



Product/Process Change Notice - PCN 13_0246 Rev. B

Analog Devices, Inc. Three Technology Way Norwood, Massachusetts 02062-9106

This notice is to inform you of a change that will be made to certain ADI products (see Material Report). Any issues with this PCN or requirements to qualify the change (additional data or samples) must be sent to ADI within 30 days of publication date. ADI contact information is listed below.

Note: Revised fields are indicated by a red field name. See Appendix B for revision history.

PCN Title: Assembly and Test Transfer of Select 3x3, 4x4, 5x5 and 7x7 mm LFCSP Pre-plated Leadframe Products to STATS ChipPAC China

Publication Date: 25-Jun-2014

Effectivity Date: 07-Jul-2014 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Add Qualification Result Summary
Add Test Correlation Report
Added parts

Description Of Change

ADI is transferring to subcontractor STATS ChipPAC China for the assembly and test manufacturing of ADI 3x3, 4x4, 5x5 and 7x7 mm LFCSP pre-plated leadframe products. The package outline dimensions and BOM of each product will be maintained.

Reason For Change

ADI is transferring to STATS ChipPAC China due to the closure of STATS ChipPAC Malaysia at the end of 2014.

ADI's assembly subcontractors manufacture products using Analog Devices specified manufacturing flows, materials, process controls and monitors, ensuring the same level of quality and reliability on products they receive from the new site.

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

The transfer will have no impact on the form, fit, function and reliability of the devices.

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

The parts that will be assembled after the transfer will be identified by assembly lot and the country of origin.

Summary of Supporting Information

Qualification has been performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Report Summary.

Test correlation has been performed and validated. Please see the attached list for the Test Correlation summary.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_13_0246_Rev_B_Qualification Result Summary.pdf

Attachment 2: Type: Test Correlation Report

ADI_PCN_13_0246_Rev_B_Test Correlation Report 0612.pdf

Attachment 3: Type: Detailed Change Description

ADI_PCN_13_0246_Rev_B_BOM.pptx

For questions on this PCN, send email to the regional contacts below or contact your local ADI sales representative

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

Appendix A - Affected ADI Models**Existing Parts - Product Family / Model Number (9)**

ADA4930-1 / ADA4930-1SCPZ-EPR2	ADA4930-1 / ADA4930-1SCPZ-EPR7	ADA4930-1 / ADA4930-1SCPZ-EPRL	ADF7020 / AD45203Z-RL	ADF7023 / AD57005Z-0RL
ADF7023 / ADF7023BCPZ	ADF7023 / ADF7023BCPZ-RL	ADP2384 / ADP2384ACPZN-R7	ADP2386 / ADP2386ACPZN-R7	

Added Parts On This Revision - Product Family / Model Number (2)

ADF7024 / ADF7024BCPZ	ADF7024 / ADF7024BCPZ-RL			
-----------------------	--------------------------	--	--	--

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	07-Nov-2013	18-May-2014	Initial Release
Rev. A	05-Dec-2013	18-May-2014	Add 4x4 mm LFCSP parts
Rev. B	25-Jun-2014	07-Jul-2014	Add Qualification Result Summary Add Test Correlation Report Added parts

Analog Devices, Inc.

DocId:2929 Parent DocId:None Layout Rev:7

**Qualification Results Summary for
LFCSP Package in NiPdAu Pre-plated Leadframe
at STATS ChipPAC China (SCC)**

QUALIFICATION RESULTS			
Test	Specifications	Sample Size	Result
Temperature Cycle (TC)*	JEDEC JESD22-A104	3 x 77	PASS
Solder Heat Resistance (SHR)*	JEDEC/IPC J-STD-020	3 x 11	PASS
Low Temperature Storage (LTS)	JEDEC JESD22-A119	3 x 77	PASS
Field Induced Charged Device Model (FICDM)	JEDEC JESD22-C101	3/Voltage	PASS ±1250V

*Preconditioned per JEDEC/IPC J-STD-020

<u>FG Part Number</u>	<u>Test Correlation Status</u>
ADA4930-1SCPZ-EPR2	Pass
ADA4930-1SCPZ-EPR7	Pass
ADA4930-1SCPZ-EPRL	Pass
AD45203Z-RL	Pass
AD57/005Z-ORL	Pass
ADF7023BCPZ	Pass
ADF7023BCPZ-RL	Pass
ADP2384ACPZN-R7	Pass
ADP2386ACPZN-R7	Pass
ADF7024BCPZ	Pass
ADF7024BCPZ-RL	Pass