Product/Process Change Notice - PCN 19_0080 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: ADIS1649X Layout Change

Publication Date: 26-Jun-2019

Effectivity Date: 28-Sep-2019 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:
Initial Release

Description Of Change:

Add voltage supervisory circuitry to limit the in-rush current of the module during turn on, which requires a layout change and additional components.

Reason For Change:

Prevent in-rush current during power turn on which can reach up to 2 amps and cause damage to the MEMS sensors.

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

Adds protection to reduce in-rush current @ turn on.

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

Earliest Possible date that will include the change is DC1932

Summary of Supporting Information:

Qualification will be performed per Industry Standard Test Methods. See attached Qualification Plan.

Supporting Documents

Attachment 1: Type: Qualification Plan

ADI_PCN_19_0080_Rev_-_PCN19_0080Attachment.docx

For questions on this PCN, please send an email to the regional contacts below or contact your local ADI sales representatives.			
Americas:	**Europe:**	**Japan:**	**Rest of Asia:**
PCN_Americas@analog.com	PCN_Europe@analog.com	PCN_Japan@analog.com	PCN_ROA@analog.com

Appendix A - Affected ADI Models				
Added Parts On This Revision - Product Family / Model Number (8)				
ADIS16490 / ADIS16490BMLZ	ADIS16495 / AD24495	ADIS16495 / ADIS16495-1BMLZ	ADIS16495 / ADIS16495-2BMLZ	ADIS16495 / ADIS16495-3BMLZ
ADIS16497 / ADIS16497-1BMLZ	ADIS16497 / ADIS16497-2BMLZ	ADIS16497 / ADIS16497-3BMLZ		

Appendix B - Revision History			
Rev	**Publish Date**	**Effectivity Date**	**Rev Description**
Rev. -	26-Jun-2019	28-Sep-2019	Initial Release

PCN 19_0080 Qualification Plan Summary for ADIS1649x Product Revision

QUALIFICATION PLAN				
PRODUCT	**TEST**	**SPECIFICATION**	**SAMPLE SIZE**	**EXPECTED COMPLETION DATE**
ADIS1649X	High Temperature Operating Life, 500 hours (HTOL)	MIL-STD-883 TM1015	**16**	**August 5, 2019**
	Temperature Cycle, 500 cycles (TC)	JEDEC *JESD22-A104*	**16**	**August 5, 2019**