

## Product Advisor (PA)

**Subject:** Datasheet Specification Change for the listed ISL9237\* Products

**Publication Date:** 5/13/2016

**Effective Date:** 5/13/2016

**Revision Description:**

Initial Release

**Description of Change:**

This notice is to inform you that Intersil has updated Table 18 Prog pin to GND resistance values associated with charger programming options.

**Affected Products:**

|              |                   |                   |                   |
|--------------|-------------------|-------------------|-------------------|
| ISL9237HRZ   | ISL9237HRZ-TS2568 | ISL9237HRZ-TS2722 | ISL9237HRZ-TS2780 |
| ISL9237HRZ-T | ISL9237HRZ-T7A    | ISL9237HRZ-TK     |                   |

**Reason for Change:**

The change provides improved guidelines for resistor selection for programming options. Details regarding the change are contained on the following page. For a copy of the updated datasheet, please contact your local sales representative.

**Impact on fit, form, function, quality & reliability:**

The change will have no impact on the form, fit, function, quality, reliability and environmental compliance of the devices.

**Product Identification:**

Product affected by this change is identifiable via Intersil's internal traceability system.

**Qualification status:** Not applicable

**Sample availability:** 5/13/2016

**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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From:

To:

**TABLE 18. PROG PIN PROGRAMMING OPTIONS**

| PROG-GND RESISTANCE (kΩ) | CELL NUMBER | DEFAULT SWITCHING FREQUENCY | DEFAULT AdapterCurrentLimit1 Register (A) |
|--------------------------|-------------|-----------------------------|---|
| TYP 1%                   |             |                             |   |
| 0                        | 1-cell      | 733kHz                      | 0.1                                       |
| 16.9                     |             |                             | 0.476                                     |
| 31.6                     |             |                             | 1.5                                       |
| 44.2                     |             | 1MHz                        | 0.476                                     |
| 59                       |             |                             | 1.5                                       |
| 73.2                     |             |                             | 0.1                                       |
| 86.6                     |             |                             | 0.1                                       |
| 102                      | 2-cell      | 733kHz                      | 0.476                                     |
| 118                      |             |                             | 1.5                                       |
| 133                      |             |                             | 0.476                                     |
| 147                      |             | 1MHz                        | 1.5                                       |
| 162                      |             |                             | 0.1                                       |
| 178                      |             |                             | 0.476                                     |
| 191                      |             |                             | 1.5                                       |
| 207 (Note 8)             | 3-cell      | 1MHz                        | 0.476                                     |
| 232                      |             |                             | 1.5                                       |

NOTE:

8. 207kΩ is not standard resistor; use two resistors in series or in parallel to get the closest value; or use 208kΩ.

**TABLE 18. PROG PIN PROGRAMMING OPTIONS**

| PROG-PIN RESISTOR (kΩ) |              |       | BATTERY CELL NUMBER | DEFAULT SWITCHING FREQUENCY | DEFAULT AdapterCurrent Limit1 Register (A) |
|------------------------|--------------|-------|---------------------|-----------------------------|--|
| MIN.                   | VALUE 1%     | MAX.  |                     |                             |  |
|                        | 0            |       | 1-cell              | 733kHz                      | 0.1  |
| 16.6                   | 16.9         | 17.2  |                     |                             | 0.476                                      |
| 31.1                   | 31.6         | 32.1  |                     |                             | 1.5  |
| 43.5                   | 44.2         | 44.9  |                     | 1MHz                        | 0.476                                      |
| 58.1                   | 59           | 59.9  |                     |                             | 1.5  |
| 72.1                   | 73.2         | 74.3  |                     |                             | 0.1  |
| 85.3                   | 86.6         | 87.9  | 2-cell              | 733kHz                      | 0.1  |
| 101                    | 102          | 103   |                     |                             | 0.476                                      |
| 113.9                  | 115          | 116.2 |                     |                             | 1.5  |
| 128.7                  | 130          | 131.3 |                     | 1MHz                        | 0.476                                      |
| 141.6                  | 143          | 144.4 |                     |                             | 1.5  |
| 156.4                  | 158          | 159.6 |                     |                             | 0.1  |
| 172.3                  | 174          | 175.7 | 3-cell              | 733kHz                      | 0.476                                      |
| 185.1                  | 187          | 188.9 |                     |                             | 1.5  |
| 201                    | 203 (Note 8) | 205   |                     | 1MHz                        | 0.476                                      |
| 218.8                  | 221          | 223.2 |                     |                             | 1.5  |

NOTE:

8. 203kΩ is not standard resistor; use two resistors in series or in parallel to get the closest value.