



## Product/Process Change Notice - PCN 09\_0257 Rev. A

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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.

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

**PCN Title:** Die revision of ADE7566 and ADE7569 to include input sampling structure improvement

**Publication Date:** 13-Jan-2010

**Effectivity Date:** 02-Mar-2010 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

NOTE: Rev F silicon was released in November of 2007. The attached qual report is dated February 2008 (#5477). The qual activity in this report was performed on Rev F silicon which is the correct die revision covered by this PCN

### Description Of Change

The metal mask was changed to improve the performance of the current and voltage modulators.

### Reason For Change

To reduce reference offset and input current leakage during multiplexing inputs for the ADE7566 and ADE7569.

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

The metal edits will not affect form, fit or function. The performance of the part will continue to match the datasheet specification.

### Summary of Supporting Information

ESD and latch up were performed per Analog Devices specification ADI0012. See attached qualification report.

### Supporting Documents

**Attachment 1:** Type: Reliability Report

ADI\_PCN\_09\_0257\_Rev\_A\_ADE7169 report 20Feb08.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					
Existing Parts - Product Family / Model Number (8)					
ADE7566 / ADE7566ASTZF16	ADE7566 / ADE7566ASTZF16-RL	ADE7566 / ADE7566ASTZF8	ADE7566 / ADE7566ASTZF8-RL	ADE7569 / ADE7569ASTZF16	ADE7569 / ADE7569ASTZF16-RL
ADE7569 / ADE7569ASTZF8	ADE7569 / ADE7569ASTZF8-RL				

Appendix B - Revision History		
Rev	Publish Date	Rev Description
Rev. -	02-Dec-2009	Initial Release
Rev. A	13-Jan-2010	NOTE: Rev F silicon was released in November of 2007. The attached qual report is dated February 2008 (#5477). The qual activity in this report was performed on Rev F silicon which is the correct die revision covered by this PCN

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