



Product/Process Change Notice - PCN 24_0280 Rev. -

Analog Devices, Inc. One Analog Way, Wilmington, MA 01887, USA

This notice is to inform you of a change that will be made to certain ADI products (see Appendix A) that you may have purchased in the last 2 years. An acceptance or concern response should be submitted to ADI promptly. Any requests for samples of changed material or additional information must be made within 30 days of the notification. In accordance with JEDEC Standard 046, customers should acknowledge receipt of the PCN within 30 days of the PCN delivery. ADI contact information is listed below. Note: Revised fields are indicated by a red field name. See Appendix B for revision history.

Lack of acknowledgment of the PCN within 30 days constitutes acceptance of the change. After the acknowledgment, a lack of additional requests within 90 days constitutes acceptance of the change.

PCN Title:	Addition of UTAC Thailand (UT4) as an Alternate Final Test Site for AD242X Device
Publication Date:	06-Jan-2025
Effectivity Date:	10-Apr-2025 <i>(the earliest date that a customer could expect to receive changed material)</i>
Revision Description:	Initial Release.

Description Of Change:

Addition of UTAC Thailand (UT4) as an alternate Final Test Site for AD242X Device.

Reason For Change:

Adding capacity to ensure continuity of supply in order to meet customer demand.

Impact of the change (positive or negative) on fit, form, function & reliability:

There will be no change to fit, form, function or reliability of the parts.

Product Identification: *(this section will describe how to identify the changed material)*

Analog Devices maintains traceability internally to manufacturing location site via marking on the device.

Summary of Supporting Information:

Test correlation and validation has been performed per ADI's standard product site to site and/or platform change correlation procedure. See attached Correlation Report.

Supporting Documents:

Attachment 1: Type: Delta Qualification Matrix

ADI_PCN_24_0280_Rev_-_PCN-Delta-Qualification-Matrix-ZVEI-5_1_8.xlsm

Attachment 2: Type: Test Correlation Report

ADI_PCN_24_0280_Rev_-_AD242x_Test_Qualification_Report.pdf

Note: If applicable, the device material declaration will be updated due to material change.

ADI Contact Information:

For questions on this PCN, please send an email to the regional contacts below or contact your local ADI sales representatives.

Americas:	Europe:	Japan:	Korea:	Rest of Asia:
PCN_Americas@analog.com	PCN_Europe@analog.com	PCN_Japan@analog.com	PCN_Korea@analog.com	PCN_ROA@analog.com

Appendix A - Affected ADI Models:

Added Parts On This Revision - Product Family / Model Number (31)

AD2426W / AD2426WCCSZ	AD2426W / AD2426WCCSZ-RL	AD2426W / AD2426WCCSZ01	AD2426W / AD2426WCCSZ01-RL	AD2426W / AD2426WCCSZ03
AD2426W / AD2426WCCSZ03-RL	AD2427W / AD2427WCCSZ	AD2427W / AD2427WCCSZ-RL	AD2427W / AD2427WCCSZ01	AD2427W / AD2427WCCSZ01-RL
AD2427W / AD2427WCCSZ03	AD2427W / AD2427WCCSZ03-RL	AD2428 / AD2428BCPZ	AD2428 / AD2428KCPZ	AD2428W / AD2428WCCSZ
AD2428W / AD2428WCCSZ-RL	AD2428W / AD2428WCCSZ01	AD2428W / AD2428WCCSZ01-RL	AD2428W / AD2428WCCSZ02	AD2428W / AD2428WCCSZ02-RL
AD2428W / AD2428WCCSZ03	AD2428W / AD2428WCCSZ03-RL	AD2428W / ADW95185Z-01	AD2428W / ADW95185Z-01RL	AD2428W / ADW95186Z-01
AD2428W / ADW95186Z-01RL	AD2428W / ADW95187Z-01	AD2428W / ADW95187Z-01RL	AD2428W / ADW95190Z	AD2428W / ADW95190Z-RL
AD2428W / ADW99038Z-RL				

Appendix B - Revision History:

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	06-Jan-2025	10-Apr-2025	Initial Release.

TEST PRODUCT QUALIFICATION REPORT

TITLE:

Addition of UTAC Thailand (UT4) as an Alternate
Final Test Site for AD242X Device

REPORT NUMBER: 24_0280

REVISION:

A

DATE: December 12, 2024

PROJECT BACKGROUND

The UT1 issued a PCN to ADI informing them that they are ceasing Final Test operations and consolidating all Final Tests to UT4.

SUMMARY

The Automotive Audio Bus provides a multichannel, 1 2 S/TDM link over distances of up to 15 m between nodes. It embeds bidirectional synchronous pulse-code modulation (PCM) data (for example, digital audio), clock, and synchronization signals onto a single unshielded twisted pair (UTP) differential cable. A2 B supports a direct point-to-point connection and allows multiple, daisy-chained nodes at different locations to contribute and consume time division multiplexed channel content.

This device is tested in USG (Singapore) using the 93K16 platform.

The AD242X will be tested using the same test platform in UT4 as an additional test site.

This report documents the successful completion of the product test transfer requirements for the release of testing of AD242X and other derivatives in UT1.

TEST AND PRODUCT INFORMATION

Device:	AD2428, AD2426W, AD2427W, AD2428W
Package:	32-LFCSP-5X5X0.75
Leads:	32

Tester:	93K16
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Handler:	HT1028C HON TECH
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Description and Test Results (Taken from the New Proposed Product Transfer Correlation Qualification Criteria)

Table 1 describes the qualification tests conducted and the corresponding test results for AD2428. All units have been subjected to electrical tests on both the sending and receiving sites on the same test platform. Any device that does not meet the electrical qualification requirements, without further analysis and data to prove passing, will be considered a failure.

Table 1. Test Product Transfer Qualification Criteria

Generic	Package	Lot number	Lot Size	Sending Site	Receiving Site	% Mean Shift Criteria =< 5	Sigma Spread Criteria =< 1.3
AD2428	LFCSP	KGU	100	UT1	UT4	PASSED	PASSED

The AD2428 was qualified by running a qualification lot of 100 units at both UT1 and UT4. Data from the two sites was analyzed, as summarized in Table 1. A passing result was recorded if the yield from the receiving site met or exceeded the yield from the sending site, as summarized in Table 2. Succeeding lots with increased quantity will be closely monitored once the device has begun a production run at STA.

Table 2. Test Product Transfer Qualification Lot Run

Generic	Package	Lot number	Lot Size	Test Site	Results
AD2428	32-LFCSP-5X5X0.75	KGU	100	USG	PASSED

Table 3 shows that rejected units on both UT1 and UT4 failed on the same test parameters.

Table 3: Test Product Reject Verification Criteria

GENERIC	Package	Lot number	Lot Size (units)	Reject units failed on the same test parameter for both UT1 and UT4?
AD2428	32-LFCSP-5X5X0.75	KGU	5	YES

Approvals

TRB-68768
Technical Review Board

Additional Information

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

Datasheet: [AD2426/AD2427/AD2428 \(Rev. F\)](#)

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