



Product/Process Change Notice - PCN 26_0029 Rev. -

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. An acceptance or concern response should be submitted to ADI promptly. Any requests for samples of changed material or additional information must be made within 30 days of the notification. In accordance with JEDEC Standard 046, customers should acknowledge receipt of the PCN within 30 days of the PCN delivery. ADI contact information is listed below. Note: Revised fields are indicated by a red field name. See Appendix B for revision history.

Lack of acknowledgment of the PCN within 30 days constitutes acceptance of the change. After the acknowledgment, a lack of additional requests within 90 days constitutes acceptance of the change.

PCN Title:	Qualification of Wafer Fabrication Site Analog Devices, Inc. Camas WA for CB Products
Publication Date:	27-Apr-2026
Effectivity Date:	30-Jul-2026 <i>(the earliest date that a customer could expect to receive changed material)</i>
Revision Description:	Initial Release.

Description Of Change:

Qualification of Wafer Fabrication Site Analog Devices, Inc. Camas WA for Complementary Bipolar (CB) Products.

Reason For Change:

Leveraging the existing qualified process at our Analog Devices Camas, WA Fab ensures a reliable and continuous supply for our customers securing their needs well into the future.

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

There is no expected impact to fit, form, function or reliability.

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

Traceability will be maintained via standard ADI lot traceability.

Summary of Supporting Information:

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

Supporting Documents:

Attachment 1: Type: Qualification Results Summary

ADI_PCN_26_0029_Rev_-_Qualification_of_ADI_CAMAS_Wafer_Fab_CB_Processes.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:	Korea:	Rest of Asia:

Appendix A - Affected ADI Models:

Added Parts On This Revision - Product Family / Model Number (139)

AD734 / AD734ANZ	AD734 / AD734AQ	AD734 / AD734BNZ	AD734 / AD734BQ	AD734 / AD734SCHIPS
AD734 / AD734SQ/883B	AD790 / AD790AQ	AD790 / AD790JNZ	AD790 / AD790JRZ	AD790 / AD790JRZ-REEL
AD790 / AD790JRZ-REEL7	AD790 / AD790SQ	AD797 / AD45322	AD797 / AD797ANZ	AD797 / AD797ARZ
AD797 / AD797ARZ-REEL	AD797 / AD797ARZ-REEL7	AD797 / AD797BRZ	AD797 / AD797BRZ-REEL	AD797 / AD797BRZ-REEL7
AD810 / 5962-9313201MPA	AD810 / AD810ACHIPS	AD810 / AD810ANZ	AD810 / AD810ARZ	AD810 / AD810ARZ-REEL
AD810 / AD810ARZ-REEL7	AD810 / AD810TRZ-EP	AD810 / AD810TRZ-EP-RL	AD811 / 5962-9313101M2A	AD811 / 5962-9313101MPA
AD811 / AD811ACHIPS	AD811 / AD811ANZ	AD811 / AD811ARZ-16	AD811 / AD811ARZ-16-REEL	AD811 / AD811ARZ-16-REEL7
AD811 / AD811JRZ	AD811 / AD811JRZ-REEL7	AD811 / AD811SCHIPS	AD811 / AD811SE/883B	AD811 / AD811SQ/883B
AD812 / AD812ANZ	AD812 / AD812ARZ	AD812 / AD812ARZ-REEL	AD812 / AD812ARZ-REEL7	AD817 / AD817ANZ
AD817 / AD817ARZ	AD817 / AD817ARZ-REEL	AD817 / AD817ARZ-REEL7	AD820 / AD820ANZ	AD820 / AD820ARMZ
AD820 / AD820ARMZ-R7	AD820 / AD820ARMZ-RL	AD820 / AD820ARZ	AD820 / AD820ARZ-REEL	AD820 / AD820ARZ-REEL7
AD820 / AD820BRZ	AD820 / AD820BRZ-REEL	AD820 / AD820BRZ-REEL7	AD822 / AD822ANZ	AD822 / AD822ARMZ
AD822 / AD822ARMZ-REEL	AD822 / AD822ARZ	AD822 / AD822ARZ-REEL	AD822 / AD822ARZ-REEL7	AD822 / AD822BRZ
AD822 / AD822BRZ-REEL	AD822 / AD822BRZ-REEL7	AD822 / AD822C-VVP	AD822 / AD822TRZ-EP	AD822 / AD822TRZ-EP-R7
AD8224 / AD8224ACPZ-R7	AD8224 / AD8224ACPZ-RL	AD8224 / AD8224ACPZ-WP	AD8224 / AD8224BCPZ-R7	AD8224 / AD8224BCPZ-RL
AD8224 / AD8224BCPZ-WP	AD8224 / AD8224HACPZ-R7	AD8224 / AD8224HACPZ-RL	AD8224 / AD8224HACPZ-WP	AD8224 / AD8224HBCPZ-R7
AD8224 / AD8224HBCPZ-RL	AD8224 / AD8224HBCPZ-WP	AD823 / AD823ANZ	AD823 / AD823ARZ	AD823 / AD823ARZ-R7
AD823 / AD823ARZ-RL	AD824 / AD824ARZ-14	AD824 / AD824ARZ-14-3V	AD824 / AD824ARZ-14-3V-RL	AD824 / AD824ARZ-14-REEL
AD824 / AD824ARZ-14-REEL7	AD825 / AD825ACHIPS	AD825 / AD825ARZ	AD825 / AD825ARZ-16	AD825 / AD825ARZ-16-REEL
AD825 / AD825ARZ-16-REEL7	AD825 / AD825ARZ-REEL	AD825 / AD825ARZ-REEL7	AD826 / AD826ANZ	AD826 / AD826ARZ
AD826 / AD826ARZ-REEL	AD826 / AD826ARZ-REEL7	AD828 / AD828ANZ	AD828 / AD828ARZ	AD828 / AD828ARZ-REEL7
AD844 / 5962-8964401PA	AD844 / AD844ACHIPS	AD844 / AD844ANZ	AD844 / AD844AQ	AD844 / AD844BQ
AD844 / AD844JRZ-16	AD844 / AD844JRZ-16-REEL7	AD844 / AD844SCHIPS	AD844 / AD844SQ	AD844 / AD844SQ/883B
AD847 / 5962-8964701PA	AD847 / AD847AQ	AD847 / AD847ARZ	AD847 / AD847ARZ-REEL	AD847 / AD847ARZ-REEL7
AD847 / AD847JCHIPS	AD847 / AD847JNZ	AD847 / AD847JRZ	AD847 / AD847JRZ-REEL	AD847 / AD847JRZ-REEL7
AD847 / AD847SCHIPS	AD847 / AD847SQ	AD847 / AD847SQ/883B	ADEL2020 / ADEL2020ANZ	ADEL2020 / ADEL2020ARZ-20
ADEL2020 / ADEL2020ARZ-20-RL	OP467 / 5962-9325801M2A	OP467 / 5962-9325801MCA	OP467 / OP467ARC/883C	OP467 / OP467AY/883C
OP467 / OP467GBC	OP467 / OP467GPZ	OP467 / OP467GSZ	OP467 / OP467GSZ-REEL	

Appendix B - Revision History:

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	27-Apr-2026	30-Jul-2026	Initial Release.

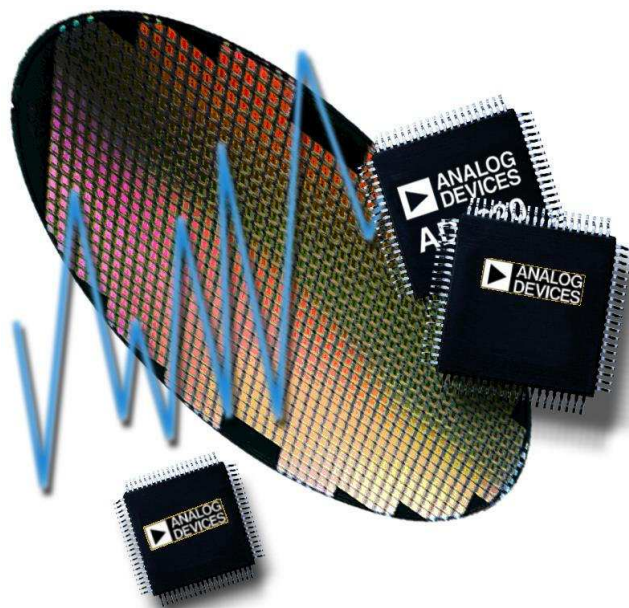


Analog Devices, Inc. PCN Material Report (Proprietary Information)

Existing Material		Material Added		Material Removed	
GENERICNUMBER	MATERIALNUMBER	GENERICNUMBER	MATERIALNUMBER	GENERICNUMBER	MATERIALNUMBER
		AD734	AD734ANZ		
		AD734	AD734AQ		
		AD734	AD734BNZ		
		AD734	AD734BQ		
		AD734	AD734SCHIPS		
		AD734	AD734SQ/883B		
		AD790	AD790AQ		
		AD790	AD790JNZ		
		AD790	AD790JRZ		
		AD790	AD790JRZ-REEL		
		AD790	AD790JRZ-REEL7		
		AD790	AD790SQ		
		AD797	AD45322		
		AD797	AD797ANZ		
		AD797	AD797ARZ		
		AD797	AD797ARZ-REEL		
		AD797	AD797ARZ-REEL7		
		AD797	AD797BRZ		
		AD797	AD797BRZ-REEL		
		AD797	AD797BRZ-REEL7		
		AD810	5962-9313201MPA		
		AD810	AD810ACHIPS		
		AD810	AD810ANZ		
		AD810	AD810ARZ		
		AD810	AD810ARZ-REEL		
		AD810	AD810ARZ-REEL7		
		AD810	AD810TRZ-EP		
		AD810	AD810TRZ-EP-RL		
		AD811	5962-9313101M2A		
		AD811	5962-9313101MPA		
		AD811	AD811ACHIPS		
		AD811	AD811ANZ		
		AD811	AD811ARZ-16		
		AD811	AD811ARZ-16-REEL		
		AD811	AD811ARZ-16-REEL7		
		AD811	AD811JRZ		
		AD811	AD811JRZ-REEL7		
		AD811	AD811SCHIPS		
		AD811	AD811SE/883B		
		AD811	AD811SQ/883B		
		AD812	AD812ANZ		
		AD812	AD812ARZ		
		AD812	AD812ARZ-REEL		
		AD812	AD812ARZ-REEL7		
		AD817	AD817ANZ		
		AD817	AD817ARZ		
		AD817	AD817ARZ-REEL		
		AD817	AD817ARZ-REEL7		
		AD820	AD820ANZ		
		AD820	AD820ARMZ		
		AD820	AD820ARMZ-R7		
		AD820	AD820ARMZ-RL		
		AD820	AD820ARZ		
		AD820	AD820ARZ-REEL		
		AD820	AD820ARZ-REEL7		
		AD820	AD820BRZ		
		AD820	AD820BRZ-REEL		
		AD820	AD820BRZ-REEL7		
		AD822	AD822ANZ		
		AD822	AD822ARMZ		
		AD822	AD822ARMZ-REEL		
		AD822	AD822ARZ		
		AD822	AD822ARZ-REEL		

	AD822	AD822ARZ-REEL7	
	AD822	AD822BRZ	
	AD822	AD822BRZ-REEL	
	AD822	AD822BRZ-REEL7	
	AD822	AD822C-WP	
	AD822	AD822TRZ-EP	
	AD822	AD822TRZ-EP-R7	
	AD8224	AD8224ACPZ-R7	
	AD8224	AD8224ACPZ-RL	
	AD8224	AD8224ACPZ-WP	
	AD8224	AD8224BCPZ-R7	
	AD8224	AD8224BCPZ-RL	
	AD8224	AD8224BCPZ-WP	
	AD8224	AD8224HACPZ-R7	
	AD8224	AD8224HACPZ-RL	
	AD8224	AD8224HACPZ-WP	
	AD8224	AD8224HBCPZ-R7	
	AD8224	AD8224HBCPZ-RL	
	AD8224	AD8224HBCPZ-WP	
	AD823	AD823ANZ	
	AD823	AD823ARZ	
	AD823	AD823ARZ-R7	
	AD823	AD823ARZ-RL	
	AD824	AD824ARZ-14	
	AD824	AD824ARZ-14-3V	
	AD824	AD824ARZ-14-3V-RL	
	AD824	AD824ARZ-14-REEL	
	AD824	AD824ARZ-14-REEL7	
	AD825	AD825ACHIPS	
	AD825	AD825ARZ	
	AD825	AD825ARZ-16	
	AD825	AD825ARZ-16-REEL	
	AD825	AD825ARZ-16-REEL7	
	AD825	AD825ARZ-REEL	
	AD825	AD825ARZ-REEL7	
	AD826	AD826ANZ	
	AD826	AD826ARZ	
	AD826	AD826ARZ-REEL	
	AD826	AD826ARZ-REEL7	
	AD828	AD828ANZ	
	AD828	AD828ARZ	
	AD828	AD828ARZ-REEL7	
	AD844	5962-8964401PA	
	AD844	AD844ACHIPS	
	AD844	AD844ANZ	
	AD844	AD844AQ	
	AD844	AD844BQ	
	AD844	AD844JRZ-16	
	AD844	AD844JRZ-16-REEL7	
	AD844	AD844SCHIPS	
	AD844	AD844SQ	
	AD844	AD844SQ/883B	
	AD847	5962-8964701PA	
	AD847	AD847AQ	
	AD847	AD847ARZ	
	AD847	AD847ARZ-REEL	
	AD847	AD847ARZ-REEL7	
	AD847	AD847JCHIPS	
	AD847	AD847JNZ	
	AD847	AD847JRZ	
	AD847	AD847JRZ-REEL	
	AD847	AD847JRZ-REEL7	
	AD847	AD847SCHIPS	
	AD847	AD847SQ	
	AD847	AD847SQ/883B	
	ADEL2020	ADEL2020ANZ	
	ADEL2020	ADEL2020ARZ-20	

		ADEL2020	ADEL2020ARZ-20-RL		
		OP467	5962-9325801M2A		
		OP467	5962-9325801MCA		
		OP467	OP467ARC/883C		
		OP467	OP467AY/883C		
		OP467	OP467GBC		
		OP467	OP467GPZ		
		OP467	OP467GSZ		
		OP467	OP467GSZ-REEL		



Reliability Report

Report Title:	Qualification of ADI Camas Wafer Fab Complementary Bipolar Process for Non-Automotive Products
Report Number:	25475
Revision:	A
Date:	21 April 2026

Summary

This report documents the reliability qualification requirements for the release of the Complementary Bipolar wafer fabrication process for Non-Automotive products at Analog Devices Camas Wafer Fabrication Facility. The products listed below were selected to cover the technology being released.

The AD822 is a dual precision, low power FET input op amp that can operate from a single supply of 5 V to 30 V or from dual supplies of ± 2.5 V to ± 15 V.

The AD8220 is the first single-supply, JFET input instrumentation amplifier available in an MSOP package. Designed to meet the needs of high performance, portable instrumentation, the AD8220 has a minimum common-mode rejection ratio (CMRR) of 86 dB at dc and a minimum CMRR of 80 dB at 5 kHz for $G = 1$.

Die/Fab Product Characteristics

Table 1: Die/Fab Product Characteristics – Complementary Bipolar

Product Characteristics	Product(s) to be qualified	
Generic/Root Part #	AD822	AD8220
Die Id	6W822CRV / 01	6W8220BRV / 01
Die Size (mm)	1.78 x 2.28	1.39 x 2.05
Wafer Fabrication Site	ADI Camas	ADI Camas
Wafer Fabrication Process	Complementary Bipolar	Complementary Bipolar
Die Substrate	Si	Si
Metallization / # Layers	AlCu(0.5%) / 2	AlCu(0.5%) / 2
Polyimide	Yes	Yes
Passivation	doped-oxide/SiN	doped-oxide/SiN

Die/Fab Test Results

Table 2: Die/Fab Test Results – Complementary Bipolar

Test Name	AEC #	Spec	Conditions	Generic/Root Part #	Lot #	Fail/SS	eTest Temp
High Temperature Storage Life (HTSL)	A6	JESD22-A103	150°C, 1000 Hours	AD822	Q21583.1.HT1_RES	0/45	R
Highly Accelerated Temperature and Humidity Stress Test (HAST) ¹	A2	JESD22-A110	130C 85%RH 33.3 psia, Biased, 96 Hours	AD822	Q21583.1.HA1_RES	0/77	R
					Q21583.2.HA2_RES	0/77	R
					Q21583.3.HA3_RES	0/77	R
High Temperature Operating Life (HTOL) ¹	B1	JESD22-A108	Biased, 1000 Hours, Tjmax = 138°C, TA 125°C	AD822	Q21583.1.HO1_RES	0/77	R
					Q21583.2.HO2_RES	0/77	R
					Q21583.3.HO3_RES	0/77	R
			Biased, 500 Hours, Tjmax = 135°C, TA = 125°C	AD8220	Q21262.1.HO1_RES	0/77	R
					Q21262.2.HO2_RES	0/77	R
					Q21262.3.HO3_RES	0/77	R

¹ These samples were subjected to preconditioning at MSL 1 with 3x reflow peak temp of 260°C prior to the start of the stress test.

Package/Assembly Product Characteristics

Table 3: Package/Assembly Product Characteristics – 8-SOIC_N-150_MIL at ASE Pudong (AEP)

Product Characteristics	Product(s) to be qualified
Generic/Root Part #	AD822
Package	8-SOIC_N-150_MIL
Body Size (mm)	5.00 x 4.00 x 1.5
Assembly Location	ASE Pudong (AEP)
MSL/Peak Reflow Temperature(°C)	1 / 260°C
Mold Compound	Hitachi CEL 9240HF10AK
Die Attach	Hitachi EN 4900GC conductive
Leadframe Material	Copper
Lead Finish	Matte Sn
Wire Bond Material/Diameter (mils)	2N Gold/1.20

Package/Assembly Test Results

Table 4: Package/Assembly Test Results - 8-SOIC_N-150_MIL at ASE Pudong (AEP)

Test Name	AEC #	Spec	Conditions	Generic/Root Part #	Lot #	Fail/SS	eTest Temp
High Temperature Storage Life (HTSL)	A6	JESD22-A103	150°C, 1000 Hours	AD822	Q21583.1.HT1_RES	0/45	R
Preconditioning ¹	A1	J-STD-020	MSL-1	AD822	Q21583.1.SH1_RES	0/11	R
		JESD22-A113			Q21583.2.SH2_RES	0/11	R
					Q21583.3.SH3_RES	0/11	R
Highly Accelerated Temperature and Humidity Stress Test (HAST) ¹	A2	JESD22-A110	130C 85%RH 33.3 psia, Biased, 96 Hours	AD822	Q21583.1.HA1_RES	0/77	R
					Q21583.2.HA2_RES	0/77	R
					Q21583.3.HA3_RES	0/77	R
Unbiased HAST (UHST) ¹	A3	JESD22-A118	130C 85%RH 33.3 psia, 96 Hours	AD822	Q21583.1.UH1_RES	0/77	R
					Q21583.2.UH2_RES	0/77	R
					Q21583.3.UH3_RES	0/77	R
Temperature Cycling (TC) ¹	A4	JESD22-A104	-65°C/+150°C, 500 Cycles	AD822	Q21583.1.TC1_RES	0/77	R
					Q21583.2.TC2_RES	0/77	R
					Q21583.3.TC3_RES	0/77	R

¹These samples were subjected to preconditioning at MSL 1 with 3x reflow peak temp of 260°C prior to the start of the stress test.

ESD and Latch-Up Test Results

Table 5: ESD Test Result

ESD Model	Generic/Root Part #	Package	ESD Test Spec	RC Network	Highest Pass Level	Class	eTest
FICDM	AD822	8-SOIC_N-150_MIL	JS-002	1Ω, Cpkg	±1500V	C3	R
HBM	AD822	8-SOIC_N-150_MIL	JS-001	1.5kΩ, 100pF	±1000V	1C	R

Table 6: Latch Up Test Result

LU Test Spec	Generic/Root Part #	Passing Current	Passing Over-Voltage	Temperature (T _A)	Class	eTest
JESD78	AD822	+200mA, -200mA	-20V / 20V	25C	I	R

Approvals

Reliability Engineer: