

ADIS16407 ANOMALIES

This anomaly list describes the known bugs, anomalies, and workarounds for the [ADIS16407](#).

Analog Devices, Inc., is committed, through future silicon revisions, to continuously improve 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.

ANOMALY STATUS

Reference Number	Description	Status	Date Code
er0001	XGYRO_OFF error after Burst-Mode read	Fixed	1247

XGRYO_OFF REGISTER ERROR AFTER BURST READ [er011]

Background	This product provides two different read functions: single-register and burst-read.
Issue	The XGYRO_OFF register provides a configurable offset correction register, which applies to the XGYRO_OUT output. After executing a burst-read sequence, XGYRO_OFF[15] resets to zero. If XGYRO_OFF contains a negative number, this causes a corruption of the offset correction in the x-axis gyroscope.
Workaround	Firmware Revision 1.7 incorporated changes that address this issue. The contents of Address 0x52 can serve as a switch variable in system firmware. If the contents of Address 0x52 are less than 0x18, then there are two choices for workarounds: (1) do not use burst-read or (2) avoid using XGYRO_OFF and implement the offset correction function in the system processor. For a visual reference, this issue will not exist on date codes 1247 and above.
Related Issues	None.

Rev. 0

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