

## Product Advisor (PA)

**Subject:** Data Sheet Specification Change for Intersil Product ISL3180E\*

**Publication Date:** 7/9/2015

**Effective Date:** 7/9/2015

**Revision Description:**

Initial Release

**Description of Change:**

Intersil has updated the ESD rating for Human Body Model as shown in Appendix B for listed ISL3180E\* products.

**Reason for Change:**

The change to the ESD Rating aligns 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/isl3/isl3179e-80e.pdf>

**Product Identification:**

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.

**Qualification status:** Not Applicable

**Sample availability:** 7/9/2015

**Device material declaration:** Available upon request

*Questions or requests pertaining to this change notice, including additional data or samples, must be sent to Intersil within 30 days of the publication date.*

| For additional information regarding this notice, please contact your regional change coordinator (below) |  |   |  |
|---|--|---|--|
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Appendix A - Affected Products List

Appendix B - Datasheet update

Appendix A: Affected Products List

ISL3180EIBZ  
ISL3180EIBZ-T

Appendix B: Datasheet update

From:

| ESD PERFORMANCE                           |  |    |   |       |   |    |  |
|---|--|----|---|-------|---|----|--|
| RS-485 Pins (A/Y, B/Z)<br>ISL3179E Only   | IEC61000-4-2, Air-Gap Discharge Method | 25 | - | ±16.5 | - | kV |  |
|   | IEC61000-4-2, Contact Discharge Method | 25 | - | ±9    | - | kV |  |
|   | Human Body Model, From Bus Pins to GND | 25 | - | ±16.5 | - | kV |  |
| RS-485 Pins (A, B, Y, Z)<br>ISL3180E Only | IEC61000-4-2, Air-Gap Discharge Method | 25 | - | ±4    | - | kV |  |
|   | IEC61000-4-2, Contact Discharge Method | 25 | - | ±5    | - | kV |  |
|   | Human Body Model, From Bus Pins to GND | 25 | - | ±12   | - | kV |  |
| All Pins                                  | HBM, per MIL-STD-883 Method 3015       | 25 | - | >±9   | - | kV |  |
|   | Machine Model                          | 25 | - | >±400 | - | V  |  |

To:

| ESD PERFORMANCE                           |  |    |   |       |   |    |  |
|---|--|----|---|-------|---|----|--|
| RS-485 Pins (A/Y, B/Z)<br>ISL3179E Only   | IEC61000-4-2, Air-gap Discharge Method | 25 | - | ±16.5 | - | kV |  |
|   | IEC61000-4-2, Contact Discharge Method | 25 | - | ±9    | - | kV |  |
|   | Human Body Model, from bus pins to GND | 25 | - | ±16.5 | - | kV |  |
| All Pins<br>ISL3179E Only                 | Human Body Model, per JEDEC            | 25 | - | >±9   | - | kV |  |
|   | Machine Model, per JEDEC               | 25 | - | >±400 | - | V  |  |
| RS-485 Pins (A, B, Y, Z)<br>ISL3180E Only | IEC61000-4-2, Air-gap Discharge Method | 25 | - | ±4    | - | kV |  |
|   | IEC61000-4-2, Contact Discharge Method | 25 | - | ±5    | - | kV |  |
|   | Human Body Model, from bus pins to GND | 25 | - | ±12   | - | kV |  |
| All Pins<br>ISL3180E Only                 | Human Body Model, per JEDEC            | 25 | - | ±3    | - | kV |  |
|   | Machine Model, per JEDEC               | 25 | - | ±150  | - | V  |  |