

PRODUCT ADVISORY

Data Sheet Specification Change for Intersil Product ISL28190* and ISL28290*

**Refer to:
PA14044**

Date: July 22, 2014

July 22, 2014

To: Our Valued Intersil Customers

Subject: **Data Sheet Specification Change for Intersil Product ISL28190* and ISL28290***

This advisory is to inform you that Intersil has updated the data sheet specification for the ISL28190* and ISL28290* products. The change is to the θ_{JA} value in the Thermal Information section to align the data sheet with the product characteristics. Details regarding the change are contained on the following page. The updated data sheet is available on the Intersil web site at:

<http://www.intersil.com/content/dam/Intersil/documents/fn62/fn6247.pdf>.

Products affected:

| | | | |
|-----------------|----------------|-----------------|----------------|
| ISL28190FHZ-T7 | ISL28290FBZ | ISL28290FRUZ-T7 | ISL28290FUZ-T7 |
| ISL28190FRUZ-T7 | ISL28290FBZ-T7 | ISL28290FUZ | |

There have been no changes to the die/silicon or product itself. There will be no change in the 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,



Jeffrey Touvell

Intersil Corporation

PA14044

CC: D. LaFontaine J. Bailey P. Lee

PA14044 Data Sheet Change

From:

Absolute Maximum Ratings ($T_A = +25^\circ\text{C}$)

| | |
|--|-----------------------|
| Supply Voltage | 5.5V |
| Supply Turn On Voltage Slew Rate | 1V/ μs |
| Differential Input Current | 5mA |
| Differential Input Voltage | 0.5V |
| Input Voltage | V- -0.5V to V+ + 0.5V |
| ESD Tolerance | |
| Human Body Model | 3kV |
| Machine Model | 300V |
| Charged Device Model | 1200V |

Thermal Information

| | |
|---|---|
| Thermal Resistance (typical, Note 6) | θ_{JA} ($^\circ\text{C}/\text{W}$) |
| 6 Ld SOT-23 Package | 230 |
| 6 Ld UTDFN Package | 125 |
| 10 Ld MSOP Package | 150 |
| 10 Ld UTQFN Package | 143 |
| 8 Ld SOIC Package | 110 |
| Ambient Operating Temperature Range | -40 $^\circ\text{C}$ to +125 $^\circ\text{C}$ |
| Storage Temperature Range | -65 $^\circ\text{C}$ to +150 $^\circ\text{C}$ |
| Operating Junction Temperature | +125 $^\circ\text{C}$ |
| Pb-Free Reflow Profile | see link below |
| | http://www.intersil.com/pbfree/Pb-FreeReflow.asp |

To:

Absolute Maximum Ratings ($T_A = +25^\circ\text{C}$)

| | |
|--|-----------------------|
| Supply Voltage | 5.5V |
| Supply Turn On Voltage Slew Rate | 1V/ μs |
| Differential Input Current | 5mA |
| Differential Input Voltage | 0.5V |
| Input Voltage | V- -0.5V to V+ + 0.5V |
| ESD Tolerance | |
| Human Body Model | 3kV |
| Machine Model | 300V |
| Charged Device Model | 1200V |

Thermal Information

| | | |
|---|---|---|
| Thermal Resistance (Typical) | θ_{JA} ($^\circ\text{C}/\text{W}$) | θ_{JC} ($^\circ\text{C}/\text{W}$) |
| 6 Ld SOT-23 Package (Notes 6, 9) | 170 | 105 |
| 6 Ld UTDFN Package (Notes 7, 8) | 125 | 80 |
| 8 Ld SOIC Package (Notes 6, 9) | 110 | 82 |
| 10 Ld MSOP Package (Notes 6, 9) | 175 | 90 |
| 10 Ld UTQFN Package (Notes 6, 9) | 190 | 140 |
| Ambient Operating Temperature Range | -40 $^\circ\text{C}$ to +125 $^\circ\text{C}$ | |
| Storage Temperature Range | -65 $^\circ\text{C}$ to +150 $^\circ\text{C}$ | |
| Operating Junction Temperature | +125 $^\circ\text{C}$ | |
| Pb-Free Reflow Profile | see link below | |
| | http://www.intersil.com/pbfree/Pb-FreeReflow.asp | |

Note: Changes are shaded in yellow