



## Product/Process Change Notice - PCN 10\_0187 Rev. -

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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.

**PCN Title:** REF19x Die Coat Change on SOIC models

**Publication Date:** 06-Aug-2010

**Effectivity Date:** 04-Nov-2010 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

Change die coat material from Polyimide to Gelcoat on all REF19XSOIC models.

### Reason For Change

The Output Voltage shift due to Solder Heat Effect using Gelcoat is reduced by a factor of 3 vs the current production material using Polyimide die coat.

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

The change will result in improved resistance to Solder Heat effect by a factor of 3.

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

REF19x SOIC parts with Date Code 1101 (or #101) and thereafter will use the Gelcoat material.

### Summary of Supporting Information

The use of Gelcoat on REF19x SOIC had been previously qualified per RQ93-006. Output Voltage shift due to Solder Heat Effect additional data collected on both the current Polyimide material and Gelcoat material are provided as supporting documents as attached.

### Supporting Documents

**Attachment 1: Type:** Detailed Change Description

ADI\_PCN\_10\_0187\_Rev\_-\_Polyimide - Solder Heat Effect.JPG

**Attachment 2: Type:** Detailed Change Description

ADI\_PCN\_10\_0187\_Rev\_-\_Gelcoat - Solder Heat Effect.JPG

**Attachment 3: Type:** Reliability Report

ADI\_PCN\_10\_0187\_Rev\_-\_RQ93-006.pdf

**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**

**Added Parts On This Revision - Product Family / Model Number (65)**

REF191 / REF191ES	REF191 / REF191ES-REEL	REF191 / REF191ESZ	REF191 / REF191ESZ-REEL	REF191 / REF191GS	REF191 / REF191GS-REEL
REF191 / REF191GSZ	REF191 / REF191GSZ-REEL	REF192 / REF192ES	REF192 / REF192ES-REEL	REF192 / REF192ES-REEL7	REF192 / REF192ESZ
REF192 / REF192ESZ-REEL	REF192 / REF192ESZ-REEL7	REF192 / REF192FS	REF192 / REF192FS-REEL	REF192 / REF192FS-REEL7	REF192 / REF192FSZ
REF192 / REF192FSZ-REEL	REF192 / REF192FSZ-REEL7	REF192 / REF192GS	REF192 / REF192GS-REEL	REF192 / REF192GS-REEL7	REF192 / REF192GSZ
REF192 / REF192GSZ-REEL	REF192 / REF192GSZ-REEL7	REF193 / REF193GSZ	REF193 / REF193GSZ-REEL	REF194 / REF194ES	REF194 / REF194ESZ
REF194 / REF194ESZ-REEL	REF194 / REF194GS-REEL	REF194 / REF194GS-REEL7	REF194 / REF194GSZ	REF194 / REF194GSZ-REEL	REF194 / REF194GSZ-REEL7
REF195 / REF195ES	REF195 / REF195ES-REEL	REF195 / REF195ESZ	REF195 / REF195ESZ-REEL	REF195 / REF195FS	REF195 / REF195FS-REEL
REF195 / REF195FSZ	REF195 / REF195FSZ-REEL	REF195 / REF195GS	REF195 / REF195GS-REEL	REF195 / REF195GS-REEL7	REF195 / REF195GSZ
REF195 / REF195GSZ-REEL	REF195 / REF195GSZ-REEL7	REF196 / REF196GSZ	REF196 / REF196GSZ-REEL	REF196 / REF196GSZ-REEL7	REF198 / REF198ES
REF198 / REF198ES-REEL	REF198 / REF198ESZ	REF198 / REF198ESZ-REEL	REF198 / REF198ESZ-REEL7	REF198 / REF198FS-REEL	REF198 / REF198FSZ
REF198 / REF198FSZ-REEL	REF198 / REF198GS	REF198 / REF198GS-REEL	REF198 / REF198GSZ	REF198 / REF198GSZ-REEL	

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Rev Description</b>
Rev. -	06-Aug-2010	Initial Release

Analog Devices, Inc.

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