



## Product/Process Change Notice - PCN 21\_0101 Rev. -

Analog Devices, Inc. One Analog Way, Wilmington, MA 01887

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:** ADIS1648X IMU Package Dimension Tolerance Change

**Publication Date:** 19-Aug-2021

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

### Revision Description:

Initial Release.

### Description Of Change:

The purpose of this change is to improve the tolerances of several mechanical features and dimensions. Tightening package outline tolerancing. Changing lid Alignment hole diameter to prevent eclipsing.

### Reason For Change:

Improve manufacturability of system level mechanical interfaces for our customers.

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

Form, fit, function unchanged. Likely change to reliability; change the tolerances of the alignment holes and mechanical registration holes to prevent eclipsing at the customer interface.

### Summary of Supporting Information:

No Qualification required.

### Supporting Documents

**Attachment 1: Type:** Package Outline Drawing

ADI\_PCN\_21\_0101\_Rev\_-PCN\_ADIS1648x POD Updates.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 (6)**

|                             |                           |                             |                            |                            |
|-----------------------------|---------------------------|-----------------------------|----------------------------|----------------------------|
| ADIS16480 / ADIS16480BMLZ   | ADIS16485 / ADIS16485BMLZ | ADIS16486 / ADIS16486BMLZ-P | ADIS16488A / ADIS16488BMLZ | ADIS16488A / ADIS16488CMLZ |
| ADIS16489 / ADIS16489BMLZ-P |                           |                             |                            |                            |

**Appendix B - Revision History**

| <b>Rev</b> | <b>Publish Date</b> | <b>Effectivity Date</b> |                  | <b>Rev Description</b> |
|------------|---------------------|-------------------------|------------------|------------------------|
| Rev. -     | 19-Aug-2021         | 21-Nov-2021             | Initial Release. |                        |

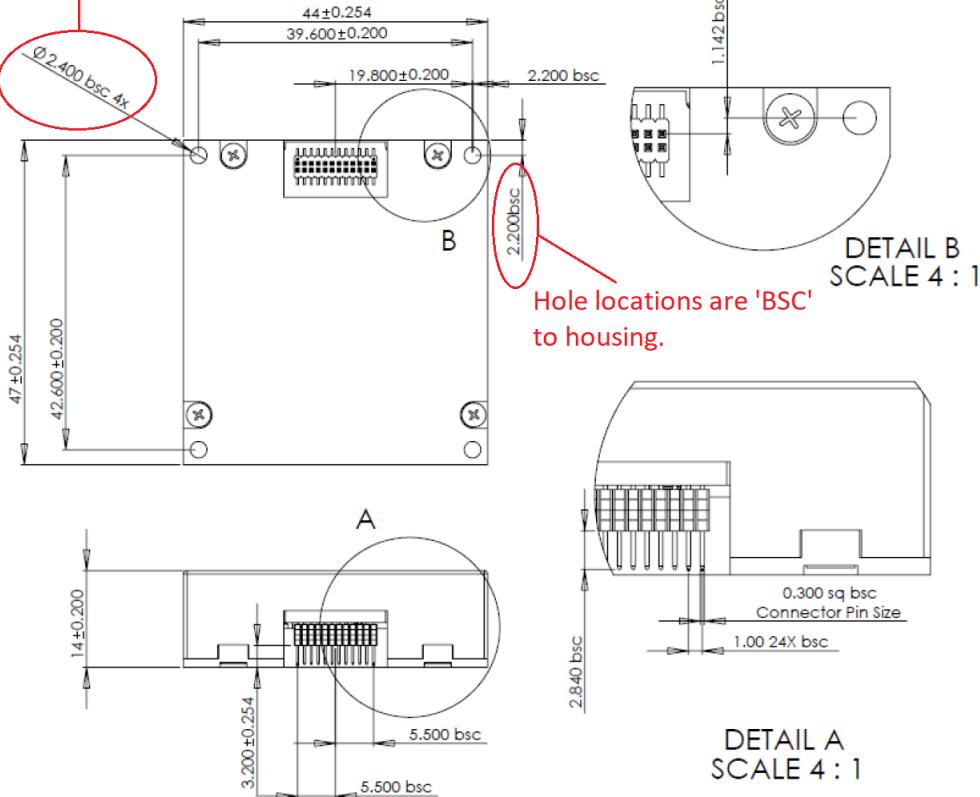
Analog Devices, Inc.

DocId:8526 Parent DocId:None Layout Rev:7

## ADiS IMU 44X47X14 Package Outline Drawing (First used on ADiS16375)

Hole diameters are not  
toleranced (BSC)

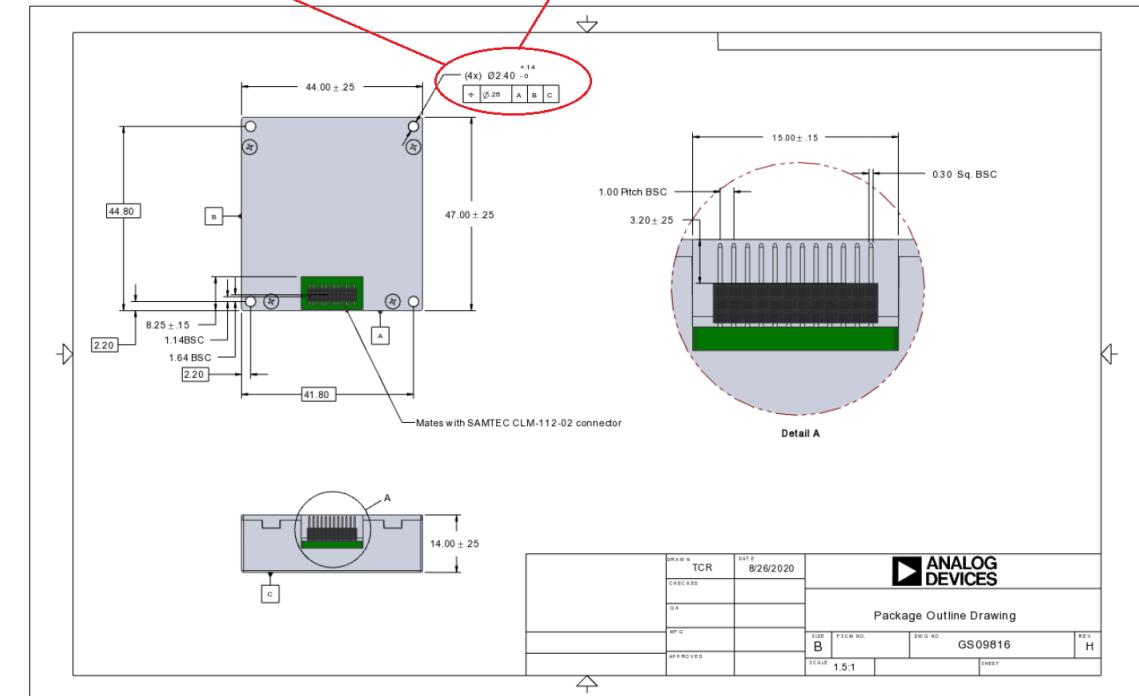
REV G



**Mounting hole diameters are  
toleranced.  
(from a non-tolerance)**

REV H

Utilizes GD&T to accurately locate mounting holes. Holes are in same location.



These changes allow customers to accurately and repeatably place the mating fastener holes. This has been at our primary customer's request.