Integrated, Precision Battery Sensor for Automotive System

Silicon Anomaly

ADuCM331

This anomaly list describes the known bugs, anomalies, and workarounds for the ADuCM331. The anomaly listed applies to all ADuCM331 packaged materials branded as follows:

First Line ADuCM331
Second Line WDCPZ
Third Line L61

Analog Devices, Inc., is committed, through future silicon revisions, to continuously improving silicon functionality. Analog Devices tries to ensure that these future silicon revisions remain compatible with your present software/systems by implementing the recommended workarounds outlined here.

ADuCM331 FUNCTIONALITY ISSUES

Silicon Revision Identifier	Kernel Revision Identifier	Chip Marking	Silicon Status	Anomaly Sheet	No. of Reported Anomalies
L	L61	ADuCM331	Released	Rev. 0	1

FUNCTIONALITY ISSUES

Table 1. Kernel Downloader Page 63 Erase [er001]

Background	The ADuCM331 contains a built-in, local interconnect network (LIN) downloader for programming the 128 kB Flash/EE memory. The protocol the FlashEE downloader adheres to is detailed in the AN-946 Application Note, *Flash/EE Programming via LIN—Protocol 6*.
Issue	The following LIN protocol erase request for erasing Page 63 does not result in the final 2 kB page (Page 63) being erased: 0x3C, 0x7F, 0x06, 0x31, 0xFF, 0x00, 0x3F, 0x00, 0x01.
Workaround	Erase Page 63 before exiting the user code to enter the LIN download mode. Contact Analog Devices at ADuCM33x@analog.com for full details.
Related Issues	None.

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SECTION 1. ADuCM331 FUNCTIONALITY ISSUES

Reference Number	Description	Status
er001	Kernel downloader, Page 63 erase	Open

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