test

Product qualification

report

**TITLE:**

Test Site Transfer of AD8137YCP

From ADGT to StatsChipPac Malaysia

**REPORT NUMBER:**

**REVISION:**

A

**DATE:**

13 December 2011

**PROJECT BACKGROUND**

Test transfers are carried out to qualify subcontracted sites as an additional test site for ADI devices during which volumes of the devices may have sudden increase in requirement, and where ADGT capacity is a constraint.

**SUMMARY**

The AD8137YCP is a low cost differential driver with a rail-to-rail output that is ideal for driving ADCs in systems that are sensitive to power and cost. The device is currently tested in ADGT using Analog Devices’ proprietary test platform. To augment test manufacturing during increase in test volumes, the AD8137YCP is planned to be transferred to another ADI qualified test site, StatsChipPac Malaysia (SCM) on the Teradyne uFlex test platform.

There is no change to the form, fit, function, quality or reliability of the transferred parts.

This report documents the successful completion of the product test transfer requirements for the release of AD8137YCP from ADGT to SCM.

Test product qualification was performed according to Analog Devices Specification

 (ADI0012 / TST000137 / TST00095)

**TEST AND PRODUCT INFORMATION**

Device: AD8137

Package: CSP
Leads: 8

Part names: AD8137YCP

Tester: Teradyne uFlex

Handler: SRM-D248

**Description and Test Results (** Taken from the New Proposed Product Transfer Correlation Qual Criteria)

Table 1 provides a description of the qualification tests conducted and corresponding test results for AD8137YCP. All the units have undergone electrical tests on both the sending and receiving sites on the same test platform. Any device that did not meet the electrical qualification requirements without further analysis and data to prove passing, the qualification would be considered failed.

Table 1. Test Product Transfer Qual Criteria

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Generic | Package | Lot number | Lot Size | Sending Site | Receiving Site | Mean Shift=< 0.4sigma | Sigma Ratio=< 1.25 |
| AD8137 | CSP | 689359.1 | 10 | ADWilm | SCM | Passed | Passed |

The AD8137YCP was qualified by running three production lots at SCM. A passing result was recorded when the yields met or exceeded yields from similar lots tested at ADGT. Results from validation runs of the AD8137YCP are summarized in Table 2.

Table 2. Test Product Transfer Qualification Lot Run

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| GENERIC | Package | Lot number | Lot Size | Test Site | Results |
| AD8137 | CSP | 2174936.1 | 3524 | SCM | Passed |
| 2174938.1 | 3442 | SCM | Passed |
| 2174937.1 | 3558 | SCM | Passed |

**Approvals**

Product Engineer: Chris Wolfertz

**Additional Information**

Homepage: <http://www.analog.com>

Datasheet: <http://www.analog.com/static/imported-files/data_sheets/AD8137.pdf>

Customer Service: <http://www.analog.com/en/content/technical_support_page/fca.html>