



Product/Process Change Notice - PCN 23_0143 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:	Qualification of an Alternate Wafer Fab Site for 0.5um TSMC CMOS Process
Publication Date:	20-May-2024
Effectivity Date:	06-May-2024 <i>(the earliest date that a customer could expect to receive changed material)</i>
Revision Description:	Update reliability report (rev C).

Description Of Change:

- 1) Analog Devices is adding Analog Devices, Ireland (ADLK) as an alternate Wafer Fab site to TSMC Fab9 and TSMC Fab2B for 0.5um CMOS Process.
- 2) Changed to wafer diameter from 6" to 8" for select parts. Refer to substrate changed detail table in the Supporting Documents section of this PCN.

Reason For Change:

This change will ensure manufacturing agility and continuity of supply.

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

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

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

Analog Devices maintains traceability internally to manufacturing location site via marking on the device.

Summary of Supporting Information:

Qualification is performed per AEC-Q100, Stress Test Qualification for Integrated Circuits. See attached Qualification Reports.

Supporting Documents

Attachment 1: Type: Detailed Change Description

[ADI_PCN_23_0143_Rev_A_Change_Details_0p5um_Parts_Substrate_TSMC_2B_to...](#)

Attachment 2: Type: Delta Qualification Matrix

[ADI_PCN_23_0143_Rev_A_Delta-Qualification-Matrix-ZVEI-5_0_16.xlsm...](#)

Attachment 3: Type: Qualification Results Summary

[ADI_PCN_23_0143_Rev_A_Qualification_Results_0p5um_CMOS_Wafer_Fab_Site_...](#)

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:

Existing Parts - Product Family / Model Number (184)

AD2S1205 / AD2S1205WSTZ	AD2S1205 / AD2S1205YSTZ	AD2S1205 / ADW71205WSTZ	AD2S1205 / ADW71205WSTZ-RL	AD2S1205 / ADW71205YSTZ
AD2S1205 / ADW71205YSTZ-RL	AD2S1205 / ADWFS71205WSTZ-RL	AD2S1210 / AD2S1210SSTZ-EPRL7	AD2S1210 / AD2S1210WDSTZ	AD2S1210 / AD2S1210WDSTZRL7
AD7190 / AD7190BRUZ	AD7190 / AD7190BRUZ-REEL	AD7192 / AD7192BRUZ	AD7192 / AD7192BRUZ-REEL	AD7193 / AD70009Z-0RL
AD7193 / AD7193BCPZ	AD7193 / AD7193BCPZ-RL	AD7193 / AD7193BCPZ-RL7	AD7193 / AD7193BRUZ	AD7193 / AD7193BRUZ-REEL
AD7194 / AD7194BCPZ	AD7194 / AD7194BCPZ-REEL	AD7194 / AD7194BCPZ-REEL7	AD7195 / AD42/334Z-0RL	AD7195 / AD7195BCPZ
AD7195 / AD7195BCPZ-RL	AD7195 / AD7195BCPZ-RL7	AD7196 / AD7196BCPZ-RL	AD7196 / AD7196BCPZ-RL7	AD7682 / AD7682BCBZ-RL7
AD7682 / AD7682BCPZ	AD7682 / AD7682BCPZRL7	AD7683 / AD7683ACPZRL7	AD7683 / AD7683ARMZ	AD7683 / AD7683ARMZRL7
AD7683 / AD7683BCPZRL7	AD7683 / AD7683BRMZ	AD7683 / AD7683BRMZRL7	AD7684 / AD7684BRMZ	AD7684 / AD7684BRMZRL7
AD7685 / AD7685ACPZRL7	AD7685 / AD7685ARMZ	AD7685 / AD7685ARMZRL7	AD7685 / AD7685BCPZRL7	AD7685 / AD7685BRMZ
AD7685 / AD7685BRMZRL7	AD7685 / AD7685CCPZRL7	AD7685 / AD7685CRMZ	AD7685 / AD7685CRMZRL7	AD7686 / AD7686BCPZRL7
AD7686 / AD7686BRMZ	AD7686 / AD7686BRMZRL7	AD7686 / AD7686CCPZ-R2	AD7686 / AD7686CCPZRL7	AD7686 / AD7686CRMZ
AD7686 / AD7686CRMZRL7	AD7687 / AD7687BCPZRL7	AD7687 / AD7687BRMZ	AD7687 / AD7687BRMZRL7	AD7688 / AD7688BCPZRL7
AD7688 / AD7688BRMZ	AD7688 / AD7688BRMZRL7	AD7689 / AD7689ACPZ	AD7689 / AD7689ACPZRL7	AD7689 / AD7689BCBZ-RL7
AD7689 / AD7689BCPZ	AD7689 / AD7689BCPZRL7	AD7689 / AD7689CCPZ	AD7689 / AD7689CCPZRL7	AD7689 / AD7689FNS-DIE
AD7695 / AD71090ZRL	AD7695 / AD71090ZRL7	AD7699 / AD7699BCBZ-RL7	AD7699 / AD7699BCBZ-WP	AD7699 / AD7699BCPZ
AD7699 / AD7699BCPZRL7	AD7708 / AD7708BRUZ	AD7708 / AD7708BRUZ-REEL	AD7708 / AD7708BRUZ-REEL7	AD7708 / AD7708BRZ
AD7708 / AD7708BRZ-REEL	AD7708 / AD7708BRZ-REEL7	AD7785 / AD42/320Z-0	AD7785 / AD42/320Z-0REEL	AD7785 / AD7785BRUZ
AD7785 / AD7785BRUZ-REEL	AD7786 / AD42/322Z-0	AD7786 / AD42/322Z-0REEL	AD7786 / AD70015Z-0RL	AD7792 / AD7792BRUZ
AD7792 / AD7792BRUZ-REEL	AD7793 / AD42/318Z-0	AD7793 / AD42/318Z-0REEL	AD7793 / AD70029Z-0RL7	AD7793 / AD7793BRUZ
AD7793 / AD7793BRUZ-REEL	AD7794 / AD7794BRUZ	AD7794 / AD7794BRUZ-REEL	AD7794 / AD7794CRUZ	AD7794 / AD7794CRUZ-REEL
AD7795 / AD70002Z-0RL	AD7795 / AD7795BRUZ	AD7795 / AD7795BRUZ-REEL	AD7798 / AD7798BRUZ	AD7798 / AD7798BRUZ-REEL
AD7799 / AD42/317Z-0	AD7799 / AD42/317Z-0REEL	AD7799 / AD7799BRUZ	AD7799 / AD7799BRUZ-REEL	AD7942 / AD7942BCPZRL7
AD7942 / AD7942BRMZ	AD7942 / AD7942BRMZ-RL7	AD7946 / AD7946BRMZ	AD7946 / AD7946BRMZRL7	AD7949 / AD7949BCPZ
AD7949 / AD7949BCPZRL7	AD7949 / AD7949SCPZ-EP-R2	AD7949 / AD7949SCPZ-EP-RL7	ADM6316 / ADM6316AY27ARJZ-R7	ADM6316 / ADM6316AY29ARJZ-R7
ADM6316 / ADM6316A29ARJZ-R7	ADM6316 / ADM6316BX30ARJZ-R7	ADM6316 / ADM6316BX46ARJZ-R7	ADM6316 / ADM6316CV25ARJZ-R7	ADM6316 / ADM6316CY26ARJZ-R7
ADM6316 / ADM6316CY29ARJZ-R7	ADM6316 / ADM6316CY46ARJZ-R7	ADM6316 / ADM6316D226ARJ-RL7	ADM6316 / ADM6316D226ARJZ-R7	ADM6316 / ADM6316DZ31ARJZ-R7
ADM6318 / ADM6318X49ARJZ-R7	ADM6318 / ADM6318CY29ARJZ-R7	ADM6318 / ADM6318CY46ARJZ-R7	ADM6318 / ADM6318CZ28ARJZ-R7	ADM6319 / ADM6319B25ARJZ-R7
ADM6319 / ADM6319B31ARJZ-RL7	ADM6319 / ADM6319C29ARJZ-RL7	ADM6319 / ADM6319C46ARJZ-RL7	ADM6710 / AD51098Z-0RL7	ADM6710 / ADM6710BARJZ-REEL7
ADM6710 / ADM6710CARJZ-REEL7	ADM6710 / ADM6710DARJZ-REEL7	ADM6710 / ADM6710EARJZ-REEL7	ADM6710 / ADM6710FARJZ-REEL7	ADM6710 / ADM6710IARJZ-REEL7
ADM6710 / ADM6710JARJZ-REEL7	ADM6710 / ADM6710KARJZ-REEL7	ADM6710 / ADM6710LARJZ-REEL7	ADM6710 / ADM6710QARJZ-REEL7	ADM705 / ADM705ARZ
ADM705 / ADM705ARZ-REEL	ADM705 / ADM705ARZ-REEL7	ADM706 / ADM706ARZ	ADM706 / ADM706ARZ-REEL	ADM706 / ADM706ARZ-REEL7
ADM706 / ADM706RARZ	ADM706 / ADM706RARZ-REEL	ADM706 / ADM706RARZ-REEL7	ADM706 / ADM706SARZ	ADM706 / ADM706SARZ-REEL
ADM706 / ADM706TARZ	ADM706 / ADM706TARZ-REEL	ADM823 / ADM823LYKSZ-R7	ADM823 / ADM823LYRJZ-R7	ADM823 / ADM823MYRJZ-R7
ADM823 / ADM823RYRJZ-R7	ADM823 / ADM823SYKSZ-R7	ADM823 / ADM823SYRJZ-R7	ADM823 / ADM823TYKSZ-R7	ADM823 / ADM823TYRJZ-R7
ADM823 / ADM823YKYSZ-R7	ADM823 / ADM823ZYKSZ-R7	ADM824 / ADM824LYRJZ-REEL7	ADM824 / ADM824RYKSZ-REEL7	ADM824 / ADM824SYKSZ-REEL7
ADM824 / ADM824SYRJZ-REEL7	ADM825 / ADM825LYRJZ-R7	ADM825 / ADM825RYRJZ-R7	ADM825 / ADM825SYKSZ-R7	ADM825 / ADM825SYRJZ-R7
ADM825 / ADM825YKYSZ-R7	ADM825 / ADM825TYRJZ-R7	ADM825 / ADM825ZYKSZ-R7	MCPCHIPS / AD7683DIE	

Appendix B - Revision History:

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	02-Feb-2024	06-May-2024	Initial Release.
Rev. A	20-May-2024	06-May-2024	Update reliability report (rev C).