



200915870 Si47920/21/23 Data Sheet Revision 1.3

PCN Issue Date: 9/15/2020

Effective Date: 12/21/2020

PCN Type: Datasheet

Description of Change

Silicon Labs is pleased to announce the release of the Si47920/21/23 data Sheet revision 1.3.

Revision 1.2 to 1.3 changes:

- Updated Table 1, "Recommended Operating Conditions," on page 5.
 - Added note stating that VIO1 and VIO2 must have the same voltage.
- Updated Table 3, "FM Analog Characteristics," on page 7.
 - Changed audio SNR in Stereo Modulation mode from 70 dB to 67 dB.
- Added new section, "7.2. Digital Radio Detect" on page 51.
- Updated "11. Ordering Guide" on page 60.
 - Added Weather Band to Si47923 device descriptions.
- Updated "14. Top Marking" on page 64.
 - "14.1. Si4792x Top Marking" line 2 was updated.
 - "14.2. Top Marking Explanation" updated as follows:
 - Manufacturing code reduced from 6 to 5 characters.
 - Last character from left changed to "0" for the Si47920 device, "1" for the Si47921 device, and "3" for the Si47923

Reason for Change

Updating Si47920/21/23 data sheet to revision 1.3

Impact on Form, Fit, Function, Quality, Reliability

The function changes are listed in the Change Description. There is no impact on form, fit, quality and reliability.

Product Identification

Existing Part #
SI47920A2GE1AM
SI47920A2GE1AMR
SI47920A2GE1GM
SI47920A2GE1GMR
SI47921A2GE1AM
SI47921A2GE1AMR
SI47921A2GE1GM
SI47921A2GE1GMR
SI47923A2GE1AM
SI47923A2GE1AMR

Last Date of Unchanged Product: 12/21/2020

Qualification Samples

Available upon request

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

User Registration

Register today to create your account on Silabs.com. Your personalized profile allows you to receive technical document updates, new product announcements, "how-to" and design documents, product change notices (PCN) and other valuable content available only to registered users. <http://www.silabs.com/profile>

Qualification Data

Not Applicable



Disclaimer

Silicon Labs intends to provide customers with the latest, accurate, and in-depth documentation of all peripherals and modules available for system and software implementers using or intending to use the Silicon Labs products. Characterization data, available modules and peripherals, memory sizes and memory addresses refer to each specific device, and "Typical" parameters provided can and do vary in different applications. Application examples described herein are for illustrative purposes only. Silicon Labs reserves the right to make changes without further notice and limitation to product information, specifications, and descriptions herein, and does not give warranties as to the accuracy or completeness of the included information. Silicon Labs shall have no liability for the consequences of use of the information supplied herein. This document does not imply or express copyright licenses granted hereunder to design or fabricate any integrated circuits. The products are not designed or authorized to be used within any Life Support System without the specific written consent of Silicon Labs. A "Life Support System" is any product or system intended to support or sustain life and/or health, which, if it fails, can be reasonably expected to result in significant personal injury or death. Silicon Labs products are not designed or authorized for military applications. Silicon Labs products shall under no circumstances be used in weapons of mass destruction including (but not limited to) nuclear, biological or chemical weapons, or missiles capable of delivering such weapons.

Trademark Information

Silicon Laboratories Inc.®, Silicon Laboratories®, Silicon Labs®, SiLabs® and the Silicon Labs logo®, Bluegiga®, Bluegiga Logo®, Clockbuilder®, CMEMS®, DSPLL®, EFM®, EFM32®, EFR, Ember®, Energy Micro, Energy Micro logo and combinations thereof, "the world's most energy friendly microcontrollers", Ember®, EZLink®, EZRadio®, EZRadioPRO®, Gecko®, ISOModem®, Micrium, Precision32®, ProSLIC®, Simplicity Studio®, SiPHY®, Telegesis, the Telegesis Logo®, USBXpress®, Zentri and others are trademarks or registered trademarks of Silicon Labs. ARM, CORTEX, Cortex-M3 and THUMB are trademarks or registered trademarks of ARM Holdings. Keil is a registered trademark of ARM Limited. All other products or brand names mentioned herein are trademarks of their respective holders.



Silicon Laboratories Inc.
400 West Cesar Chavez
Austin, TX 78701

<http://www.silabs.com>