



Product/Process Change Notice - PCN 20_0126 Rev. A

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.

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

PCN Title: Conversion of Select Sizes LFCSP Products from Punched to Sawn and Transfer of Assembly Site to ASE Korea

Publication Date: 27-Jul-2020

Effectivity Date: 29-Oct-2020 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

1. Remove FG models
2. Update Footprint Comparison Drawing attachment from 20LFCSP_2.3EP-4x4 to 24LFCSP_2.3EP-4x4 and 56LFCSP_6.1EP-8x8 CP-56-11 to CP-56-22

Description Of Change:

1. Assembly site transfer from STATS ChipPAC Singapore (STA) to ASE, Korea (AEK): ADI is utilizing qualified Assembly subcontractor ASE Korea for 4x4, 5x5, 6x6, 7x7 and 9x9mm LFCSP products.
2. ADI has qualified ASE's standard bill of materials in a SAWN singulated leadframe.
3. There will be a change in BOM for some of the products. See attached for changes and package outline differences.
4. Qualification on 8x8mm LFCSP to be performed. See attached Qualification Plan.

Reason For Change:

STATS ChipPAC Singapore is obsoleting the package.

Sawn LFCSP is ADI's technology direction for LFCSP. The use of ADI qualified ASE-Korea as an assembly site will ensure continued source of product supply. ADI's assembly subcontractors manufacture our products using Analog Devices specified manufacturing flows, process controls and monitors. This assures that our customers receive the same level of quality and reliability on products they receive from qualified ADI manufacturing locations.

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

The devices' function and reliability as specified by the product data sheet will be unaffected by these changes. The Lead Foot Print Dimension will remain the same for both punch and sawn LFCSP products.

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

Assembled parts will be identified by assembly lot number.

Summary of Supporting Information:

Qualification has been performed per Industry Standard Test Methods. See attached Qualification Results Summary. Qualification will be performed per Industry Standard Test Methods. See attached Qualification Plan.

Supporting Documents

Attachment 1: Type: Qualification Results Summary

ADI_PCN_20_0126_Rev_A_Qual Results Summary.pdf

Attachment 2: Type: Qualification Plan

ADI_PCN_20_0126_Rev_A_Qual Plan Summary.pdf

Attachment 3: Type: Detailed Change Description

ADI_PCN_20_0126_Rev_A_BOM Change Description.pdf

Attachment 4: Type: Package Outline Drawing

ADI_PCN_20_0126_Rev_A_Footprint Comparison Drawing.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

Existing Parts - Product Family / Model Number (417)

AD45110 / AD45110Z-R7	AD5204 / AD5204BCPZ10-REEL	AD5204 / AD5204BCPZ10-REEL7	AD5360 / AD5360BCPZ	AD5360 / AD5360BCPZ-REEL7
AD5361 / AD5361BCPZ	AD5361 / AD5361BCPZ-REEL7	AD5362 / AD5362BCPZ	AD5362 / AD5362BCPZ-REEL7	AD5370 / AD11/2068Z-0
AD5370 / AD5370BCPZ	AD5370 / AD5370BCPZ-REEL7	AD5372 / AD5372BCPZ	AD5373 / AD5373BCPZ	AD5390 / AD5390BCPZ-3
AD5390 / AD5390BCPZ-5	AD5391 / AD5391BCPZ-3	AD5391 / AD5391BCPZ-5	AD5392 / AD5392BCPZ-5	AD5749 / AD5749ACPZ
AD5749 / AD5749ACPZ-RL7	AD5751 / AD5751ACPZ	AD5751 / AD5751ACPZ-REEL7	AD5751 / AD5751BCPZ	AD5755-1 / AD5755-1ACPZ
AD5755-1 / AD5755-1ACPZ-REEL7	AD5755-1 / AD5755-1SACPZ-RL7	AD5755-1 / AD80/010Z-0RL7	AD5755-2 / AD80/005Z-0RL7	AD6641 / AD6641BCPZ-500
AD6641 / AD6641BCPZRL7-500	AD6641 / AD80233BCPZ-500	AD6641 / AD80233BCPZRL7-500	AD6641 / AD80270BCPZ-553	AD6641 / AD80270BCPZRL7-553
AD6655 / AD6655ABCPZ-125	AD6655 / AD6655ABCPZ-150	AD6655 / AD6655ABCPZ-80	AD6655 / AD6655ABCPZRL7-125	AD6655 / AD80206ABCPZ-125
AD6655 / AD80206ABCPZ-155	AD6655 / AD80206ABCPZRL7155	AD6655 / AD80218ABCPZ-150	AD7265 / AD7265BCPZ	AD7265 / AD7265BCPZ-REEL7
AD7266 / AD7266BCPZ	AD7266 / AD7266BCPZ-REEL7	AD7610 / AD7610BCPZ	AD7610 / AD7610BCPZ-RL	AD7621 / AD7621ACPZ
AD7622 / AD7622BCPZ	AD7641 / AD7641BCPZ	AD7643 / AD7643BCPZ	AD7643 / AD7643BCPZRL	AD7678 / AD7678ACPZ
AD7679 / AD7679ACPZ	AD7938 / AD7938BCPZ	AD7938 / AD7938BCPZ-REEL7	AD7938-6 / AD7938BCPZ-6	AD7938-6 / AD7938BCPZ-6REEL7
AD7939 / AD7939BCPZ	AD7939 / AD7939BCPZ-REEL7	AD80137 / AD80137BCPZ-62	AD80137 / AD80137BCPZRL7-62	AD80253 / AD80253BCPZ-10
AD80253 / AD80253BCPZ-110	AD80253 / AD80253BCPZRL7-10	AD80253 / AD80253BCPZRL7-110	AD8155 / AD8155ACPZ	AD8155 / AD8155ACPZ-R7
AD8190 / AD8190ACPZ	AD8190 / AD8190ACPZ-R7	AD8192 / AD8192ACPZ	AD8192 / AD8192ACPZ-RL7	AD8196 / AD8196ACPZ
AD8196 / AD8196ACPZ-R7	AD8196 / AD8196ACPZ-RL	AD8334 / AD8334ACPZ	AD8334 / AD8334ACPZ-REEL	AD8334 / AD8334ACPZ-REEL7
AD8335 / AD8335ACPZ	AD8335 / AD8335ACPZ-REEL	AD8335 / AD8335ACPZ-REEL7	AD8386 / AD8386JCPZ	AD9204 / AD9204BCPZ-20
AD9204 / AD9204BCPZ-40	AD9204 / AD9204BCPZ-65	AD9204 / AD9204BCPZ-80	AD9204 / AD9204BCPZRL7-20	AD9204 / AD9204BCPZRL7-40
AD9204 / AD9204BCPZRL7-65	AD9204 / AD9204BCPZRL7-80	AD9211 / AD9211BCPZ-200	AD9211 / AD9211BCPZ-250	AD9211 / AD9211BCPZ-300
AD9212 / AD9212ABCPZ-40	AD9212 / AD9212ABCPZ-65	AD9216 / AD80199BCPZ-65	AD9216 / AD9216BCPZ-105	AD9216 / AD9216BCPZ-65
AD9216 / AD9216BCPZ-80	AD9216 / AD9216BCPZRL7-105	AD9216 / AD9216BCPZRL7-65	AD9216 / AD9216BCPZRL7-80	AD9219 / AD9219ABCPZ-40
AD9219 / AD9219ABCPZ-65	AD9219 / AD9219ABCPZRL7-40	AD9222 / AD80418BCPZ-65	AD9222 / AD9222ABCPZ-40	AD9222 / AD9222ABCPZ-50
AD9222 / AD9222ABCPZ-65	AD9222 / AD9222ABCPZRL7-50	AD9228 / AD9228ABCPZ-40	AD9228 / AD9228ABCPZ-65	AD9228 / AD9228ABCPZRL7-40
AD9228 / AD9228ABCPZRL7-65	AD9229 / AD9229ABCPZ-50	AD9229 / AD9229ABCPZ-65	AD9230 / AD9230BCPZ-170	AD9230 / AD9230BCPZ-210
AD9230 / AD9230BCPZ-250	AD9230-11 / AD9230BCPZ11-200	AD9231 / AD9231BCPZ-20	AD9231 / AD9231BCPZ-40	AD9231 / AD9231BCPZ-65
AD9231 / AD9231BCPZ-80	AD9231 / AD9231BCPZRL7-20	AD9231 / AD9231BCPZRL7-40	AD9231 / AD9231BCPZRL7-65	AD9231 / AD9231BCPZRL7-80
AD9233 / AD80141BCPZ-140	AD9233 / AD9233BCPZ-105	AD9233 / AD9233BCPZ-125	AD9233 / AD9233BCPZ-80	AD9233 / AD9233BCPZRL7-105
AD9233 / AD9233BCPZRL7-125	AD9233 / AD9233BCPZRL7-80	AD9238 / AD9238BCPZ-20	AD9238 / AD9238BCPZ-40	AD9238 / AD9238BCPZ-65
AD9238 / AD9238BCPZRL7-40	AD9238 / AD9238BCPZRL7-65	AD9246 / AD9246BCPZ-105	AD9246 / AD9246BCPZ-125	AD9246 / AD9246BCPZ-80
AD9246 / AD9246BCPZRL7-105	AD9246 / AD9246BCPZRL7-125	AD9246 / AD9246BCPZRL7-80	AD9251 / AD9251BCPZ-20	AD9251 / AD9251BCPZ-40
AD9251 / AD9251BCPZ-65	AD9251 / AD9251BCPZ-80	AD9251 / AD9251BCPZRL7-20	AD9251 / AD9251BCPZRL7-40	AD9251 / AD9251BCPZRL7-65
AD9251 / AD9251BCPZRL7-80	AD9252 / AD9252ABCPZ-50	AD9252 / AD9252ABCPZRL7-50	AD9254 / AD9254BCPZ-150	AD9254 / AD9254BCPZRL7-150
AD9255 / AD9255BCPZ-105	AD9255 / AD9255BCPZ-125	AD9255 / AD9255BCPZ-80	AD9255 / AD9255BCPZRL7-105	AD9255 / AD9255BCPZRL7-125
AD9255 / AD9255BCPZRL7-80	AD9257 / AD9257BCPZ-40	AD9257 / AD9257BCPZ-65	AD9257 / AD9257BCPZRL7-40	AD9257 / AD9257BCPZRL7-65
AD9258 / AD9258BCPZ-105	AD9258 / AD9258BCPZ-125	AD9258 / AD9258BCPZ-80	AD9258 / AD9258BCPZRL7-105	AD9258 / AD9258BCPZRL7-125
AD9258 / AD9258BCPZRL7-80	AD9259 / AD9259ABCPZ-50	AD9259 / AD9259ABCPZRL7-50	AD9261 / AD9261BCPZ-10	AD9261 / AD9261BCPZRL7-10
AD9262 / AD9262BCPZ	AD9262 / AD9262BCPZ-10	AD9262 / AD9262BCPZ-5	AD9262 / AD9262BCPZRL7	AD9262 / AD9262BCPZRL7-10
AD9262 / AD9262BCPZRL7-5	AD9265 / AD89025BCPZ	AD9265 / AD89025BCPZRL7	AD9265 / AD9265BCPZ-105	AD9265 / AD9265BCPZ-125
AD9265 / AD9265BCPZ-80	AD9265 / AD9265BCPZRL7-105	AD9265 / AD9265BCPZRL7-125	AD9265 / AD9265BCPZRL7-80	AD9267 / AD9267BCPZ
AD9267 / AD9267BCPZRL7	AD9268 / AD9268BCPZ-105	AD9268 / AD9268BCPZ-125	AD9268 / AD9268BCPZ-80	AD9268 / AD9268BCPZRL7-105
AD9268 / AD9268BCPZRL7-125	AD9268 / AD9268BCPZRL7-80	AD9269 / AD9269BCPZ-20	AD9269 / AD9269BCPZ-40	AD9269 / AD9269BCPZ-65
AD9269 / AD9269BCPZ-80	AD9269 / AD9269BCPZRL7-20	AD9269 / AD9269BCPZRL7-40	AD9269 / AD9269BCPZRL7-65	AD9269 / AD9269BCPZRL7-80
AD9284 / AD9284BCPZ-250	AD9284 / AD9284BCPZRL7-250	AD9286 / AD9286BCPZ-500	AD9286 / AD9286BCPZRL7-500	AD9287 / AD9287ABCPZ-100
AD9434 / AD9434BCPZ-370	AD9434 / AD9434BCPZ-500	AD9434 / AD9434BCPZRL7-370	AD9434 / AD9434BCPZRL7-500	AD9484 / AD9484BCPZ-500
AD9484 / AD9484BCPZRL7-500	AD9510 / AD9510BCPZ	AD9510 / AD9510BCPZ-REEL7	AD9511 / AD9511BCPZ	AD9511 / AD9511BCPZ-REEL7
AD9512 / AD9512BCPZ	AD9512 / AD9512BCPZ-REEL7	AD9513 / AD9513BCPZ	AD9513 / AD9513BCPZ-REEL7	AD9514 / AD9514BCPZ
AD9514 / AD9514BCPZ-REEL7	AD9515 / AD9515BCPZ	AD9515 / AD9515BCPZ-REEL7	AD9516-0 / AD9516-0BCPZ	AD9516-0 / AD9516-0BCPZ-REEL7
AD9516-1 / AD9516-1BCPZ	AD9516-1 / AD9516-1BCPZ-REEL7	AD9516-2 / AD9516-2BCPZ	AD9516-2 / AD9516-2BCPZ-REEL7	AD9516-3 / AD80227BCPZ

AD9516-3 / AD8027BCPZ-REEL7	AD9516-3 / AD9516-3BCPZ	AD9516-3 / AD9516-3BCPZ-REEL7	AD9516-4 / AD9516-4BCPZ	AD9516-4 / AD9516-4BCPZ-REEL7
AD9516-5 / AD9516-5BCPZ	AD9516-5 / AD9516-5BCPZ-REEL7	AD9517-0 / AD9517-0ABCPZ	AD9517-0 / AD9517-0ABCPZ-RL7	AD9517-1 / AD9517-1ABCPZ
AD9517-1 / AD9517-1ABCPZ-RL7	AD9517-2 / AD9517-2ABCPZ	AD9517-2 / AD9517-2ABCPZ-RL7	AD9517-3 / AD9517-3ABCPZ	AD9517-3 / AD9517-3ABCPZ-RL7
AD9517-4 / AD9517-4ABCPZ	AD9517-4 / AD9517-4ABCPZ-RL7	AD9518-0 / AD9518-0ABCPZ	AD9518-0 / AD9518-0ABCPZ-RL7	AD9518-1 / AD9518-1ABCPZ
AD9518-1 / AD9518-1ABCPZ-RL7	AD9518-2 / AD9518-2ABCPZ	AD9518-2 / AD9518-2ABCPZ-RL7	AD9518-3 / AD9518-3ABCPZ	AD9518-3 / AD9518-3ABCPZ-RL7
AD9518-4 / AD9518-4ABCPZ	AD9518-4 / AD9518-4ABCPZ-RL7	AD9540 / AD9540BCPZ	AD9540 / AD9540BCPZ-REEL7	AD9549 / AD9549ABCPZ
AD9549 / AD9549ABCPZ-REEL7	AD9601 / AD9601BCPZ-200	AD9608 / AD9608BCPZ-105	AD9608 / AD9608BCPZ-125	AD9608 / AD9608BCPZRL7-105
AD9608 / AD9608BCPZRL7-125	AD9613 / AD9613BCPZ-170	AD9613 / AD9613BCPZ-210	AD9613 / AD9613BCPZ-250	AD9613 / AD9613BCPZRL7-170
AD9613 / AD9613BCPZRL7-210	AD9613 / AD9613BCPZRL7-250	AD9626 / AD9626BCPZ-170	AD9626 / AD9626BCPZ-210	AD9626 / AD9626BCPZ-250
AD9626 / AD9626BCPZRL7-210	AD9626 / AD9626BCPZRL7-250	AD9627 / AD9627ABCPZ-105	AD9627 / AD9627ABCPZ-125	AD9627 / AD9627ABCPZ-150
AD9628 / AD80303BCPZ-125	AD9628 / AD80303BCPZRL7-125	AD9628 / AD9628BCPZ-105	AD9628 / AD9628BCPZ-125	AD9628 / AD9628BCPZRL7-105
AD9628 / AD9628BCPZRL7-125	AD9637 / AD9637BCPZ-40	AD9637 / AD9637BCPZ-80	AD9637 / AD9637BCPZRL7-40	AD9637 / AD9637BCPZRL7-80
AD9644 / AD80274BCPZ-155	AD9644 / AD80274BCPZRL7-155	AD9644 / AD9644BCPZ-155	AD9644 / AD9644BCPZ-80	AD9644 / AD9644BCPZRL7-155
AD9644 / AD9644BCPZRL7-80	AD9644 / AD9644CCPZ-80	AD9644 / AD9644CCPZRL7-80	AD9648 / AD9648BCPZ-105	AD9648 / AD9648BCPZ-125
AD9648 / AD9648BCPZRL7-105	AD9648 / AD9648BCPZRL7-125	AD9650 / AD9650BCPZ-105	AD9650 / AD9650BCPZ-25	AD9650 / AD9650BCPZ-65
AD9650 / AD9650BCPZ-80	AD9650 / AD9650BCPZRL7-105	AD9650 / AD9650BCPZRL7-25	AD9650 / AD9650BCPZRL7-65	AD9650 / AD9650BCPZRL7-80
AD9704 / AD9704BCPZ	AD9704 / AD9704BCPZRL7	AD9705 / AD9705BCPZ	AD9705 / AD9705BCPZRL7	AD9706 / AD9706BCPZ
AD9706 / AD9706BCPZRL7	AD9707 / AD9707BCPZ	AD9707 / AD9707BCPZRL7	AD9824 / AD9824KCPZ	AD9824 / AD9824KCPZRL
AD9864 / AD9864BCPZ	AD9864 / AD9864BCPZRL	AD9865 / AD80134BCPZ	AD9865 / AD9865BCPZ	AD9865 / AD9865BCPZRL
AD9866 / AD9866BCPZ	AD9866 / AD9866BCPZRL	AD9867 / AD89017BCPZ	AD9867 / AD89017BCPZRL	AD9867 / AD9867BCPZ
AD9867 / AD9867BCPZRL	AD9869 / AD80202BCPZ	AD9889B / AD89012BCPZ	AD9889B / AD9889BBCPZ-165	AD9889B / AD9889BBCPZ-80
AD9911 / AD9911BCPZ	AD9911 / AD9911BCPZ-REEL7	AD9912 / AD9912ABCPZ	AD9912 / AD9912ABCPZ-REEL7	AD9913 / AD9913BCPZ
AD9913 / AD9913BCPZ-REEL7	AD9956 / AD9956YCPZ	AD9956 / AD9956YCPZ-REEL7	AD9958 / AD9958BCPZ	AD9958 / AD9958BCPZ-REEL7
AD9959 / AD9959BCPZ	AD9959 / AD9959BCPZ-REEL7	AD9962 / AD80266BCPZ	AD9962 / AD80266BCPZRL	AD9965 / AD9965BCPZ
AD9965 / AD9965BCPZRL	AD9967 / AD9967BCPZ	AD9967 / AD9967BCPZRL	AD9970 / AD9970BCPZ	AD9970 / AD9970BCPZRL
AD9970 / AD9970BCPZRL7	AD9979 / AD9979BCPZ	AD9979 / AD9979BCPZRL	AD9983A / AD80136KCPZ	AD9983A / AD9983AKCPZ-140
AD9983A / AD9983AKCPZ-170	AD9984A / AD9984AKCPZ-140	AD9984A / AD9984AKCPZ-170	ADAU1592 / ADAU1592ACPZ	ADAU1592 / ADAU1592ACPZ-RL
ADAU1592 / ADAU1592ACPZ-RL7	ADCLK854 / ADCLK854BCPZ	ADCLK854 / ADCLK854BCPZ-REEL7	ADDI7100 / ADDI7100BCPZ	ADDI7100 / ADDI7100BCPZRL
ADF7241 / ADF7241BCPZ	ADF7241 / ADF7241BCPZ-RL7	ADF7242 / AD57004Z-ORL	ADF7242 / ADF7242BCPZ	ADF7242 / ADF7242BCPZ-RL
ADG726 / ADG726BCPZ	ADG726 / ADG726BCPZ-REEL	ADG732 / ADG732BCPZ	ADG732 / ADG732BCPZ-REEL	ADN2870 / ADN2870ACPZ
ADN2870 / ADN2870ACPZ-RL7	ADN2871 / ADN2871ACPZ	ADN2871 / ADN2871ACPZ-RL7	ADN4600 / ADN4600ACPZ	ADN4600 / ADN4600ACPZ-R7
ADN8102 / ADN8102ACPZ	ADN8102 / ADN8102ACPZ-R7	ADRF6750 / ADRF6750ACPZ-R7	ADRF6755 / ADRF6755ACPZ	ADRF6755 / ADRF6755ACPZ-R7
ADRF6850 / ADRF6850BCPZ	ADRF6850 / ADRF6850BCPZ-R7	ADUC7024 / ADUC7024BCPZ62	ADUC7024 / ADUC7024BCPZ62-RL7	ADUC7024 / ADUC7024BCPZ62
ADUC7025 / ADUC7025BCPZ62	ADUC7025 / ADUC7025BCPZ62-RL	ADUC7124 / ADUC7124BCPZ126	ADUC7124 / ADUC7124BCPZ126-RL	ADUC7128 / ADUC7128BCPZ126
ADUC7128 / ADUC7128BCPZ126-RL	ADUC7229 / ADUC7229BCPZ126	ADUC7229 / ADUC7229BCPZ126-RL	ADV7125 / ADV7125BCPZ170	ADV7125 / ADV7125BCPZ170-RL
ADV7391 / ADV7391BCPZ	ADV7391 / ADV7391BCPZ-REEL			

Removed Parts On All Revisions - Product Family / Model Number (33)

AD6643 / AD6643BCPZ-200	AD6643 / AD6643BCPZ-250	AD6643 / AD6643BCPZRL7-200	AD6643 / AD6643BCPZRL7-250	AD6649 / AD6649BCPZ
AD6649 / AD6649BCPZRL7	AD9600 / AD9600ABCPZ-105	AD9600 / AD9600ABCPZ-125	AD9600 / AD9600ABCPZ-150	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
AD9978 / AD9978BCPZ	AD9978 / AD9978BCPZRL	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		

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	21-Apr-2020	24-Jul-2020	Initial Release.
Rev. A	27-Jul-2020	29-Oct-2020	1. Remove FG models 2. Update Footprint Comparison Drawing attachment from 20LFCSP_2.3EP-4x4 to 24LFCSP_2.3EP-4x4 and 56LFCSP_6.1EP-8x8 CP-56-11 to CP-56-22

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