

Errata for PCM510xEVM-U

The PCM5100EVM-U, PCM5101EVM-U, and PCM5102EVM-U (PCM510xEVM-U) evaluation boards conform functionally to the product user guide (SBAU190A), except for the anomaly described below.

Errata Index:

1. Oscillator availability.

1 Erratum #1: Oscillator Availability

Brief Description

The availability of the onboard 22.5792-MHz oscillator is limited.

Detailed Description

The PCM510xEVM Revision A does not have a 22.5792-MHz programmable oscillator because of restrictions in part availability. Sampling frequencies that are divisors of 22.5792 MHz such as 44.1 kHz or 88.2 kHz can still be derived using an external MCLK on the BNC connector or the TAS1020B 11.288 MHz MCLK.

Impact to Customer

There are no restrictions in functionality as a result of the lack of oscillator availability. However, performance may be slightly impacted when using sampling frequencies such as 44.1 kHz or 88.2 kHz, depending on the noise level of the selected MCLK input.

SW or HW Workaround

Users of the PCM510xEVM-U Revision A should use an external MCLK on the BNC connector or the TAS1020B 11.288 MHz MCLK.

The PCM510xEVM-U Revision B will have the 22.5792-MHz programmable oscillator installed on the board.

Affected Devices

PCM5100EVM-U, PCM5101EVM-U, and PCM5102EVM-U evaluation boards.

This errata applies only to Rev_A and Rev_B boards.

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