



Product/Process Change Notice - PCN 21_0022 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: OP4177 Die Revision, Wafer Fabrication Process Change & Conversion to Copper Wire

Publication Date: 16-Feb-2021

Effectivity Date: 21-May-2021 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:
Initial Release.

Description Of Change:

- 1) Wafer fabrication process is changing from HVBP1 to XFCB40
- 2) Layout has been revised to accommodate the fabrication process change. This includes the transistor layout, rerouting of circuitry and bond pad location
- 3) Polyimide thickness is increasing from 5um to 17um
- 4) Conversion of bond wire material from Gold to Copper

Reason For Change:

Migrating the OP4177 to a newer process to improve capacity utilization to ensure longevity of the supply chain.

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

The new material will meet or exceed the performance of the existing material. There will be no changes to form, fit, function and reliability.

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

Cut-Over Date Code provided upon request.

Summary of Supporting Information:

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

Comments

The old die will be available with gold wire as the OP4177CARUZ & OP4177CARUZ-R7.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_21_0022_Rev_-_OP4177_Qualification_Results_Summary.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:
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Japan:
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Rest of Asia:
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Appendix A - Affected ADI Models

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

OP4177 / OP4177ARUZ

OP4177 / OP4177ARUZ-REEL

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	16-Feb-2021	21-May-2021	Initial Release.

Analog Devices, Inc.

DocId:8425 Parent DocId:8203 Layout Rev:7