

PRODUCT ADVISORY

Data Sheet Specification Change for Intersil Product ISL29018IROZ-T7

**Refer to:
PA11104**

Date: October 6, 2011

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To: Our Valued Intersil Customers

Subject: **Data Sheet Specification Change for Intersil Product ISL29018IROZ-T7**

This advisory is to inform you that Intersil has updated the data sheet specification for the ISL29018IROZ-T7 product. The *Interrupt Function*, located on sheet 10 of the data sheet, has been updated to provide additional clarity as to its features and operation. The old and new descriptions of the *Interrupt Function* are listed below. The updated data sheet is available on the Intersil web site at <http://www.intersil.com/data/fn/fn6619.pdf>.

Old Description:

Depending on the mode of operation set by Bits 7, 6 and 5 of command register 00 hex, the upper and lower interrupt thresholds are for either ambient light level or proximity detection. After each change of mode of operation, it is expected a new set of thresholds are loaded to interrupt registers 04, 05, 06 and 07 hex for proper interrupt detection. Also, the interrupt persist counter will be reset to 0 when the mode of operation is changed.

New Description:

An interrupt event (FLAG) is governed by bit2 in COMMAND1. The user must set bit2 in COMMAND1 to be logic low (0), which means INT is cleared or not triggered yet. Then, ISL29018 will issue an ambient (ALS/IR) or proximity interrupt flag if the actual count stored in Register 0x2 and 0x3 are outside the user's programmed window. The user must read Register 0x0 to clear interrupt.

Interrupt persistency at bit1 and bit0 of COMMAND1 is another useful option available for both ambient/IR and proximity measurement. Persistency requires x-in-a-row interrupt flags before the INT pin is driven low. Then, user must read Register 0x0 to clear Interrupt.

There have been no changes made to the die/silicon or device itself. There will be no change in external marking of the packaged parts.

Intersil will take all necessary actions to conform to agreed upon customer requirements and to ensure the continued high quality and reliability of Intersil products being supplied. Customers may expect to continue receiving product processed to the same established conditions and systems used for manufacturing of material supplied today.

If you have concerns with this advisory, Intersil must hear from you promptly. Please contact the nearest Intersil Sales Office or call the Intersil Corporate line at 1-888-468-3774, in the United States, or 1-321-724-7143 outside of the United States.

Regards,



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