



Product/Process Change Notice - PCN 17_0211 Rev. -

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 Appendix A) that you may have purchased in the last 2 years. **Any inquiries or requests with this PCN (additional data or samples) must be sent to ADI within 30 days of publication date.** ADI contact information is listed below.

PCN Title: ADuM7640/ADuM7641/ADuM7642/ADuM7643 Polyimide Overcoat Addition and Assembly Site Transfer

Publication Date: 08-Jan-2018

Effectivity Date: 12-Apr-2018 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Initial Release

Description Of Change

Assembly Site:

ADI has qualified and will be utilizing assembly subcontractor ASE Chungli, Taiwan for assembly of 20L QSOP Isolator products. ADI has qualified ASE Chungli's standard bill of materials in the QSOP. See material set changes attachment for details.

Die:

Adding a polyimide passivation layer on top of the non-coil dice.

Reason For Change

Assembly Site:

To align with ADI's isolator manufacturing strategy. The use of ADI qualified ASE Chungli as an assembly site for this package will ensure continued source of product supply. ADI's assembly subcontractors manufacture our products using Analog Devices specified manufacturing flows, process controls and monitors. This assures that our customers receive the same level of quality and reliability on products they receive from qualified ADI manufacturing locations.

Die:

Polyimide overcoats offer enhanced protection against die scratches, package stresses and surface ESD/EOS events.

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

Changes will not impact fit, form or function.

Summary of Supporting Information

Qualification has been performed per Industry Standard Test Methods. See attached Qualification Results Summary.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_17_0211_Rev_-_ADuM764x Qualification Results Summary.pdf

Attachment 2: Type: Detailed Change Description

ADI_PCN_17_0211_Rev_-_ADuM764x Material Set Changes from Carsem to ASE.pdf

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

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

Added Parts On This Revision - Product Family / Model Number (16)

ADUM7640 / ADUM7640ARQZ	ADUM7640 / ADUM7640ARQZ-RL7	ADUM7640 / ADUM7640CRQZ	ADUM7640 / ADUM7640CRQZ-RL7	ADUM7641 / ADUM7641ARQZ
ADUM7641 / ADUM7641ARQZ-RL7	ADUM7641 / ADUM7641CRQZ	ADUM7641 / ADUM7641CRQZ-RL7	ADUM7642 / ADUM7642ARQZ	ADUM7642 / ADUM7642ARQZ-RL7
ADUM7642 / ADUM7642CRQZ	ADUM7642 / ADUM7642CRQZ-RL7	ADUM7643 / ADUM7643ARQZ	ADUM7643 / ADUM7643ARQZ-RL7	ADUM7643 / ADUM7643CRQZ
ADUM7643 / ADUM7643CRQZ-RL7				

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	08-Jan-2018	12-Apr-2018	Initial Release

Analog Devices, Inc.

DocId:4307 Parent DocId:3992 Layout Rev:7