Process Change Notice #1106071

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PCN Date: 07June2011	Effective Date: 07June2011

Title: Si53x Datasheet Revision from 1.1 to 1.2

Originator: Jason Rock	Phone: 512-532-5997	Dept: WL Timing Marketing
Customer Contact: Kathy Haggar	Phone: 512-532-5261	Dept: Sales

PCN Type:

☐ Assembly	☐ Discontinuance	☐ Package	☐ Test
☒ Datasheet	☐ Fabrication	☐ Product Revision	
☐ Packing	☐ Labeling	☐ Location	☐ Other

Last Order Date: N/A

PCN Details

Description of Change:

Silicon Labs is pleased to announce rev 1.2 for the Si530, Si531, Si532, Si533, Si534 devices. Please refer to Appendix A for a list of document changes and access to these datasheets online.

Reason for Change: To ensure datasheets are consistent with the functionality of the Si53x devices

Impact on Form, Fit, Function, Quality, Reliability: There is no impact on form, fit, function, quality or reliability

Product Identification: Si530, Si531, Si532, Si533, Si534

Last Date of Unchanged Product: N/A

Qualification Samples: N/A

Customer Early Acceptance Sign Off:

Customers may approve early PCN acceptance by completing the information below:

Early Acceptance Date:

Name:

Company:

Email your early Acceptance approval to: katherine.haggar@silabs.com

Qualification Data: N/A

Appendix A:

Si530/31 datasheet revision 1.1 to v1.2 changes:

☐ Updated 2.5 V/3.3 V and 1.8 V CML output level specifications for Table 3 on page 3.
☐ Added footnotes clarifying max offset frequency test conditions for Table 4 on page 4.
☐ Added CMOS phase jitter specs to Table 4 on page 4.
☐ Removed the words "Differential Modes: LVPECL/LVDS/CML" in footnote referring to AN256 in Table 4 on page 4.
☐ Separated 1.8 V, 2.5 V/3.3 V supply voltage specifications in Table 8 on page 5.
☐ Updated and clarified Table 8 on page 5 to include the "Moisture Sensitivity Level" and "Contact Pads" rows.
☐ Updated Figure 3 on page 9 and Table 12 on page 9 to reflect specific marking information. Previously, Figure 3 was generic.

Si532 datasheet revision 1.1 to v1.2 changes:

☐ Updated 2.5 V/3.3 V and 1.8 V CML output level specifications for Table 3 on page 3.
☐ Added footnotes clarifying max offset frequency test conditions for Table 4 on page 4.
☐ Removed the words "Differential Modes: LVPECL/LVDS/CML" in footnote referring to AN256 in Table 4 on page 4.
☐ Added CMOS phase jitter specs to Table 4 on page 4.
☐ Updated Table 8 on page 5 to include the "Moisture Sensitivity Level" and "Contact Pads" rows.
☐ Updated Figure 3 and Table 11 on page 9 to reflect specific marking information. Previously, Figure 3 was generic.

Si533 datasheet revision 1.1 to v1.2 changes:

☐ Updated 2.5 V/3.3 V and 1.8 V CML output level specifications for Table 3 on page 3.
☐ Added footnotes clarifying max offset frequency test conditions for Table 4 on page 4.
☐ Removed the words "Differential Modes: LVPECL/LVDS/CML" in footnote referring to AN256 in Table 4 on page 4.
☐ Added CMOS phase jitter specs to Table 4 on page 4.
☐ Updated Table 8 on page 5 to include the "Moisture Sensitivity Level" and "Contact Pads" rows.
☐ Updated Figure 3 and Table 10 on page 9 to reflect specific marking information. Previously, Figure 3 was generic.
☐ Updated contact information on page 12.

Si533 datasheet revision 1.1 to v1.2 changes:

☐ Updated 2.5 V/3.3 V and 1.8 V CML output level specifications for Table 3 on page 3.
☐ Added footnotes clarifying max offset frequency test conditions for Table 4 on page 4.
☐ Removed the words "Differential Modes: LVPECL/LVDS/CML" in footnote referring to AN256 in Table 4 on page 4.
☐ Added CMOS phase jitter specs to Table 4 on page 4.
☐ Updated ESD HBM sensitivity rating in Table 7 on page 5.
☐ Updated Table 8 on page 5 to include the "Moisture Sensitivity Level" and "Contact Pads" rows.
☐ Updated package diagram to include crystal impedance pin in Figure 2 on page 8.
☐ Updated Figure 3 and Table 11 on page 9 to reflect specific marking information. Previously, Figure 3 was generic.

Access to online datasheets:

Si530/31 Datasheet v1.2 can be found here:
http://www.silabs.com/Support%20Documents/TechnicalDocs/si530.pdf

Si532 Datasheet v1.2 can be found here:
http://www.silabs.com/Support%20Documents/TechnicalDocs/si532.pdf

Si533 Datasheet v1.2 can be found here:
http://www.silabs.com/Support%20Documents/TechnicalDocs/si533.pdf

Si534 Datasheet v1.2 can be found here:
http://www.silabs.com/Support%20Documents/TechnicalDocs/si534.pdf