



Product/Process Change Notice - PCN 24_0067 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. **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:	Notification of Wafer Fab Location Change for 0.6 μ m BICMOS Process Devices from ADCS to Vanguard Int. (Taiwan)
Publication Date:	22-May-2024
Effectivity Date:	24-Aug-2024 <i>(the earliest date that a customer could expect to receive changed material)</i>
Revision Description:	Initial Release

Description Of Change:

ADI is transferring LTC3639 product currently manufactured using the 0.6 μ m BICMOS process from wafer fab facility located at Camas, Washington to Vanguard International Semiconductor, Taiwan. See Appendix 1 for the list of affected part numbers. The affected products will be manufactured using ADI specified manufacturing flows, materials, process controls, and monitors ensuring no degradation of quality and reliability performance.

Reason For Change:

Vanguard has been a successful wafer fab foundry partner for ADI, and this business expansion will ensure continuity of supply to our customers well into the future. Vanguard International Semiconductor third party certifications and capacity details are attached for your review. Additional information can be found at <http://www.vis.com.tw>.

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

The qualification of 0.6 μ m BICMOS process from the Vanguard International Semiconductor has been completed following AEC-Q100 qualification requirements. Upon completion of process qualification individual device by device qualification will be initiated. The devices will be characterized over the full operating temperature range. Additionally, devices from Vanguard International Semiconductor will be carefully compared to the ADI fabricated devices to ensure identical performance when installed in customer applications.

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

The devices manufactured in Vanguard International Semiconductor will have the same part number and the same top mark as those manufactured at ADI. However, when necessary we can use our lot number traceability system to identify where and when a device was fabricated.

Summary of Supporting Information:

Qualification has been completed per Industry Standard Test Methods. See attached Qualification Result.

Supporting Documents

Attachment 1: Type: Other

[ADI PCN 24_0067 Rev - Vanguard Summary.pdf...](#)

Attachment 2: Type: Qualification Results Summary

[ADI PCN 24_0067 Rev - LTC3639 at Vanguard Automotive.pdf...](#)

Attachment 3: Type: Delta Qualification Matrix

[ADI PCN 24_0067 Rev - LTC3639 Delta-Qualification-Matrix-ZVEI-5_0_16.x...](#)

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:
PCN_Americas@analog.com	PCN_Europe@analog.com	PCN_Japan@analog.com	PCN_Korea@analog.com	PCN_ROA@analog.com

Appendix A - Affected ADI Models:

Added Parts On This Revision - Product Family / Model Number (12)

LTC3639 / LTC3639EMSE#PBF	LTC3639 / LTC3639EMSE#TRPBF	LTC3639 / LTC3639HMSE#PBF	LTC3639 / LTC3639HMSE#TRPBF	LTC3639 / LTC3639HMSE#WPBF
LTC3639 / LTC3639HMSE#WTRPBF	LTC3639 / LTC3639IMSE#PBF	LTC3639 / LTC3639IMSE#TRPBF	LTC3639 / LTC3639IMSE#WPBF	LTC3639 / LTC3639IMSE#WTRPBF
LTC3639 / LTC3639MPMSE#PBF	LTC3639 / LTC3639MPMSE#TRPBF			

Appendix B - Revision History:

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	22-May-2024	24-Aug-2024	Initial Release