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# **PRODUCT CHANGE NOTICE**

**Data Sheet Specification  
Change for Intersil  
ISL84051\*, ISL84052\*, and  
ISL84053\* Products**

**Refer to:  
PCN10107**

**Date: October 8, 2010**

October 8, 2010

To: Our Valued Intersil Customers

Subject: **Data Sheet Specification Change for Intersil ISL84051\*, ISL84052\*, and ISL84053\* Products**

This notice is to inform you that Intersil has updated the data sheet specification for the listed ISL84051\*, ISL84052\*, and ISL84053\* products. The changes to the electrical specification table consist of the following:

- i) The NO or NC OFF Leakage Current, COM OFF Leakage Current, COM ON Leakage Current parameters were updated to remove the 25°C minimum and maximum limits from the -5V, 5V and 3.3V Supply tables.
- ii) The Inhibit Turn-ON Time and Inhibit Turn-OFF Time parameters were updated to remove the 25°C and FULL temperature maximum limits from the -5V, 5V and 3.3V Supply tables.
- iii) The Address Transition Time parameter was updated to remove the 25°C maximum limit from the -5V Supply table.
- iv) The Break-Before-Make Time parameter was updated to remove the 25°C minimum limit from the -5V Supply table.
- v) The Charge Injection parameter was updated to remove the 25°C maximum limit from the -5V, 5V and 3.3V Supply tables.
- vi) The ON-Resistance parameter was updated to remove the 25°C and FULL temperature maximum limits from the - 3.3V Supply table.

Modifications to the data sheet specification are complete. The updated data sheet is available on the Intersil web site at <http://www.intersil.com/data/fn/fn6047.pdf>.

There will be no change in external marking of the packaged parts. Parts affected by this change are identifiable via Intersil's internal traceability system.

Intersil will take all necessary actions to conform to customer requirements and to ensure the continued high quality and reliability of Intersil products being supplied. Customers may expect to receive product electrically screened to the revised data sheet conditions beginning *ninety* days from the date of this notification or earlier with approval.

If you have concerns with this change notice, 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.

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PCN10107

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## **PCN10107 – Products Affected**

ISL84051IA-T  
ISL84051IAZ  
ISL84051IAZ-T  
ISL84051IB  
ISL84051IB-T  
ISL84051IBZ  
ISL84051IBZ-T  
ISL84051IBZ-T7A  
ISL84051IVZ  
ISL84051IVZ-T  
ISL84052IAZ  
ISL84052IAZ-T  
ISL84052IAZ-TS2687  
ISL84052IBZ  
ISL84052IBZ-T  
ISL84052IVZ  
ISL84052IVZ-T  
ISL84053IA-T  
ISL84053IAZ  
ISL84053IAZ-T  
ISL84053IAZ-TS2687  
ISL84053IBZ  
ISL84053IBZ-T

## PCN10107 – Data Sheet Electrical Specification Changes

| Parameter                                    | Symbol               | Temp | Current Limit |       |     | New Limit |            |     | Units    |    |
|--|----------------------|------|---------------|-------|-----|-----------|------------|-----|----------|----|
|  |                      |      | Min           | Typ   | Max | Min       | Typ        | Max |          |    |
| <b>Electrical Specifications - 5V Supply</b> |                      |      |               |       |     |           |            |     |          |    |
| NO or NC OFF Leakage Current                 | INO(OFF) or INC(OFF) | 25°C | -0.1          | 0.002 | 0.1 | -         | 0.002      | -   | nA       |    |
| COM OFF Leakage Current                      | ICOM(OFF)            | 25°C | -0.1          | 0.002 | 0.1 | -         | 0.002      | -   |          |    |
| COM ON Leakage Current                       | ICOM(OFF)            | 25°C | -0.1          | 0.002 | 0.1 | -         | 0.002      | -   |          |    |
| Inhibit Turn-ON Time                         | tON                  | 25°C | -             | 50    | 175 | -         | 50         | -   | nS       |    |
|  |                      | Full | -             | -     | 225 | -         | <b>60</b>  | -   |          |    |
| Inhibit Turn-OFF Time                        | tOFF                 | 25°C | -             | 50    | 150 | -         | 40         | -   |          |    |
|  |                      | Full | -             | -     | 200 | -         | <b>50</b>  | -   |          |    |
| Address Transition Time                      | tTRANS               | 25°C | -             | 75    | 250 | -         | 75         | -   |          |    |
| Break-Before-Make Time                       | tBBM                 | 25°C | 2             | 10    | -   | -         | 10         | -   |          |    |
| Charge Injection                             | Q                    | 25°C | -             | 2     | 10  | -         | 2          | -   | pC       |    |
| <b>Electrical Specifications 5V Supply</b>   |                      |      |               |       |     |           |            |     |          |    |
| NO or NC OFF Leakage Current                 | INO(OFF) or INC(OFF) | 25°C | -0.1          | 0.002 | 0.1 | -         | 0.002      | -   | nA       |    |
| COM OFF Leakage Current                      | ICOM(OFF)            | 25°C | -0.1          | 0.002 | 0.1 | -         | 0.002      | -   |          |    |
| COM ON Leakage Current                       | ICOM(OFF)            | 25°C | -0.1          | 0.002 | 0.1 | -         | 0.002      | -   |          |    |
| Inhibit Turn-ON Time                         | tON                  | 25°C | -             | 90    | 175 | -         | 90         | -   | nS       |    |
|  |                      | Full | -             | -     | 225 | -         | <b>100</b> | -   |          |    |
| Inhibit Turn-OFF Time                        | tOFF                 | 25°C | -             | 60    | 150 | -         | 60         | -   |          |    |
|  |                      | Full | -             | -     | 200 | -         | <b>70</b>  | -   |          |    |
| Charge Injection                             | Q                    | 25°C | -             | 2     | 10  | -         | 2          | -   |          | pC |
| <b>Electrical Specifications 3.3V Supply</b> |                      |      |               |       |     |           |            |     |          |    |
| ON-Resistance                                | rON                  | 25°C | -             | 250   | 525 | -         | 250        | -   | <b>Ω</b> |    |
|  |                      | Full | -             | -     | 700 | -         | <b>270</b> | -   |          |    |
| NO or NC OFF Leakage Current                 | INO(OFF) or INC(OFF) | 25°C | -0.1          | 0.002 | 0.1 | -         | 0.002      | -   | nA       |    |
| COM OFF Leakage Current                      | ICOM(OFF)            | 25°C | -0.1          | 0.002 | 0.1 | -         | 0.002      | -   |          |    |
| COM ON Leakage Current                       | ICOM(OFF)            | 25°C | -0.1          | 0.002 | 0.1 | -         | 0.002      | -   |          |    |
| Inhibit Turn-ON Time                         | tON                  | 25°C | -             | 180   | 600 | -         | 180        | -   | nS       |    |
|  |                      | Full | -             | -     | 700 | -         | <b>280</b> | -   |          |    |
| Inhibit Turn-OFF Time                        | tOFF                 | 25°C | -             | 100   | 300 | -         | 100        | -   |          |    |
|  |                      | Full | -             | -     | 400 | -         | <b>200</b> | -   |          |    |
| Charge Injection                             | Q                    | 25°C | -             | 1     | 10  | -         | 1          | -   |          | pC |