



# 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>.

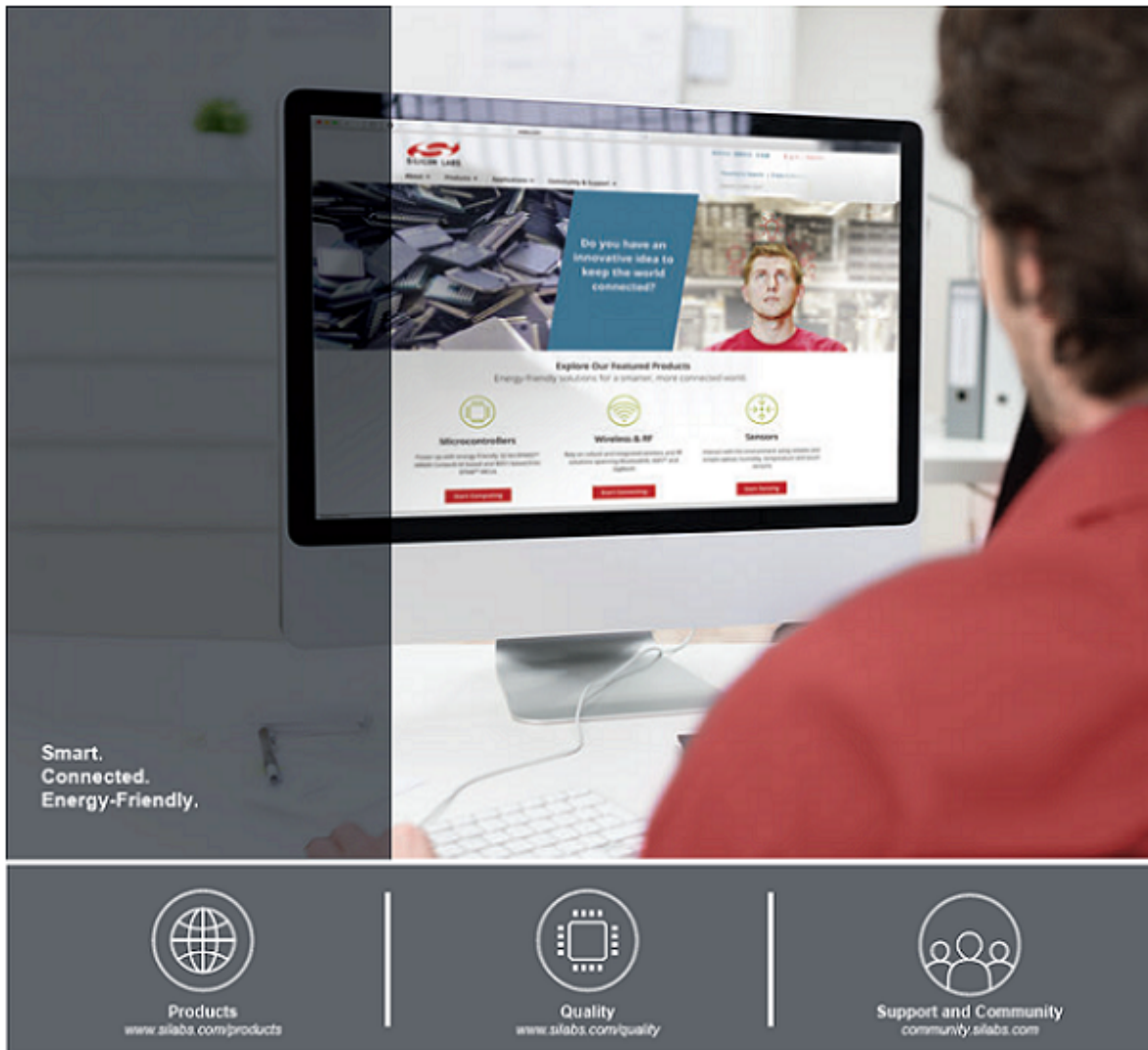
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### Qualification Data

N/A



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