table 4.1. Recommended Operating Conditions for the Operating Supply Voltage on VIO.
- Add a note to Table 4.1. Recommended Operating Conditions to specify that the drive and sink capabilities of the IOs change at lower VIO values and referenced Table 4.1.16 where an individual can see the capabilities based on VIO.
- Added a note on Table 4.2 Power Consumption for the Comparator Reference to specify the test conditions.
- Renamed Thermal Resistance to Thermal Resistance (Junction to Ambient) and added Thermal Resistance (Junction to Case) to Table 4.2 Thermal Conditions.
- Added bullets to the Revision History to improve readability.

Reason for Change

Datasheet update following the creation of the new ES1 designated parts.

Product Identification

EFM8LB10F16E-B-QFN24
EFM8LB10F16E-B-QFN24R
EFM8LB10F16E-B-QFN32
EFM8LB10F16E-B-QFN32R
EFM8LB10F16E-B-QFP32
EFM8LB10F16E-B-QFP32R
EFM8LB10F16ES0-B-QFN24
EFM8LB10F16ES0-B-QFN24R
EFM8LB10F16ES0-B-QFN32
EFM8LB10F16ES0-B-QFN32R
EFM8LB10F16E-B-QSOP24
EFM8LB10F16E-B-QSOP24R
EFM8LB11F16E-B-QFN24
EFM8LB11F16E-B-QFN24R
EFM8LB11F16E-B-QFN32
EFM8LB11F16E-B-QFN32R
EFM8LB11F16E-B-QFP32
EFM8LB11F16E-B-QFP32R
EFM8LB11F16ES0-B-QFN24
EFM8LB11F16ES0-B-QFN24R
EFM8LB11F16ES0-B-QFN32
EFM8LB11F16ES0-B-QFN32R
EFM8LB11F16E-B-QSOP24
EFM8LB11F16E-B-QSOP24R
EFM8LB11F32E-B-QFN24
EFM8LB11F32E-B-QFN24R
EFM8LB11F32E-B-QFN32
EFM8LB11F32E-B-QFN32R

EFM8LB11F32E-B-QFP32
EFM8LB11F32E-B-QFP32R
EFM8LB11F32ES0-B-QFN24
EFM8LB11F32ES0-B-QFN24R
EFM8LB11F32ES0-B-QFN32
EFM8LB11F32ES0-B-QFN32R
EFM8LB11F32E-B-QSOP24
EFM8LB11F32E-B-QSOP24R
EFM8LB12F32E-B-QFN24
EFM8LB12F32E-B-QFN24R
EFM8LB12F32E-B-QFN32
EFM8LB12F32E-B-QFN32R
EFM8LB12F32E-B-QFP32
EFM8LB12F32E-B-QFP32R
EFM8LB12F32ES0-B-QFN24
EFM8LB12F32ES0-B-QFN24R
EFM8LB12F32ES0-B-QFN32
EFM8LB12F32ES0-B-QFN32R
EFM8LB12F32E-B-QSOP24
EFM8LB12F32E-B-QSOP24R
EFM8LB12F64E-B-QFN24
EFM8LB12F64E-B-QFN24R
EFM8LB12F64E-B-QFN32
EFM8LB12F64E-B-QFN32R
EFM8LB12F64E-B-QFP32
EFM8LB12F64E-B-QFP32R
EFM8LB12F64ES0-B-QFN24
EFM8LB12F64ES0-B-QFN24R
EFM8LB12F64ES0-B-QFN32
EFM8LB12F64ES0-B-QFN32R
EFM8LB12F64E-B-QSOP24
EFM8LB12F64E-B-QSOP24R
EFM8LB10F16ES1-B-QFN24
EFM8LB10F16ES1-B-QFN24R
EFM8LB10F16ES1-B-QFN32
EFM8LB10F16ES1-B-QFN32R
EFM8LB11F16ES1-B-QFN24
EFM8LB11F16ES1-B-QFN24R
EFM8LB11F16ES1-B-QFN32
EFM8LB11F16ES1-B-QFN32R
EFM8LB11F32ES1-B-QFN24
EFM8LB11F32ES1-B-QFN24R
EFM8LB11F32ES1-B-QFN32
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EFM8LB12F32ES1-B-QFN24
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EFM8LB12F32ES1-B-QFN32
EFM8LB12F32ES1-B-QFN32R
EFM8LB12F64ES1-B-QFN24
EFM8LB12F64ES1-B-QFN24R
EFM8LB12F64ES1-B-QFN32
EFM8LB12F64ES1-B-QFN32R

This change is considered a minor change which does not affect form, fit, function, quality, or reliability. The information is being provided as a customer courtesy.

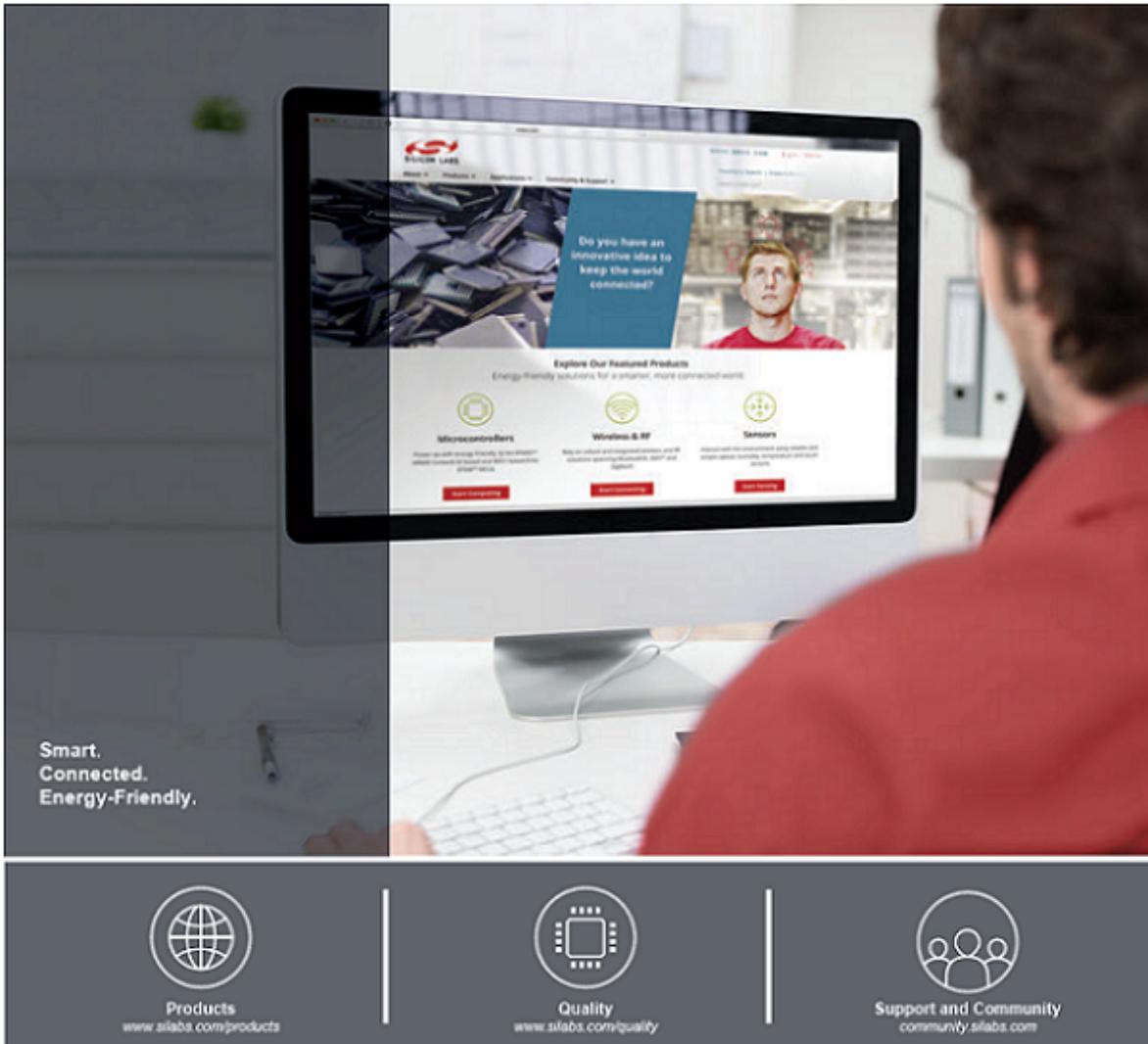
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Customer Actions Needed:

Review the datasheet changes and new ES1 OPNs.

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