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| <b>PCN Date: 27 Jun 2011</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | <b>Effective Date: 27 Jun 2011</b> |                    |
| <b>Title: C8051T61x Datasheet Revision from 1.0 to 1.1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                    |                    |
| <b>Originator: Ross Bannatyne</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | <b>Phone: 5125325780</b>           | <b>Dept: EMS</b>   |
| <b>Customer Contact: Kathy Haggar</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | <b>Phone: 512 532 5261</b>         | <b>Dept: Sales</b> |
| <b>PCN Type:</b><br><input type="checkbox"/> Assembly <input type="checkbox"/> Discontinuance <input type="checkbox"/> Package <input type="checkbox"/> Test<br><input checked="" type="checkbox"/> Datasheet <input type="checkbox"/> Fabrication <input type="checkbox"/> Product Revision<br><input type="checkbox"/> Packing <input type="checkbox"/> Labeling <input type="checkbox"/> Location <input type="checkbox"/> Other<br><b>Last Order Date: N/A</b>                                                                              |  |                                    |                    |
| <b>PCN Details</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                    |                    |
| <b>Description of Change:</b> Silicon Labs is pleased to announce rev 1.1 Datasheet for the C8051T61x product family. Products marked with a date code later than 1119 benefit from a faster EPROM programming time as detailed in Datasheet section 17.1.1 and Table 7.6.<br><b>Although devices with date code 1119 or later can use a faster EPROM programming time, there is no requirement for customers to change their existing program timing for this material.</b><br><b>The changes to the Datasheet are detailed in Appendix A.</b> |  |                                    |                    |
| <b>Reason for Change:</b> To reflect improved programming time for the C8051T61x family of products.                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                    |                    |
| <b>Impact on Form, Fit, Function, Quality, Reliability:</b> There is no impact on form, fit, quality or reliability. Required programming time functionality has been improved.                                                                                                                                                                                                                                                                                                                                                                 |  |                                    |                    |
| <b>Product Identification:</b> C8051T610, C8051T611, C8051T612, C8051T613, C8051T614, C8051T615, C8051T616, C8051T617                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                    |                    |
| <b>Last Date of Unchanged Product:</b> 27 Jun 2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                    |                    |
| <b>Qualification Samples:</b> N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                    |                    |
| <b>Customer Early Acceptance Sign Off:</b><br>Customers may approve early PCN acceptance by completing the information below:<br>Early Acceptance Date:<br>Name:<br>Company:<br>Email your early Acceptance approval to: <a href="mailto:katherine.haggar@silabs.com">katherine.haggar@silabs.com</a>                                                                                                                                                                                                                                           |  |                                    |                    |
| <b>Qualification Data:</b> N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                    |                    |

### Appendix A – Datasheet changes

#### Revision 1.0 to Revision 1.1:

- ☐ Updated EPROM programming recommendations in section 17.1.1 for devices dated 1119 and later.
- ☐ Added note to Table 7.6.

#### Access to online Datasheets:

C8051T610/1/2/3/4/5/6/7 Datasheet v1.1 can be found here:

<http://www.silabs.com/support%20Documents/TechnicalDocs/c8051t61x.pdf>