



2104271011 EFP01 Datasheet Release v1.2

PCN Issue Date: Apr 27, 2021

Effective Date: Aug 02, 2021

PCN Type: Datasheet

Description of Change

Silicon Labs is pleased to announce the release of datasheet version 1.2 for the EFP01 Energy Friendly Power Management IC.

Reason for Change

Revision 1.2
March, 2021

- Corrected Top Mark Line 1 of EFP0110GM20-D and EFP0111GM20-D in Table 2.1 Ordering Information on page 3
- Added EFP0107 OPN to the following sections:
 - 1. Feature List
 - Table 2.1 Ordering Information on page 3
 - 5.1.3.4 EFP0107
 - Table 3.2 DCDC A Configuration and Modes Summary on page 9
 - 7.2 OTP Defaults
- Combined EFP0109 and EFP0110 Electrical Specification tables into single table 5.1.3.6 EFP0109 / EFP0110.
- Corrected out-of-reset default voltages in 3.1 Introduction and Table 2.1 Ordering Information on page 3.
- Corrected EM2 Maximum Output Current value in Table 3.8 Energy Modes Overview on page 22.
- VOB output programmable voltage maximum changed from 1.255V to 1.26V.
- EFP0111 VOA output programmable voltage maximum changed from 5.2V to 5.22V.
- Added absolute maximum voltage for EFP01 outputs pins to 5.1.1 Absolute Maximum Ratings.
- Added I2C timing in I2C Timing Specification.
- Added default voltage at startup and LDO dropout voltage to VOA, VOB, and VOC specification tables.
- Added note about the expected VOA shutdown behavior on devices configured for Boost Mode to 3.8.2 Shutdown Behavior.
- Added footnote to VOA, VOB, and VOC specification tables clarifying that for converters enabled by default, the total startup time is the sum of the TSTART and TBOOT times.
- Added footnote to VOB and VOC specification tables for EFP0108 and EFP0111 clarifying that VOB and VOC maximum output voltage is limited by the VOA voltage in these configurations.
- Added 3.2.1.7 NTM Buck/Boost Transitional Mode section for Buck/Boost operation.
- Added 3.2.1.10 Low Voltage Charge Pump section.
- Added Wired Buck to Typical Connection Diagrams.
- Added Buck/Boost typical efficiency plots.

Impact on Form, Fit, Function, Quality, Reliability

No impact on fit, function, quality or reliability. Form is impacted as described in the Change Reason section.

Product Identification

Existing Part #
EFP0104GM20-D
EFP0104GM20-DR
EFP0107GM20-D
EFP0107GM20-DR
EFP0108GM20-D
EFP0108GM20-DR
EFP0109GM20-D
EFP0109GM20-DR
EFP0110GM20-D
EFP0110GM20-DR
EFP0111GM20-D

EFP0111GM20-DR

Last Date of Unchanged Product: Aug 02, 2021

Qualification Samples

N/A

Customer Response

Lack of acknowledgment of the PCN within 30 days constitutes acceptance of the change, Ref. JEDEC-J-STD-046.

To request further data or inquire about this notification, please contact your Silicon Labs sales representative. A list of Silicon Labs sales representatives is available at <http://www.silabs.com>.

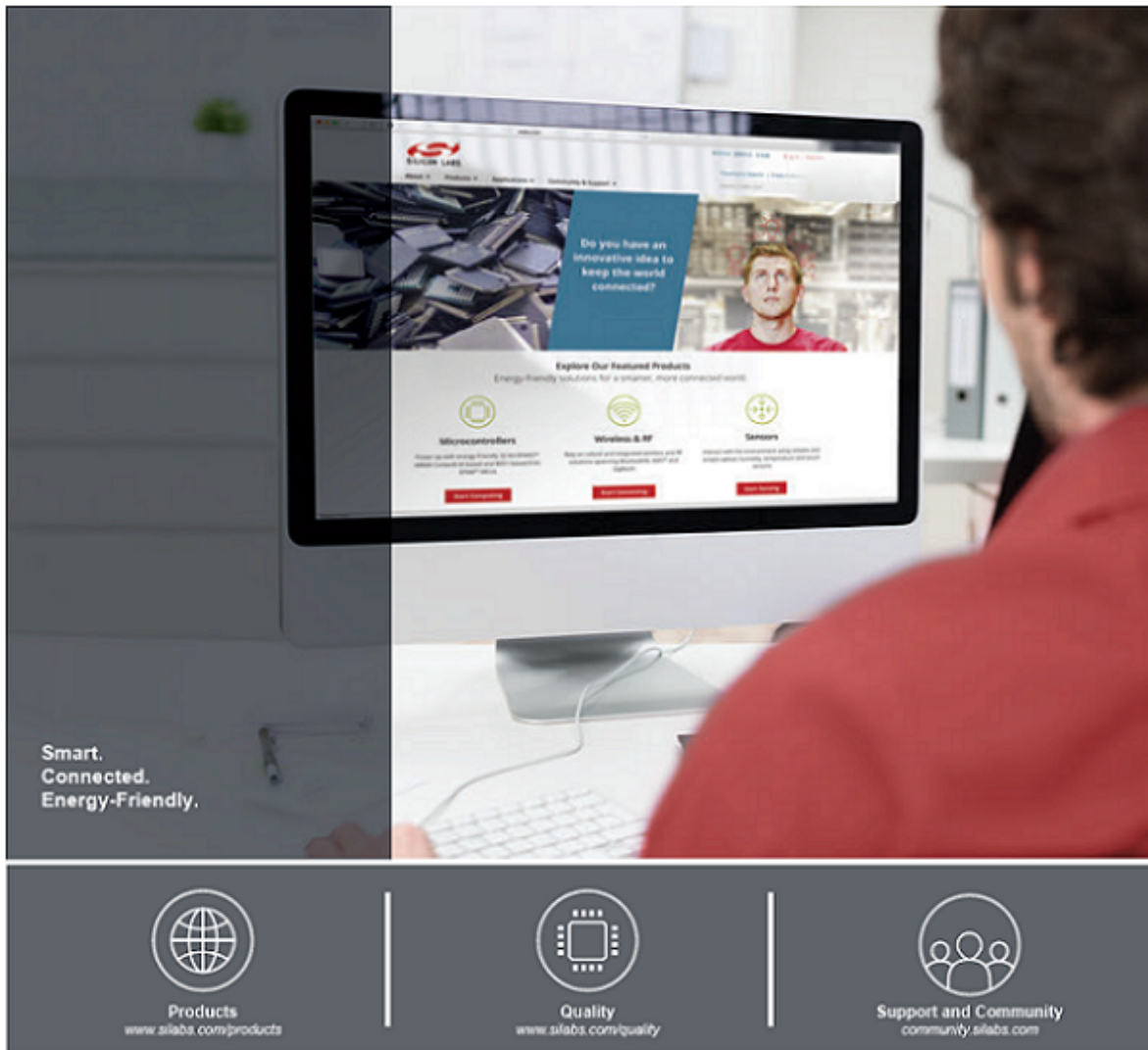
Customers may approve early PCN acceptance by emailing approval, along with PCN # to PCNEarlyAcceptance@silabs.com

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Qualification Data

N/A



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