



# Revision Change Notice #1503273

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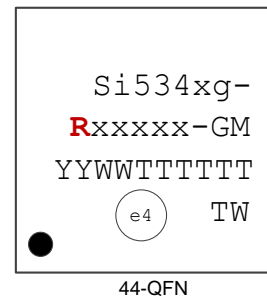
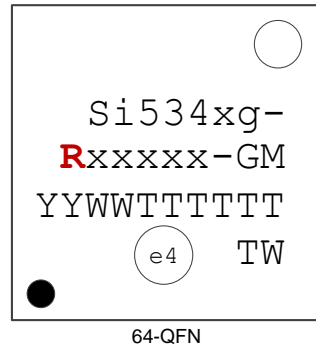
<b>PCN Date: 3/27/2015</b>		<b>Effective Date: 7/2/2015</b>	
<b>Title: Si5347-46-45-44-42-41-40: Product Revision B with revised Datasheets, Family Reference Manuals, and ClockBuilder Pro software.</b>			
<b>Originator: P. Callahan</b>		<b>Phone: 512-532-5853</b>	<b>Dept: Timing BU - Mktg</b>
<b>Customer Contact: Kathy Haggar</b>		<b>Phone: 512-532-5261</b>	<b>Dept: Sales</b>
<b>PCN Type:</b>			
<input checked="" type="checkbox"/> <b>Datasheet</b>			
<input checked="" type="checkbox"/> <b>Product Revision</b>			
<b>PCN Details</b>			
<b>Description of Changes:</b>			
Silicon Labs is pleased to announce the availability of Product Revision B of the Si534x Clock Generators / Jitter Attenuators.			
Product revision B improves the crystal oscillator startup performance of the device when the junction temperature exceeds 110 °C. <u>In all other cases, revision B provides identical performance to revision A.</u>			
The product data sheets, ClockBuilder Pro configuration software, and Family Reference Manuals have been updated to support the new revision. For more information, go to:			
<ul style="list-style-type: none"><li>• <a href="http://www.silabs.com/timing">www.silabs.com/timing</a></li><li>• <a href="http://www.silabs.com/cbpro">www.silabs.com/cbpro</a></li></ul>			
After the effective date of this PCN, Silicon Labs reserves the right to deliver product Revision B for customers ordering product revision A.			

### Reasons for Changes:

- 1) For applications using product revision A and an external crystal, the maximum recommended operating junction temperature is 110 °C. Revision B improves oscillation margin to support reliable startup with junction temperatures up to 125 °C. This enhancement fixes the device issue, as described in the errata document (refer to erratum #2, located at: <http://www.silabs.com/Support%20Documents/TechnicalDocs/Si5347-46-45-44-42-41-40Errata.pdf>). This change does not impact customers or applications which use an external oscillator (XO). In XO-based applications, Revision A and B will behave identically.
- 2) The Datasheets (and Family Reference Manuals or FRMs) have been revised, with major items as follows:
  - Updated Electrical specification tables based on characterization test results.
  - Updated Ordering Guide section of each data sheet to reflect revision B.
  - Added 3-wire SPI timing specifications and diagram.
  - Corrected references and specifications from “LVCMOS - DC coupled” to “Pulsed CMOS - DC-Coupled”.
  - Corrected I2C data hold time specification to 100 ns from 5 µs.
  - The Output impedance values of the CMOS drivers have been corrected (see the FRMs).
  - The “Stop mid” output driver state has been removed as an option from CBPro.
  - Refer to the Document Change List section of each datasheet and FRM for more details.
- 3) The [ClockBuilder Pro](#) configuration software has been enhanced to further simplify device configuration, optimize jitter performance, as well as to address various configuration and software issues. Customers are strongly encouraged to always use the latest revision of ClockBuilder Pro to configure their devices and review the design rule checks (DRC) reported in CBPro and in each datasheet addendum. Refer to the ClockBuilder Pro Release Notes at <http://www.silabs.com/Support%20Documents/Software/ClockBuilder-Pro-README.pdf> for further information.

**Impact on Form, Fit, Function, Quality, Reliability:**

- **Form:** The device top mark has been updated to reflect the change to Revision B. Refer to the diagrams below. For more information, refer to each datasheet's Top Marking section, located at [www.silabs.com](http://www.silabs.com).
  - Device Revision A Top Mark: First character position (**R**) on line 2 below is an "A".
  - Device Revision B Top Mark: First character position (**R**) on line 2 below is a "B".



- **Fit:** No changes.
- **Function:**
  - a) For all Product (or Device Revision) B devices, oscillator startup behavior is now consistent up to the maximum specified junction temperature of 125 °C. This change is only applicable to customers and applications which use an external crystal. Customers who use an XO are not affected by this change.
  - b) To enable electronic identification of the revision, all Product Revision B devices include updates to non-volatile memory (NVM) register values:
    - Register address 0x0005.
    - One ASCII character indicates the Product (or Device) Revision level.
    - 0 = Product (or Device) Revision A; 1 = Product (or Device) Revision B.
    - Example: Si5346A-B12345-GM; the Product Revision is "B" and stored as 1.
  - c) For all "base" OPN devices (see Product Identification section below), the startup configuration for Device Revision B devices no longer includes a default 25 MHz clock (disabled) on OUT0. This has no impact on device startup behavior in applications.
  - d) See Product Identification & Actions section below for more information.
- **Quality & Reliability:** No changes.

**Product Identification & Actions:**

Customers should determine which OPN type(s) (“[Base](#)” or “[Custom](#) OPN”) they are currently using for Revision A, then use the following tables to determine which Revision B part numbers they prefer to use to replace their Revision A device(s).

**Notes:**

- ALL part numbers listed below include tape and reel variants which are denoted with an “R” at the end of the orderable part number.
- Device configuration information for all part numbers can be looked up using: <http://www.silabs.com/products/clocksoscillators/Pages/Utilityintro.aspx>

1) “**Base**” (un-programmed, or no usable frequency plan programmed at Silicon Labs) OPNs:

- These devices utilize a part number convention which includes a single Product Revision letter (A or B) in the middle of the OPN. For example, Si5341A-A-GM is a “base” OPN, since the optional OPN ID sequence of 5 digits is *not* included in the part number.
- **Note 1:** For all customers using Revision A “Base” part numbers ([listed in the table below](#)), Revision B devices are drop-in compatible, with two exceptions:
  - The Device Revision register setting has been updated in the non-volatile memory, as described in the “Function” changes in the previous section, and
  - The startup configurations for Device Revision B devices no longer include a default 25 MHz clock (disabled) on OUT0.

**Base OPN Replacement Table:**

Existing “Base” Part Number (Revision A)	Replacement Part Number (Revision B)	Drop in compatible indicator
Si5340A-A-GM	Si5340A-B-GM	Yes, See <a href="#">Note1</a> above
Si5340B-A-GM	Si5340B-B-GM	Yes, See <a href="#">Note1</a> above
Si5340C-A-GM	Si5340C-B-GM	Yes, See <a href="#">Note1</a> above
Si5340D-A-GM	Si5340D-B-GM	Yes, See <a href="#">Note1</a> above
Si5341A-A-GM	Si5341A-B-GM	Yes, See <a href="#">Note1</a> above
Si5341B-A-GM	Si5341B-B-GM	Yes, See <a href="#">Note1</a> above
Si5341C-A-GM	Si5341C-B-GM	Yes, See <a href="#">Note1</a> above
Si5341D-A-GM	Si5341D-B-GM	Yes, See <a href="#">Note1</a> above
Si5342A-A-GM	Si5342A-B-GM	Yes, See <a href="#">Note1</a> above
Si5342B-A-GM	Si5342B-B-GM	Yes, See <a href="#">Note1</a> above
Si5342C-A-GM	Si5342C-B-GM	Yes, See <a href="#">Note1</a> above
Si5342D-A-GM	Si5342D-B-GM	Yes, See <a href="#">Note1</a> above
Si5344A-A-GM	Si5344A-B-GM	Yes, See <a href="#">Note1</a> above
Si5344B-A-GM	Si5344B-B-GM	Yes, See <a href="#">Note1</a> above
Si5344C-A-GM	Si5344C-B-GM	Yes, See <a href="#">Note1</a> above
Si5344D-A-GM	Si5344D-B-GM	Yes, See <a href="#">Note1</a> above
Si5345A-A-GM	Si5345A-B-GM	Yes, See <a href="#">Note1</a> above
Si5345B-A-GM	Si5345B-B-GM	Yes, See <a href="#">Note1</a> above
Si5345C-A-GM	Si5345C-B-GM	Yes, See <a href="#">Note1</a> above
Si5345D-A-GM	Si5345D-B-GM	Yes, See <a href="#">Note1</a> above
Si5346A-A-GM	Si5346A-B-GM	Yes, See <a href="#">Note1</a> above
Si5346B-A-GM	Si5346B-B-GM	Yes, See <a href="#">Note1</a> above
Si5347A-A-GM	Si5347A-B-GM	Yes, See <a href="#">Note1</a> above
Si5347B-A-GM	Si5347B-B-GM	Yes, See <a href="#">Note1</a> above

## 2) “Custom” OPNs:

Custom OPNs are used for customer-specified, factory pre-programmed devices. Example: Si5341A-Axxxxx-GM, where xxxxx refers to a unique 5-digit “OPN ID” code assigned by the ClockBuilder Pro software. The Custom OPN’s “xxxxx” field is also referred to as a “customer specific NVM sequence number” in the Ordering Guide section of the datasheets.

- If the customer is satisfied with the performance and functionality of their existing Revision A device:

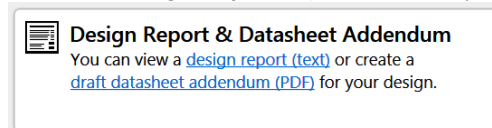
**Note 2:** All Revision A “Custom OPN” part numbers (see the [Appendix](#)) now have functionally equivalent, Revision B devices available for ordering which are drop-in compatible, with the following exception:

- The Product Revision register setting value (also known as the “Device Revision” in the Family Reference Manuals) has been updated in the non-volatile memory, as described in the “Function” changes in the previous section.
- If the customer wants to take advantage of the functional and performance enhancements (as well as various bug fixes) described in the ClockBuilder Pro Release Notes at: <http://www.silabs.com/Support%20Documents/Software/ClockBuilder-Pro-README.pdf>, customers should follow the procedure outlines below to generate a new Custom OPN:
  - A) Download the latest ClockBuilder Pro software from [www.silabs.com/cbpro](http://www.silabs.com/cbpro).
  - B) Lookup and download your existing Revision A OPN’s ClockBuilder Pro project file using: <http://www.silabs.com/products/clocksoscillators/Pages/Utilityintro.aspx>
  - C) Open your downloaded ClockBuilder Pro project file for your existing OPN, by following these steps from ClockBuilder Pro’s main menu:

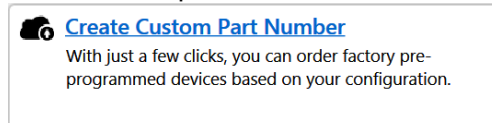
- “Open Design Project File” (downloaded in Step #2 above):



- “Review Design Report” (and make any necessary or desired changes):



- Follow the steps to “Create Custom Part Number”:



- Your new custom OPN will be automatically emailed to you.
- Contact your local [Silicon Labs sales office](#) to place a sample order.

**Last Date of Unchanged Product:**

Not Applicable.

**Qualification Samples:** Samples are available now. Please contact your Silicon Labs sales representative to order samples. A list of Silicon Labs sales representatives is available at [www.silabs.com](http://www.silabs.com).



# Revision Change Notice #1503273

Specific conditions of acceptance of this change will be considered on a case by case basis if written notice is submitted within 30 days of this notice. To request further data or inquire about this notification, please contact your local Silicon Labs sales representative. A list of Silicon Labs sales representatives is available at [www.silabs.com](http://www.silabs.com).

In some cases rejection of a change notice may impact Silicon Labs product pricing, delivery, quality, or reliability.

**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.haggard@silabs.com](mailto:katherine.haggard@silabs.com)

**Qualification Data:**

See Appendix B

**Appendix A: Custom OPNs (for Revision A) with Equivalent Revision B OPN Available for Ordering**

Existing "Custom" Ordering Part Number (Revision A)	Replacement Ordering Part Number (Revision B)	Existing "Custom" Ordering Part Number (Revision A)	Replacement Ordering Part Number (Revision B)	Drop in Compatible Indicator
Si5340A-A03284-GM	Si5340A-B03284-GM	Si5344B-A02953-GM	Si5344B-B02953-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03285-GM	Si5340A-B03285-GM	Si5344B-A03265-GM	Si5344B-B03265-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03315-GM	Si5340A-B03315-GM	Si5344B-A03301-GM	Si5344B-B03301-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03465-GM	Si5340A-B03465-GM	Si5344B-A03330-GM	Si5344B-B03330-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03499-GM	Si5340A-B03499-GM	Si5344B-A03331-GM	Si5344B-B03331-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03504-GM	Si5340A-B03504-GM	Si5344B-A03388-GM	Si5344B-B03388-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03603-GM	Si5340A-B03603-GM	Si5344B-A03550-GM	Si5344B-B03550-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03604-GM	Si5340A-B03604-GM	Si5344B-A03739-GM	Si5344B-B03739-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03608-GM	Si5340A-B03608-GM	Si5344B-A03743-GM	Si5344B-B03743-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03609-GM	Si5340A-B03609-GM	Si5344B-A03749-GM	Si5344B-B03749-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03610-GM	Si5340A-B03610-GM	Si5344B-A03750-GM	Si5344B-B03750-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03611-GM	Si5340A-B03611-GM	Si5344B-A03753-GM	Si5344B-B03753-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03612-GM	Si5340A-B03612-GM	Si5344B-A03754-GM	Si5344B-B03754-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03613-GM	Si5340A-B03613-GM	Si5344B-A03803-GM	Si5344B-B03803-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03614-GM	Si5340A-B03614-GM	Si5344B-A03998-GM	Si5344B-B03998-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03615-GM	Si5340A-B03615-GM	Si5344B-A04029-GM	Si5344B-B04029-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03617-GM	Si5340A-B03617-GM	Si5344B-A04127-GM	Si5344B-B04127-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03618-GM	Si5340A-B03618-GM	Si5344B-A04173-GM	Si5344B-B04173-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03901-GM	Si5340A-B03901-GM	Si5344B-A04184-GM	Si5344B-B04184-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03917-GM	Si5340A-B03917-GM	Si5344D-A03468-GM	Si5344D-B03468-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03919-GM	Si5340A-B03919-GM	Si5344D-A03551-GM	Si5344D-B03551-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03951-GM	Si5340A-B03951-GM	Si5344D-A03552-GM	Si5344D-B03552-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A03954-GM	Si5340A-B03954-GM	Si5344D-A03928-GM	Si5344D-B03928-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A04024-GM	Si5340A-B04024-GM	Si5344D-A03930-GM	Si5344D-B03930-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A04055-GM	Si5340A-B04055-GM	Si5344D-A04028-GM	Si5344D-B04028-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A04083-GM	Si5340A-B04083-GM	Si5344D-A04082-GM	Si5344D-B04082-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A04084-GM	Si5340A-B04084-GM	Si5344D-A04205-GM	Si5344D-B04205-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A04086-GM	Si5340A-B04086-GM	Si5345A-A02939-GM	Si5345A-B02939-GM	Yes, see <a href="#">Note2</a> above



# Revision Change Notice #1503273

Si5340A-A04105-GM	Si5340A-B04105-GM	Si5345A-A02956-GM	Si5345A-B02956-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A04136-GM	Si5340A-B04136-GM	Si5345A-A03133-GM	Si5345A-B03133-GM	Yes, see <a href="#">Note2</a> above
Si5340A-A04199-GM	Si5340A-B04199-GM	Si5345A-A03247-GM	Si5345A-B03247-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A03193-GM	Si5340B-B03193-GM	Si5345A-A03269-GM	Si5345A-B03269-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A03498-GM	Si5340B-B03498-GM	Si5345A-A03273-GM	Si5345A-B03273-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A03602-GM	Si5340B-B03602-GM	Si5345A-A03278-GM	Si5345A-B03278-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A03605-GM	Si5340B-B03605-GM	Si5345A-A03292-GM	Si5345A-B03292-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A03670-GM	Si5340B-B03670-GM	Si5345A-A03293-GM	Si5345A-B03293-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A03719-GM	Si5340B-B03719-GM	Si5345A-A03332-GM	Si5345A-B03332-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A03906-GM	Si5340B-B03906-GM	Si5345A-A03352-GM	Si5345A-B03352-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A03918-GM	Si5340B-B03918-GM	Si5345A-A03371-GM	Si5345A-B03371-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A03975-GM	Si5340B-B03975-GM	Si5345A-A03374-GM	Si5345A-B03374-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A03995-GM	Si5340B-B03995-GM	Si5345A-A03414-GM	Si5345A-B03414-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A04027-GM	Si5340B-B04027-GM	Si5345A-A03416-GM	Si5345A-B03416-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A04058-GM	Si5340B-B04058-GM	Si5345A-A03435-GM	Si5345A-B03435-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A04085-GM	Si5340B-B04085-GM	Si5345A-A03469-GM	Si5345A-B03469-GM	Yes, see <a href="#">Note2</a> above
Si5340B-A04113-GM	Si5340B-B04113-GM	Si5345A-A03542-GM	Si5345A-B03542-GM	Yes, see <a href="#">Note2</a> above
Si5340C-A02992-GM	Si5340C-B02992-GM	Si5345A-A03597-GM	Si5345A-B03597-GM	Yes, see <a href="#">Note2</a> above
Si5340D-A02991-GM	Si5340D-B02991-GM	Si5345A-A03619-GM	Si5345A-B03619-GM	Yes, see <a href="#">Note2</a> above
Si5340D-A03014-GM	Si5340D-B03014-GM	Si5345A-A03641-GM	Si5345A-B03641-GM	Yes, see <a href="#">Note2</a> above
Si5340D-A03702-GM	Si5340D-B03702-GM	Si5345A-A03652-GM	Si5345A-B03652-GM	Yes, see <a href="#">Note2</a> above
Si5340D-A04032-GM	Si5340D-B04032-GM	Si5345A-A03682-GM	Si5345A-B03682-GM	Yes, see <a href="#">Note2</a> above
Si5340D-A04124-GM	Si5340D-B04124-GM	Si5345A-A03709-GM	Si5345A-B03709-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A00001-GM	Si5341A-B00001-GM	Si5345A-A03711-GM	Si5345A-B03711-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A02938-GM	Si5341A-B02938-GM	Si5345A-A03712-GM	Si5345A-B03712-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03286-GM	Si5341A-B03286-GM	Si5345A-A03713-GM	Si5345A-B03713-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03287-GM	Si5341A-B03287-GM	Si5345A-A03772-GM	Si5345A-B03772-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03412-GM	Si5341A-B03412-GM	Si5345A-A03843-GM	Si5345A-B03843-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03413-GM	Si5341A-B03413-GM	Si5345A-A03857-GM	Si5345A-B03857-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03415-GM	Si5341A-B03415-GM	Si5345A-A03867-GM	Si5345A-B03867-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03543-GM	Si5341A-B03543-GM	Si5345A-A03886-GM	Si5345A-B03886-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03592-GM	Si5341A-B03592-GM	Si5345A-A03887-GM	Si5345A-B03887-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03593-GM	Si5341A-B03593-GM	Si5345A-A03889-GM	Si5345A-B03889-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03594-GM	Si5341A-B03594-GM	Si5345A-A03926-GM	Si5345A-B03926-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03596-GM	Si5341A-B03596-GM	Si5345A-A03949-GM	Si5345A-B03949-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03598-GM	Si5341A-B03598-GM	Si5345A-A04017-GM	Si5345A-B04017-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03606-GM	Si5341A-B03606-GM	Si5345A-A04044-GM	Si5345A-B04044-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03607-GM	Si5341A-B03607-GM	Si5345A-A04046-GM	Si5345A-B04046-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03616-GM	Si5341A-B03616-GM	Si5345A-A04118-GM	Si5345A-B04118-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03632-GM	Si5341A-B03632-GM	Si5345A-A04208-GM	Si5345A-B04208-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03645-GM	Si5341A-B03645-GM	Si5345A-A04211-GM	Si5345A-B04211-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03735-GM	Si5341A-B03735-GM	Si5345B-A00003-GM	Si5345B-B00003-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03759-GM	Si5341A-B03759-GM	Si5345B-A00007-GM	Si5345B-B00007-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03760-GM	Si5341A-B03760-GM	Si5345B-A00008-GM	Si5345B-B00008-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03761-GM	Si5341A-B03761-GM	Si5345B-A00010-GM	Si5345B-B00010-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03768-GM	Si5341A-B03768-GM	Si5345B-A00011-GM	Si5345B-B00011-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03774-GM	Si5341A-B03774-GM	Si5345B-A00012-GM	Si5345B-B00012-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03802-GM	Si5341A-B03802-GM	Si5345B-A00020-GM	Si5345B-B00020-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03858-GM	Si5341A-B03858-GM	Si5345B-A00021-GM	Si5345B-B00021-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03866-GM	Si5341A-B03866-GM	Si5345B-A02948-GM	Si5345B-B02948-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03869-GM	Si5341A-B03869-GM	Si5345B-A02957-GM	Si5345B-B02957-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03890-GM	Si5341A-B03890-GM	Si5345B-A02983-GM	Si5345B-B02983-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03902-GM	Si5341A-B03902-GM	Si5345B-A02984-GM	Si5345B-B02984-GM	Yes, see <a href="#">Note2</a> above



# Revision Change Notice #1503273

Si5341A-A03937-GM	Si5341A-B03937-GM	Si5345B-A03065-GM	Si5345B-B03065-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03957-GM	Si5341A-B03957-GM	Si5345B-A03066-GM	Si5345B-B03066-GM	Yes, see <a href="#">Note2</a> above
Si5341A-A03997-GM	Si5341A-B03997-GM	Si5345B-A03103-GM	Si5345B-B03103-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03068-GM	Si5341B-B03068-GM	Si5345B-A03104-GM	Si5345B-B03104-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03080-GM	Si5341B-B03080-GM	Si5345B-A03138-GM	Si5345B-B03138-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03089-GM	Si5341B-B03089-GM	Si5345B-A03147-GM	Si5345B-B03147-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03092-GM	Si5341B-B03092-GM	Si5345B-A03159-GM	Si5345B-B03159-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03094-GM	Si5341B-B03094-GM	Si5345B-A03179-GM	Si5345B-B03179-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03101-GM	Si5341B-B03101-GM	Si5345B-A03202-GM	Si5345B-B03202-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03128-GM	Si5341B-B03128-GM	Si5345B-A03207-GM	Si5345B-B03207-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03162-GM	Si5341B-B03162-GM	Si5345B-A03234-GM	Si5345B-B03234-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03176-GM	Si5341B-B03176-GM	Si5345B-A03240-GM	Si5345B-B03240-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03199-GM	Si5341B-B03199-GM	Si5345B-A03266-GM	Si5345B-B03266-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03281-GM	Si5341B-B03281-GM	Si5345B-A03279-GM	Si5345B-B03279-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03307-GM	Si5341B-B03307-GM	Si5345B-A03321-GM	Si5345B-B03321-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03310-GM	Si5341B-B03310-GM	Si5345B-A03351-GM	Si5345B-B03351-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03319-GM	Si5341B-B03319-GM	Si5345B-A03373-GM	Si5345B-B03373-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03320-GM	Si5341B-B03320-GM	Si5345B-A03375-GM	Si5345B-B03375-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03334-GM	Si5341B-B03334-GM	Si5345B-A03387-GM	Si5345B-B03387-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03350-GM	Si5341B-B03350-GM	Si5345B-A03419-GM	Si5345B-B03419-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03372-GM	Si5341B-B03372-GM	Si5345B-A03436-GM	Si5345B-B03436-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03386-GM	Si5341B-B03386-GM	Si5345B-A03438-GM	Si5345B-B03438-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03397-GM	Si5341B-B03397-GM	Si5345B-A03470-GM	Si5345B-B03470-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03401-GM	Si5341B-B03401-GM	Si5345B-A03475-GM	Si5345B-B03475-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03402-GM	Si5341B-B03402-GM	Si5345B-A03476-GM	Si5345B-B03476-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03410-GM	Si5341B-B03410-GM	Si5345B-A03490-GM	Si5345B-B03490-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03418-GM	Si5341B-B03418-GM	Si5345B-A03493-GM	Si5345B-B03493-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03454-GM	Si5341B-B03454-GM	Si5345B-A03544-GM	Si5345B-B03544-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03473-GM	Si5341B-B03473-GM	Si5345B-A03585-GM	Si5345B-B03585-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03474-GM	Si5341B-B03474-GM	Si5345B-A03601-GM	Si5345B-B03601-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03496-GM	Si5341B-B03496-GM	Si5345B-A03684-GM	Si5345B-B03684-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03500-GM	Si5341B-B03500-GM	Si5345B-A03695-GM	Si5345B-B03695-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03545-GM	Si5341B-B03545-GM	Si5345B-A03701-GM	Si5345B-B03701-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03589-GM	Si5341B-B03589-GM	Si5345B-A03718-GM	Si5345B-B03718-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03595-GM	Si5341B-B03595-GM	Si5345B-A03755-GM	Si5345B-B03755-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03599-GM	Si5341B-B03599-GM	Si5345B-A03779-GM	Si5345B-B03779-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03600-GM	Si5341B-B03600-GM	Si5345B-A03841-GM	Si5345B-B03841-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03627-GM	Si5341B-B03627-GM	Si5345B-A03872-GM	Si5345B-B03872-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03628-GM	Si5341B-B03628-GM	Si5345B-A03904-GM	Si5345B-B03904-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03631-GM	Si5341B-B03631-GM	Si5345B-A03988-GM	Si5345B-B03988-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03665-GM	Si5341B-B03665-GM	Si5345B-A03989-GM	Si5345B-B03989-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03726-GM	Si5341B-B03726-GM	Si5345B-A04064-GM	Si5345B-B04064-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03744-GM	Si5341B-B03744-GM	Si5345B-A04066-GM	Si5345B-B04066-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03756-GM	Si5341B-B03756-GM	Si5345B-A04134-GM	Si5345B-B04134-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03773-GM	Si5341B-B03773-GM	Si5345B-A04137-GM	Si5345B-B04137-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03784-GM	Si5341B-B03784-GM	Si5345B-A04138-GM	Si5345B-B04138-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03787-GM	Si5341B-B03787-GM	Si5345B-A04151-GM	Si5345B-B04151-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03794-GM	Si5341B-B03794-GM	Si5345B-A04202-GM	Si5345B-B04202-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03805-GM	Si5341B-B03805-GM	Si5345C-A03376-GM	Si5345C-B03376-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03820-GM	Si5341B-B03820-GM	Si5345C-A03471-GM	Si5345C-B03471-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03824-GM	Si5341B-B03824-GM	Si5345D-A00001-GM	Si5345D-B00001-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03835-GM	Si5341B-B03835-GM	Si5345D-A00002-GM	Si5345D-B00002-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03842-GM	Si5341B-B03842-GM	Si5345D-A00004-GM	Si5345D-B00004-GM	Yes, see <a href="#">Note2</a> above





# Revision Change Notice #1503273

Si5341B-A03922-GM	Si5341B-B03922-GM	Si5345D-A00005-GM	Si5345D-B00005-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03943-GM	Si5341B-B03943-GM	Si5345D-A00006-GM	Si5345D-B00006-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03953-GM	Si5341B-B03953-GM	Si5345D-A00009-GM	Si5345D-B00009-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03959-GM	Si5341B-B03959-GM	Si5345D-A00013-GM	Si5345D-B00013-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03966-GM	Si5341B-B03966-GM	Si5345D-A00014-GM	Si5345D-B00014-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03968-GM	Si5341B-B03968-GM	Si5345D-A00015-GM	Si5345D-B00015-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03990-GM	Si5341B-B03990-GM	Si5345D-A00016-GM	Si5345D-B00016-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03991-GM	Si5341B-B03991-GM	Si5345D-A03063-GM	Si5345D-B03063-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A03999-GM	Si5341B-B03999-GM	Si5345D-A03064-GM	Si5345D-B03064-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04019-GM	Si5341B-B04019-GM	Si5345D-A03070-GM	Si5345D-B03070-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04020-GM	Si5341B-B04020-GM	Si5345D-A03116-GM	Si5345D-B03116-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04025-GM	Si5341B-B04025-GM	Si5345D-A03377-GM	Si5345D-B03377-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04031-GM	Si5341B-B04031-GM	Si5345D-A03663-GM	Si5345D-B03663-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04037-GM	Si5341B-B04037-GM	Si5345D-A03685-GM	Si5345D-B03685-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04038-GM	Si5341B-B04038-GM	Si5345D-A03696-GM	Si5345D-B03696-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04039-GM	Si5341B-B04039-GM	Si5345D-A03700-GM	Si5345D-B03700-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04042-GM	Si5341B-B04042-GM	Si5345D-A03708-GM	Si5345D-B03708-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04048-GM	Si5341B-B04048-GM	Si5345D-A03715-GM	Si5345D-B03715-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04054-GM	Si5341B-B04054-GM	Si5345D-A03729-GM	Si5345D-B03729-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04061-GM	Si5341B-B04061-GM	Si5345D-A03741-GM	Si5345D-B03741-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04143-GM	Si5341B-B04143-GM	Si5345D-A03776-GM	Si5345D-B03776-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04157-GM	Si5341B-B04157-GM	Si5345D-A03777-GM	Si5345D-B03777-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04187-GM	Si5341B-B04187-GM	Si5345D-A03778-GM	Si5345D-B03778-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04188-GM	Si5341B-B04188-GM	Si5345D-A03780-GM	Si5345D-B03780-GM	Yes, see <a href="#">Note2</a> above
Si5341B-A04196-GM	Si5341B-B04196-GM	Si5345D-A03790-GM	Si5345D-B03790-GM	Yes, see <a href="#">Note2</a> above
Si5341D-A03268-GM	Si5341D-B03268-GM	Si5345D-A03791-GM	Si5345D-B03791-GM	Yes, see <a href="#">Note2</a> above
Si5341D-A03420-GM	Si5341D-B03420-GM	Si5345D-A03856-GM	Si5345D-B03856-GM	Yes, see <a href="#">Note2</a> above
Si5341D-A03510-GM	Si5341D-B03510-GM	Si5345D-A03903-GM	Si5345D-B03903-GM	Yes, see <a href="#">Note2</a> above
Si5341D-A03740-GM	Si5341D-B03740-GM	Si5345D-A03927-GM	Si5345D-B03927-GM	Yes, see <a href="#">Note2</a> above
Si5341D-A03804-GM	Si5341D-B03804-GM	Si5345D-A03956-GM	Si5345D-B03956-GM	Yes, see <a href="#">Note2</a> above
Si5342A-A03288-GM	Si5342A-B03288-GM	Si5345D-A03980-GM	Si5345D-B03980-GM	Yes, see <a href="#">Note2</a> above
Si5342A-A03289-GM	Si5342A-B03289-GM	Si5345D-A03996-GM	Si5345D-B03996-GM	Yes, see <a href="#">Note2</a> above
Si5342A-A03366-GM	Si5342A-B03366-GM	Si5345D-A04049-GM	Si5345D-B04049-GM	Yes, see <a href="#">Note2</a> above
Si5342A-A03868-GM	Si5342A-B03868-GM	Si5345D-A04072-GM	Si5345D-B04072-GM	Yes, see <a href="#">Note2</a> above
Si5342A-A04155-GM	Si5342A-B04155-GM	Si5345D-A04106-GM	Si5345D-B04106-GM	Yes, see <a href="#">Note2</a> above
Si5342B-A02950-GM	Si5342B-B02950-GM	Si5345D-A04115-GM	Si5345D-B04115-GM	Yes, see <a href="#">Note2</a> above
Si5342B-A03367-GM	Si5342B-B03367-GM	Si5345D-A04117-GM	Si5345D-B04117-GM	Yes, see <a href="#">Note2</a> above
Si5342B-A03497-GM	Si5342B-B03497-GM	Si5345D-A04125-GM	Si5345D-B04125-GM	Yes, see <a href="#">Note2</a> above
Si5342C-A03368-GM	Si5342C-B03368-GM	Si5345D-A04128-GM	Si5345D-B04128-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A02949-GM	Si5342D-B02949-GM	Si5345D-A04148-GM	Si5345D-B04148-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A02969-GM	Si5342D-B02969-GM	Si5345D-A04169-GM	Si5345D-B04169-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A03059-GM	Si5342D-B03059-GM	Si5345D-A04170-GM	Si5345D-B04170-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A03062-GM	Si5342D-B03062-GM	Si5345D-A04204-GM	Si5345D-B04204-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A03069-GM	Si5342D-B03069-GM	Si5346A-A02933-GM	Si5346A-B02933-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A03329-GM	Si5342D-B03329-GM	Si5346A-A03043-GM	Si5346A-B03043-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A03369-GM	Si5342D-B03369-GM	Si5346A-A03082-GM	Si5346A-B03082-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A03452-GM	Si5342D-B03452-GM	Si5346A-A03097-GM	Si5346A-B03097-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A03730-GM	Si5342D-B03730-GM	Si5346A-A03115-GM	Si5346A-B03115-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A03742-GM	Si5342D-B03742-GM	Si5346A-A03246-GM	Si5346A-B03246-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A03764-GM	Si5342D-B03764-GM	Si5346A-A03548-GM	Si5346A-B03548-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A03775-GM	Si5342D-B03775-GM	Si5346B-A03083-GM	Si5346B-B03083-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A03814-GM	Si5342D-B03814-GM	Si5346B-A03114-GM	Si5346B-B03114-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A04021-GM	Si5342D-B04021-GM	Si5346B-A03208-GM	Si5346B-B03208-GM	Yes, see <a href="#">Note2</a> above



## Revision Change Notice #1503273

Si5342D-A04022-GM	Si5342D-B04022-GM	Si5346B-A03260-GM	Si5346B-B03260-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A04053-GM	Si5342D-B04053-GM	Si5346B-A03267-GM	Si5346B-B03267-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A04089-GM	Si5342D-B04089-GM	Si5346B-A03549-GM	Si5346B-B03549-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A04119-GM	Si5342D-B04119-GM	Si5346B-A03830-GM	Si5346B-B03830-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A04144-GM	Si5342D-B04144-GM	Si5347A-A02978-GM	Si5347A-B02978-GM	Yes, see <a href="#">Note2</a> above
Si5342D-A04156-GM	Si5342D-B04156-GM	Si5347A-A03017-GM	Si5347A-B03017-GM	Yes, see <a href="#">Note2</a> above
Si5344A-A03037-GM	Si5344A-B03037-GM	Si5347A-A03294-GM	Si5347A-B03294-GM	Yes, see <a href="#">Note2</a> above
Si5344A-A03248-GM	Si5344A-B03248-GM	Si5347A-A03295-GM	Si5347A-B03295-GM	Yes, see <a href="#">Note2</a> above
Si5344A-A03290-GM	Si5344A-B03290-GM	Si5347A-A03546-GM	Si5347A-B03546-GM	Yes, see <a href="#">Note2</a> above
Si5344A-A03291-GM	Si5344A-B03291-GM	Si5347A-A03638-GM	Si5347A-B03638-GM	Yes, see <a href="#">Note2</a> above
Si5344A-A03325-GM	Si5344A-B03325-GM	Si5347A-A03693-GM	Si5347A-B03693-GM	Yes, see <a href="#">Note2</a> above
Si5344A-A03539-GM	Si5344A-B03539-GM	Si5347A-A03717-GM	Si5347A-B03717-GM	Yes, see <a href="#">Note2</a> above
Si5344A-A03540-GM	Si5344A-B03540-GM	Si5347B-A02977-GM	Si5347B-B02977-GM	Yes, see <a href="#">Note2</a> above
Si5344A-A03541-GM	Si5344A-B03541-GM	Si5347B-A03033-GM	Si5347B-B03033-GM	Yes, see <a href="#">Note2</a> above
Si5344A-A04126-GM	Si5344A-B04126-GM	Si5347B-A03098-GM	Si5347B-B03098-GM	Yes, see <a href="#">Note2</a> above
Si5344B-A02922-GM	Si5344B-B02922-GM	Si5347B-A03547-GM	Si5347B-B03547-GM	Yes, see <a href="#">Note2</a> above
Si5344B-A02952-GM	Si5344B-B02952-GM	Si5347B-A03716-GM	Si5347B-B03716-GM	Yes, see <a href="#">Note2</a> above

**Appendix B**

**Si5340/Si5341 Qualification Report**



W7101F1 Product Qualification Plan and Report Rev. E

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Part Rev A, TSMC Fabrication, SPIL Assembly except as noted							
Test Name	Test Condition	Qualification	Lot ID or Start	Fail/Pass or End	Notes	Summary	Status
<b>Test Group A - Accelerated Environment Stress Tests</b>							
HAST	JA110 130°C, 85%RH Vcc=3.465V, 1,000 hours	3 lots, N=>25	Q35780 Qxxxxx Qxxxxx	0/27 f/p f/p	1 1 1	1 lots 0/27	Pass
Temp Cycle	JA104 Cond C: -65°C to 150°C 500 cycles	3 lots, N=>25	Q35749 Qxxxxx Qxxxxx	0/27 f/p f/p	1 1 1	1 lots 0/27	Pass
HTSL	JA103 150°C, 1000hr	3 lots, N=>25	Q35640 Qxxxxx Qxxxxx	0/27 f/p f/p	1 1 1	1 lots 0/27	Pass
<b>Test Group B - Accelerated Lifetime Simulation Tests</b>							
HTOL	JA108 125°C, Dynamic Vcc=3.465V, 1000 hours	3 lots, N=>77	Q35606 Qxxxxx Qxxxxx	0/85 f/p f/p		1 lots 0/85	Pass
LTOL	JA108 -10°C, Dynamic Vcc=3.465V, 1000 hours	1 lot, N=>32	35769	0/34		1 lots	Pass
ELFR	JA108 125°C, Dynamic Vcc=3.465V, 48 hours	3 lots, N=>500	Q37086 Qxxxxx Qxxxxx	0/504 f/p f/p		1 lots 0/504	Pass
<b>Test Group E - Electrical Verification</b>							
ESD-HBM	JA114	1 lot, N=>3	Q35610				3 kV
ESD-MM	JA115	1 lot, N=>3	Q35715				200 V
ESD-CDM	JC101	1 lot, N=>3	Q35680				1000 V
Latch Up	JESD78 ±200mA Overvoltage = 5.1975V	1 lot, N=>6	Q35767 Q35673	85 C 25 C			Pass

Notes:

- Parts are Pre-conditioned at MSL2/260°C

**Si5340/Si5341 Qualification Report**



**W7101F1 Product Qualification Plan and Report Rev. E**

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Part Rev A, TSMC Fabrication, SPIL Assembly except as noted							
Test Name	Test Condition	Qualification	Lot ID or Start	Fail/Pass or End	Notes	Summary	Status

This report applies to the following part numbers:				
Si5341A-B-GM	Si5341B-B-GM	Si5341C-B-GM	Si5341D-B-GM	Si5340A-B-GM
Si5340B-B-GM	Si5340C-B-GM	Si5340D-B-GM		

**Si5342/Si5344/Si5345 Qualification Report**



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Part Rev A, TSMC Fabrication, SPIL Assembly except as noted							
Test Name	Test Condition	Qualification	Lot ID or Start	Fail/Pass or End	Notes	Summary	Status
<b>Test Group A - Accelerated Environment Stress Tests</b>							
HAST	JA110 130°C, 85%RH Vcc=3.465V, 1,000 hours	3 lots, N=>25	Q35780 Qxxxxx Qxxxxx	0/27 f/p f/p	1 1 1	1 lots 0/27	Pass
Temp Cycle	JA104 Cond C: -65°C to 150°C 500 cycles	3 lots, N=>25	Q35749 Qxxxxx Qxxxxx	0/27 f/p f/p	1 1 1	1 lots 0/27	Pass
HTSL	JA103 150°C, 1000hr	3 lots, N=>25	Q35640 Qxxxxx Qxxxxx	0/27 f/p f/p	1 1 1	1 lots 0/27	Pass
<b>Test Group B - Accelerated Lifetime Simulation Tests</b>							
HTOL	JA108 125°C, Dynamic Vcc=3.465V, 1000 hours	3 lots, N=>77	Q35606 Qxxxxx Qxxxxx	0/85 f/p f/p		1 lots 0/85	Pass
LTOL	JA108 -10°C, Dynamic Vcc=3.465V, 1000 hours	1 lot, N=>32	35769	0/34		1 lots	Pass
ELFR	JA108 125°C, Dynamic Vcc=3.465V, 48 hours	3 lots, N=>500	Q37086 Qxxxxx Qxxxxx	0/504 f/p f/p		1 lots 0/504	Pass
<b>Test Group E - Electrical Verification</b>							
ESD-HBM	JA114	1 lot, N=>3	Q35610				3 kV
ESD-MM	JA115	1 lot, N=>3	Q35715				200 V
ESD-CDM	JC101	1 lot, N=>3	Q35680				1000 V
Latch Up	JESD78 ±200mA Overvoltage = 5.1975V	1 lot, N=>6	Q35767 Q35673	85 C 25 C			Pass

Notes:

1. Parts are Pre-conditioned at MSL2/260°C

**Si5342/Si5344/Si5345 Qualification Report**



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Part Rev A, TSMC Fabrication, SPIL Assembly except as noted							
Test Name	Test Condition	Qualification	Lot ID or Start	Fail/Pass or End	Notes	Summary	Status

This report applies to the following part numbers:				
Si5342A-B-GM	Si5342B-B-GM	Si5342C-B-GM	Si5342D-B-GM	Si5344A-B-GM
Si5344B-B-GM	Si5344C-B-GM	Si5344D-B-GM	Si5345A-B-GM	Si5345B-B-GM
Si5345C-B-GM	Si5345D-B-GM			

**Si5346/Si5347 Qualification Report**




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Part Rev A, TSMC Fabrication, SPIL Assembly except as noted							
Test Name	Test Condition	Qualification	Lot ID or Start	Fail/Pass or End	Notes	Summary	Status
<b>Test Group A - Accelerated Environment Stress Tests</b>							
HAST	JA110 130°C, 85%RH Vcc=3.465V, 1,000 hours	3 lots, N=>25	Q35780 Qxxxxx Qxxxxx	0/27 f/p f/p	1 1 1	1 lots 0/27	Pass
Temp Cycle	JA104 Cond C: -65°C to 150°C 500 cycles	3 lots, N=>25	Q35749 Qxxxxx Qxxxxx	0/27 f/p f/p	1 1 1	1 lots 0/27	Pass
HTSL	JA103 150°C, 1000hr	3 lots, N=>25	Q35640 Qxxxxx Qxxxxx	0/27 f/p f/p	1 1 1	1 lots 0/27	Pass
<b>Test Group B - Accelerated Lifetime Simulation Tests</b>							
HTOL	JA108 125°C, Dynamic Vcc=3.465V, 1000 hours	3 lots, N=>77	Q35606 Qxxxxx Qxxxxx	0/85 f/p f/p		1 lots 0/85	Pass
LTOL	JA108 -10°C, Dynamic Vcc=3.465V, 1000 hours	1 lot, N=>32	35769	0/34		1 lots	Pass
ELFR	JA108 125°C, Dynamic Vcc=3.465V, 48 hours	3 lots, N=>500	Q37086 Qxxxxx Qxxxxx	0/504 f/p f/p		1 lots 0/504	Pass
<b>Test Group E - Electrical Verification</b>							
ESD-HBM	JA114	1 lot, N=>3	Q35610				3 kV
ESD-MM	JA115	1 lot, N=>3	Q35715				200 V
ESD-CDM	JC101	1 lot, N=>3	Q35680				1000 V
Latch Up	JESD78 ±200mA Overvoltage = 5.1975V	1 lot, N=>6	Q35767 Q35673	85 C 25 C			Pass

Notes:

**Si5346/Si5347 Qualification Report**

 **W7101F1 Product Qualification Plan and Report Rev. E**

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**Part Rev A, TSMC Fabrication, SPIL Assembly except as noted**

Test Name	Test Condition	Qualification	Lot ID or Start	Fail/Pass or End	Notes	Summary	Status
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1. Parts are Pre-conditioned at MSL2/260°C

This report applies to the following part numbers:			
Si5346A-B-GM	Si5346B-B-GM	Si5347A-B-GM	Si5347B-B-GM