



Low Profile, Low Noise Six Degrees of Freedom Inertial Sensor

Silicon Anomaly

ADIS16375

This anomaly list describes the known bugs, anomalies, and workarounds for the [ADIS16375](#).

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.

PERFORMANCE ISSUES

Table 1. PROD_ID Register Contains Incorrect Value [ER001]

Background	The ADIS16375 provides a register for product identification, PROD_ID. This register contains the binary equivalent of 16,375, or 0x3FF7. Prior to calibration, the automatic test software loads 0x0177 into the PROD_ID register, and then loads the register with 0x3FF7 after completing the calibration process. This requires operator input to verify passing units.
Issue	Due to operator error, units that have a date code of 1118 did not complete the last step of the test procedure correctly, leaving PROD_ID = 0x0177, instead of 0x3FF7. These units are fully functional, passed all electrical testing, and meet the performance expectations stated in the data sheet, with the exception of the PROD_ID register.
Workaround	For systems that use the PROD_ID as a switch variable in the system firmware, add 0x0177 as a value that denotes ADIS16375 . This issue has no effect on normal operation of these devices.
Related Issues	None.

ANOMALY STATUS

Reference Number	Description	Status	Date Code
er001	PROD_ID register contains incorrect value	Fixed	1118

Rev. 0

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