

Microsemi Corporation

December 17, 2015

Customer Notification No: 153921**Customer Notice (CN) – No Action Required****Subject: Timberwolf ZL38051 Products Datasheet Update Notification****Description of Change:**

There is no change to the products, but Microsemi is informing customers of the following updates in the October 2015 Timberwolf ZL38051 product family datasheets:

1. A pull-down resistor is now required between the PCLKA/I2S_SCKA pin and ground. If TDMA is unused, then the pin should be tied to ground. If the TDMA bus is acting as a timing slave (host processor is driving the PCLKA/I2S_SCKA pin), then one of the following conditions must be met:
 - a. Host drives PCLKA/I2S_SCKA pin low during reset, or
 - b. Host tri-states PCLKA/I2S_SCKA during reset (the 100kOhm resistor will keep PCLKA low), or
 - c. Host drive PCLKA/I2S_SCKA at its normal frequency.
2. The TDM Interface section of the Datasheet (Section 3.1) has been revised to better specify the combinations of TDMA/TDMB clocking options.
3. Throughout the datasheet, clarified that the UART peripheral port is intended for Tuning and Debug operation, and not for host processor control of the device.
4. Power consumption is updated to reflect characterization data on newer firmware modes of operation.
5. 3.072 MHz clock operation added to DMIC_CLK in section 2.1.
6. Clarified HCS asserted to HCLK Rising Edge specification (section 10.2.1, SPI Slave Port Timing Parameters)
7. Updated the recommended 64-Pin QFN Land Pattern – Top View diagram.

Details and a complete revision history can be found at the end of the datasheet.

There is no change to the form, fit, or reliability of the products.

Reason for Change:

The changes to the datasheet are primarily intended to clarify the operation of the device, and also to specify an application circuit requirement (PCLKA pull-down) that was previously unforeseen.



Application Impact:

No impact to the form, fit, quality, or reliability. There is no change to the product manufacturing or testing.

Method of Identifying Changed Product:

Not applicable as there is no change to the product.

Products Affected by this Change:

ZL38051LDF1, ZL38051LDG1, ZL38051UGB2

Datasheet Availability:

A copy of the datasheet is now available via the Microsemi.com website:

http://www.microsemi.com/document-portal/doc_download/135197-zl38051-datasheet

Contact Information:

Communications and Medical Products Group
cmpg.quality@microsemi.com

Regards,

Microsemi Corporation

This Customer Notice (CN) is confidential and proprietary information of Microsemi and is intended only for distribution by Microsemi to its customers, for customers' use only. It must not be copied or provided to any third party without Microsemi's prior written consent.