



Bulletin #1511301

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Bulletin Date: 11/30/2015		Bulletin Effective Date: 11/30/2015	
Title: PCIe Clock Generator and Buffer Data Sheet Update to include PCIe Gen 3 SRNS and PCIe Gen 4			
Originator: Linda Lua		Phone: +1-408-702-1322	Dept: Marketing
Customer Contact: Kathy Haggar		Phone: +1 512-532-5261	Dept: Sales
Bulletin Details			
<p>Description: The new parameters listed below will be added to the AC Electrical Specification table in the PCIe clock generator and buffer data sheets. Please find affected part numbers in the Product Identification section.</p> <p>Clock Generators:</p> <ol style="list-style-type: none"> 1. PCI Express Gen 3 Separate Reference No Spread, SRNS - RMS Phase Jitter 2. PCI Express Gen 4 Common Clock - RMS Phase Jitter <p>Clock Buffers:</p> <ol style="list-style-type: none"> 1. PCI Express Gen 3 Separate Reference No Spread, SRNS - RMS Phase Jitter, PLL Mode 2. PCI Express Gen 4 Common Clock - RMS Phase Jitter, PLL Mode 3. PCI Express Gen 4 - Additive Phase Jitter, Bypass Mode <p>The typical phase jitter specification for Gen2 in PLL mode was updated in the Si53019-A02AGM datasheet, the previous revision had a typo.</p> <p>The maximum specification for SMBUS operating frequency was changed to 100kHz in the Si53019-A01AGM datasheet.</p>			
<p>Reason: Silicon Labs is issuing this notification to inform customers that the affected part numbers support PCIe Gen 3 SRNS and PCIe Gen 4 specifications.</p>			
<p>Product Identification:</p> <ul style="list-style-type: none"> Si5338x-B-GM Si5338x-B-GMR Si5338x-Bxxxxx-GM Si5338x-Bxxxxx-GMR Si5335x-Bxxxxx-GM Si5335x-Bxxxxx-GMR Si52111-B5-GM Si52111-B5-GMR Si52111-B5-GT Si52111-B5-GTR Si52111-B6-GM Si52111-B6-GMR Si52111-B6-GT 			



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Si52111-B6-GTR
Si52112-B5-GM
Si52112-B5-GMR
Si52112-B5-GT
Si52112-B5-GTR
Si52112-B6-GM
Si52112-B6-GMR
Si52112-B6-GT
Si52112-B6-GTR
Si52142-A01AGM
Si52142-A01AGMR
Si52143-A01AGM
Si52143-A01AGMR
Si52144-A01AGM
Si52144-A01AGMR
Si52146-A01AGM
Si52146-A01AGMR
Si52147-A01AGM
Si52147-A01AGMR
Si53102-A1-GM
Si53102-A1-GMR
Si53102-A2-GM
Si53102-A2-GMR
Si53102-A3-GM
Si53102-A3-GMR
Si53152-A01AGM
Si53152-A01AGMR
Si53154-A01AGM
Si53154-A01AGMR
Si53156-A01AGM
Si53156-A01AGMR
Si53159-A01AGM
Si53159-A01AGMR
Si53115-A01AGM
Si53115-A01AGMR
Si53112-A00AGM
Si53112-A00AGMR
Si53108-A01AGM
Si53108-A01AGMR
Si53106-A01AGM
Si53106-A01AGMR
Si53019-A01AGM
Si53019-A01AGMR
Si53019-A02AGM
Si53019-A02AGMR

This change is considered a minor change which does not affect form, fit, function, quality, or reliability. The information is being provided as a customer courtesy.

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Customer Actions Needed:
No actions needed.