



Product/Process Change Notice - PCN 23_0025 Rev. A

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

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.

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

PCN Title:	Package Outline Drawing and Data Sheet Revision for Select LFCSP Products in Amkor
Publication Date:	06-Nov-2023
Effectivity Date:	08-Feb-2024 <i>(the earliest date that a customer could expect to receive changed material)</i>
Revision Description:	1) Update Package Outline Drawing List Attachment and Device list. 2) Removed parts.

Description Of Change:

1)Revision of Package Outline Drawing (POD) for LFCSP, particularly on the flange (A3 feature) to include 0.3mm flange thickness as additional option to the 0.2mm flange thickness.

2)Data Sheet revision.

Reason For Change:

Amkor proposed to implement a thicker flange using the Edge Protection Technology (EPT) feature to improve the package robustness. POD and Data Sheet updated to include this option.

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

No impact to fit, form, function, and reliability. The flange (A3) is a reference (REF) feature which has no tolerance, thus change in thickness still complies with JEDEC package outline drawing

Summary of Supporting Information:

No qualification is required. Data Sheet changes will be documented in Product Data Sheets for affected material. See attached for affected Package Outline Drawings and Edge Protection Technology performance data.

Supporting Documents

Attachment 1: Type: Package Outline Drawing

[ADI_PCN_23_0025_Rev_A_Affected Package Outline Drawings.pdf...](#)

Attachment 2: Type: Qualification Results Summary

[ADI_PCN_23_0025_Rev_A_EPT Performance Data.pdf...](#)

Note: If applicable, the device material declaration will be updated due to material change.

ADI Contact Information:

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:

Existing Parts - Product Family / Model Number (302)

AD53665 / AD53665BCPZ-03	AD53665 / AD53665BCPZ-039	AD5410 / AD5410ACPZ-REEL	AD5410 / AD5410ACPZ-REEL7	AD5412 / AD5412ACPZ-REEL
AD5412 / AD5412ACPZ-REEL7	AD5420 / AD5420ACPZ-REEL	AD5420 / AD5420ACPZ-REEL7	AD5422 / AD5422ACPZ-REEL	AD5422 / AD5422ACPZ-REEL7
AD5422 / AD5422BCPZ-REEL	AD5422 / AD5422BCPZ-REEL7	AD5755 / AD11/2081Z-RL7	AD6643 / AD6643BCPZ-200	AD6643 / AD6643BCPZ-250
AD6643 / AD6643BCPZRL7-200	AD6643 / AD6643BCPZRL7-250	AD6649 / AD6649BCPZ	AD6649 / AD6649BCPZRL7	AD6684 / AD6684BCPZ-500
AD6684 / AD6684BCPZRL7-500	AD6684 / AD89029BCPZ-500	AD6684 / AD89029BCPZRL-500	AD74410 / AD90-002Z-0RL	AD74410 / AD90/001Z-0RL
AD7727 / AD7727BCPZRL	AD80226 / AD80226BCPZ-125	AD80226 / AD80226BCPZRL-125	AD80362 / AD80362BCPZ	AD80362 / AD80362BCPZ-REEL7
AD8158 / AD8158ACPZ	AD8195 / AD8195ACPZ	AD8195 / AD8195ACPZ-R7	AD8339 / AD8339ACPZ	AD8339 / AD8339ACPZ-R7
AD8339 / AD8339ACPZ-RL	AD9094 / AD9094BCPZ-1000	AD9094 / AD9094BCPZRL7-1000	AD9114 / AD9114BCPZ	AD9114 / AD9114BCPZRL7
AD9115 / AD9115BCPZ	AD9115 / AD9115BCPZRL7	AD9116 / AD9116BCPZ	AD9116 / AD9116BCPZRL7	AD9117 / AD9117BCPZ
AD9117 / AD9117BCPZRL7	AD9121 / AD9121BCPZ	AD9121 / AD9121BCPZRL	AD9122 / AD9122BCPZ	AD9122 / AD9122BCPZRL
AD9122 / AD9122SCPZ-EP	AD9122 / AD9122SCPZ-EP-RL	AD9125 / AD9125BCPZ	AD9125 / AD9125BCPZRL	AD9135 / AD9135BCPAZ
AD9135 / AD9135BCPAZRL	AD9135 / AD9135BCPZ	AD9135 / AD9135BCPZRL	AD9136 / AD9136BCPAZ	AD9136 / AD9136BCPZRL
AD9136 / AD9136BCPZ	AD9136 / AD9136BCPZRL	AD9138 / AD80363BCPZ	AD9138 / AD80363BCPZRL	AD9138 / AD80363BCPZ
AD9138 / AD80363BCPZRL	AD9139 / AD9139BCPZ	AD9139 / AD9139BCPZRL	AD9142A / AD9142ABCPZ	AD9142A / AD9142ABCPZRL
AD9144 / AD80314BCPZ	AD9144 / AD80314BCPZRL	AD9144 / AD9144BCPAZ	AD9144 / AD9144BCPAZRL	AD9144 / AD9144BCPZ
AD9144 / AD9144BCPZRL	AD9154 / AD9154BCPAZ	AD9154 / AD9154BCPZRL	AD9154 / AD9154BCPZ	AD9154 / AD9154BCPZRL
AD9234 / AD80381BCPZ	AD9234 / AD80381BCPZRL7	AD9239 / AD9239BCPZ-210	AD9301 / AD80354BCPZ	AD9301 / AD80354BCPZ-RL7
AD9389B / AD89013BCPZ	AD9389B / AD9389BBCPZ-165	AD9389B / AD9389BBCPZ-165-RL	AD9389B / AD9389BBCPZ-80	AD9462 / AD9462BCPZRL7-125
AD9467 / AD9467BCPZ-200	AD9467 / AD9467BCPZ-250	AD9467 / AD9467BCPZRL7-200	AD9467 / AD9467BCPZRL7-250	AD9467 / AD9467SCPZ-250-EP
AD9467 / AD9467SCPZ250EPRL7	AD9520-0 / AD9520-0BCPZ	AD9520-0 / AD9520-0BCPZ-REEL7	AD9520-1 / AD9520-1BCPZ	AD9520-1 / AD9520-1BCPZ-REEL7
AD9520-2 / AD9520-2BCPZ	AD9520-2 / AD9520-2BCPZ-REEL7	AD9520-3 / AD9520-3BCPZ	AD9520-3 / AD9520-3BCPZ-REEL7	AD9520-4 / AD9520-4BCPZ
AD9520-4 / AD9520-4BCPZ-REEL7	AD9520-5 / AD9520-5BCPZ	AD9520-5 / AD9520-5BCPZ-REEL7	AD9522-0 / AD9522-0BCPZ	AD9522-0 / AD9522-0BCPZ-REEL7
AD9522-1 / AD9522-1BCPZ	AD9522-1 / AD9522-1BCPZ-REEL7	AD9522-2 / AD9522-2BCPZ	AD9522-2 / AD9522-2BCPZ-REEL7	AD9522-3 / AD9522-3BCPZ
AD9522-3 / AD9522-3BCPZ-REEL7	AD9522-4 / AD9522-4BCPZ	AD9522-4 / AD9522-4BCPZ-REEL7	AD9522-5 / AD9522-5BCPZ	AD9522-5 / AD9522-5BCPZ-REEL7
AD9523 / AD9523BCPZ	AD9523 / AD9523BCPZ-REEL7	AD9523-1 / AD80307BCPZ	AD9523-1 / AD80307BCPZ-REEL7	AD9523-1 / AD9523-1BCPZ
AD9523-1 / AD9523-1BCPZ-REEL7	AD9524 / AD9524BCPZ	AD9524 / AD9524BCPZ-REEL7	AD9528 / AD9528BCPZ	AD9528 / AD9528BCPZ-REEL7
AD9547 / AD9547BCPZ	AD9547 / AD9547BCPZ-REEL7	AD9548 / AD9548BCPZ	AD9548 / AD9548BCPZ-REEL7	AD9554 / AD80380BCPZ
AD9554 / AD80380BCPZ-REEL	AD9554 / AD80380BCPZ-REEL7	AD9554 / AD9554BCPZ	AD9554 / AD9554BCPZ-REEL	AD9554 / AD9554BCPZ-REEL7
AD9557 / AD9557BCPZ	AD9557 / AD9557BCPZ-REEL7	AD9558 / AD9558BCPZ	AD9558 / AD9558BCPZ-REEL7	AD9559 / AD80341BCPZ
AD9559 / AD80341BCPZ-REEL7	AD9559 / AD9559BCPZ	AD9559 / AD9559BCPZ-REEL7	AD9600 / AD9600ABCPZ-105	AD9600 / AD9600ABCPZ-125
AD9600 / AD9600ABCPZ-150	AD9613 / AD9613BCPZ-170	AD9613 / AD9613BCPZ-210	AD9613 / AD9613BCPZ-250	AD9613 / AD9613BCPZRL7-170
AD9613 / AD9613BCPZRL7-210	AD9613 / AD9613BCPZRL7-250	AD9639 / AD9639BCPZ-210	AD9639 / AD9639BCPZRL-210	AD9640 / AD80192ABCPZ-155
AD9640 / AD80192ABCPZRL7155	AD9640 / AD9640ABCPZ-105	AD9640 / AD9640ABCPZ-125	AD9640 / AD9640ABCPZ-150	AD9640 / AD9640ABCPZ-80
AD9640 / AD9640ABCPZRL7-125	AD9640 / AD9640ABCPZRL7-80	AD9643 / AD80286BCPZ-155	AD9643 / AD80286BCPZRL7-155	AD9643 / AD9643BCPZ-170
AD9643 / AD9643BCPZ-210	AD9643 / AD9643BCPZ-250	AD9643 / AD9643BCPZRL7-170	AD9643 / AD9643BCPZRL7-210	AD9643 / AD9643BCPZRL7-250
AD9665 / AD9665ACPZ-REEL	AD9665 / AD9665ACPZ-REEL7	AD9691 / AD9691BCPZ-1250	AD9691 / AD9691BCPZRL7-1250	AD9694 / AD9694BCPZ-500
AD9694 / AD9694BCPZRL7-500	AD9714 / AD9714BCPZ	AD9714 / AD9714BCPZRL7	AD9715 / AD9715BCPZ	AD9715 / AD9715BCPZRL7
AD9716 / AD9716BCPZ	AD9716 / AD9716BCPZRL7	AD9717 / AD9717BCPZ	AD9717 / AD9717BCPZRL7	AD9743 / AD9743BCPZ
AD9743 / AD9743BCPZRL	AD9745 / AD9745BCPZ	AD9745 / AD9745BCPZRL	AD9746 / AD9746BCPZ	AD9746 / AD9746BCPZRL
AD9747 / AD9747BCPZ	AD9747 / AD9747BCPZRL	AD9949 / AD9949AKCPZ	AD9949 / AD9949AKCPZRL	AD9949 / AD9949KCPZ
AD9949 / AD9949KCPZRL	AD9961 / AD9961BCPZ	AD9961 / AD9961BCPZRL	AD9963 / AD9963BCPZ	AD9963 / AD9963BCPZRL
AD9971 / AD9971BCPZ	AD9971 / AD9971BCPZRL	AD9978 / AD9978BCPZ	AD9978 / AD9978BCPZRL	AD9978A / AD9978ABCPZ
AD9978A / AD9978ABCPZRL	ADAS1000 / ADAS1000BCPZ	ADAS1000 / ADAS1000BCPZ-RL	ADAS1000-1 / ADAS1000-1BCPZ	ADAS1000-1 / ADAS1000-1BCPZ-RL
ADAS1000-2 / ADAS1000-2BCPZ	ADAS1000-2 / ADAS1000-2BCPZ-RL	ADAS1000-3 / ADAS1000-3BCPZ	ADAS1000-3 / ADAS1000-3BCPZ-RL	ADAS1000-4 / ADAS1000-4BCPZ
ADAS1000-4 / ADAS1000-4BCPZ-RL	ADAS1262 / AD70/022Z-0	ADAS1262 / AD70/022Z-0RL	ADATE316 / ADATE316BCPZ	ADATE316 / ADATE316BCPZ-RL
ADATE317 / ADATE317BCPZ	ADATE318 / ADATE318-1BCPZ	ADATE318 / ADATE318BCPZ	ADATE320 / ADATE319KCPZ	ADATE320 / ADATE319KCPZ-24
ADATE320 / ADATE319KCPZ-48	ADATE320 / ADATE320-1KCPZ	ADATE320 / ADATE320KCPZ	ADAU1361 / ADAU1361BCPZ	ADAU1361 / ADAU1361BCPZ-R7
ADAU1361 / ADAU1361BCPZ-RL	ADAU1382 / ADAU1382BCPZ	ADAU1382 / ADAU1382BCPZ-R7	ADAU1761 / ADAU1761BCPZ	ADAU1761 / ADAU1761BCPZ-R7
ADAU1761 / ADAU1761BCPZ-RL	ADAU1961 / ADAU1961WBCPZ	ADAU1961 / ADAU1961WBCPZ-R7	ADAU1961 / ADAU1961WBCPZ-RL	ADAU1961 / ADW80019BCPZ
ADAU1961 / ADW80019BCPZ-R7	ADAU1961 / ADW80019BCPZ-RL	ADDR9501 / ADDR9501BCPZ	ADDR9501 / ADDR9501BCPZRL	ADDR9501 / ADW15001YCPZ
ADDR9501 / ADW15001YCPZRL	ADF4602 / ADF4602BCPZ	ADF4602 / ADF4602BCPZ-RL	ADSP-BF592 / AD91197Z	ADSP-BF592 / AD91197Z-RL
ADSP-BF592 / ADSP-BF592BCPZ	ADSP-BF592 / ADSP-BF592BCPZ-2	ADSP-BF592 / ADSP-BF592KCPZ	ADSP-BF592 / ADSP-BF592KCPZ-2	ADUC7034 / ADUC7034BCPZ
ADUC7034 / ADUC7034BCPZ-RL	ADUC7036 / ADUC7036BCPZ	ADUC7036 / ADUC7036BCPZ-RL	ADUC7036 / ADUC7036DCPZ	ADUC7036 / ADUC7036DCPZ-RL
ADUCRF02 / ADUCRF02BCPZ128	ADUCRF02 / ADUCRF02BCPZ128-RL	ADUCRF101 / ADUCRF101BCPZ128	ADUCRF101 / ADUCRF101BCPZ128R7	ADUCRF101 / ADUCRF101BCPZ128RL
ADV3003 / ADV3003ACPZ	ADV3003 / ADV3003ACPZ-R7	ADV3224 / ADV3224ACPZ	ADV3225 / ADV3225ACPZ	ADV3226 / ADV3226ACPZ
ADV3227 / AD45236	ADV3227 / ADV3227ACPZ	ADV3228 / ADV3228ACPZ	ADV3229 / ADV3229ACPZ	ADV3229 / ADV3229ACPZ-REEL
ADV7179 / ADV7179BCPZ	ADV7179 / ADV7179BCPZ-REEL	ADV7179 / ADV7179KCPZ	ADV7179 / ADV7179KCPZ-REEL	ADV7180 / ADV7180BCPZ
ADV7180 / ADV7180BCPZ-REEL	ADV7181D / ADV7181DBCZ	ADV7181D / ADV7181DBCZ-RL	ADV7181D / ADV7181DWBCPZ	ADV7181D / ADV7181DWBCPZ-RL
ADV7390 / ADV7390BCPZ	ADV7390 / ADV7390BCPZ-REEL	ADV7392 / ADV7392BCPZ	ADV7392 / ADV7392BCPZ-3REEL	ADV7392 / ADV7392BCPZ-REEL
ADV7393 / ADV7393BCPZ	ADV7393 / ADV7393BCPZ-REEL	ADV7680 / ADV7680WBCPZ	ADV7680 / ADV7680WBCPZ-RL	ADV7680 / ADW10022Z-0
ADV7680 / ADW10022Z-0RL	ADV7680 / ADW10024Z-0RL			

Appendix A - Affected ADI Models::

Removed Parts On All Revisions - Product Family / Model Number (10)

AD9239 / AD9239BCPZ-170
AD9780 / AD9780BCPZRL

AD9239 / AD9239BCPZ-250
AD9781 / AD9781BCPZ

AD9639 / AD9639BCPZ-170
AD9781 / AD9781BCPZRL

AD9639 / AD9639BCPZRL-170
AD9783 / AD9783BCPZ

AD9780 / AD9780BCPZ
AD9783 / AD9783BCPZRL

Appendix B - Revision History:			
Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	26-Jun-2023	28-Sep-2023	Initial Release.
Rev. A	06-Nov-2023	08-Feb-2024	1) Update Package Outline Drawing List Attachment and Device list. 2) Removed parts.