



Process Change Notice #1105171

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PCN Date: 17May2011		Effective Date: 23Nov2011	
Title: Si4704/05/06/30/31/34/35 to Revision D PCN; Revisions A, B, C End of Life / Last Time Buy			
Originator: Vivek Sarda		Phone: +15124281561	Dept: Marketing
Customer Contact: Kathy Haggar		Phone: (512) 532 5261	Dept: Sales
PCN Type: <input type="checkbox"/> Assembly <input checked="" type="checkbox"/> Discontinuance <input type="checkbox"/> Package <input type="checkbox"/> Test <input type="checkbox"/> Datasheet <input type="checkbox"/> Fabrication <input checked="" type="checkbox"/> Product Revision <input type="checkbox"/> Packing <input type="checkbox"/> Labeling <input type="checkbox"/> Location <input type="checkbox"/> Other			
Last Order Date: 23Nov2011			
PCN Details			
<p>Description of Change: Silicon Labs is pleased to announce the Revision D for the Si4704/05/06/30/31/34/35 as a replacement for Revisions Si4704/05/06/30/31/34/35-AXX, Bxx and Cxx.</p> <p>The Revision D devices offer an increase in performance over previous product revisions including additional features such as multipath mitigation, hi-cut filtering and improved RDS performance. The Revision D devices also remedy several known errata in previous product revisions.</p> <p>The Revision "Si47xx-D50" is suitable for low-power portable applications and RDS data driven applications.</p> <p>The Revision "Si47xx-D60" is suitable for general consumer electronics and provides EMI compliance for the EN55020 and FCC Part 15 standards.</p> <p>To replace the Revisions A, B, and C, the Revision D devices may require modifications to customer code and hardware layouts as specified in application notes AN332 and AN383, available from the Silicon Labs website or distribution partners. Prior product revisions listed below will be moved to end of life (EOL) with a last order by date of November 23, 2011, to standardize on a single part with improved performance. We urge our customers to move to this new product revision to take advantage of the simplified software and advanced features. All orders received by the last order by date will constitute a Last Time Buy (LTB) for such products. All such LTB orders will be non-cancellable and non-returnable.</p>			
<p>Reason for Change: Replaced with new product revision to enhance features and remedy errors in previous product revisions. See Replacement parts list below.</p>			
<p>Impact on Form, Fit, Function, Quality, and Reliability: There are no datasheet parameters impacted by the move to revision D; however, there may be hardware and software changes required for backwards compatibility. These changes are listed in the Appendix section of Application Notes AN332 and AN383. These changes do not affect any datasheet parameters on revision D but may restrict the full use of the advanced features of revision D. All patches in customer MCU code for revision A, B or C are not required or recognized with revision D.</p>			

Product Identification:

Silicon Labs recommends the following replacement products for minimal software and hardware changes. The data sheets and application notes for the recommended products are available on the Silicon Labs website or through Silicon Labs representatives.

Previous Product	Package	Replacement Product	Package
Si4704-B20-GM/R	3x3 20p QFN	Si4704-D60-GM/R (Consumer)	3x3 20p QFN
Si4704-B20-GM/R	3x3 20p QFN	Si4704-D50-GM/R (Portable)	3x3 20p QFN
Si4705-B20-GM/R	3x3 20p QFN	Si4705-D60-GM/R (Consumer)	3x3 20p QFN
Si4705-B20-GM/R	3x3 20p QFN	Si4705-D50-GM/R (Portable)	3x3 20p QFN
Si4706-B20-GM/R	3x3 20p QFN	Si4706-D50-GM/R	3x3 20p QFN
Si4706-B20-ZM1/R	3x3 20p QFN	Si4706-D50-GM/GMR	3x3 20p QFN
Si4706-B20-ZM2/R	3x3 20p QFN	Si4706-D50-GM/GMR	3x3 20p QFN
Si4706-B20-ZM4/R	3x3 20p QFN	Si4706-D50-GM/GMR	3x3 20p QFN
Si4706-C30-ZM5/R	3x3 20p QFN	Si4706-D50-GM/GMR	3x3 20p QFN
Si4706-B20-ZM5/R	3x3 20p QFN	Si4706-D50-GM/GMR	3x3 20p QFN
Si4730-A10-GM/R	3x3 20p QFN	Si4730-D60-GM/GMR	3x3 20p QFN
Si4730-B20-GM/R	3x3 20p QFN	Si4730-D60-GM/GMR	3x3 20p QFN
Si4730-C40-GM/R	3x3 20p QFN	Si4730-D60-GM/GMR	3x3 20p QFN
Si4730-C40-GU/R	150LF 24p SOP	Si4730-D60-GU/GUR	150LF 24p SOP
Si4731-A10-GM/R	3x3 20p QFN	Si4731-D60-GM/GMR	3x3 20p QFN
Si4731-B20-GM/R	3x3 20p QFN	Si4731-D60-GM/GMR	3x3 20p QFN
Si4731-C40-GM/R	3x3 20p QFN	Si4731-D60-GM/GMR	3x3 20p QFN
Si4731-C40-GU/R	150LF 24p SOP	Si4731-D60-GU/GUR	150LF 24p SOP
Si4734-B20-GM/R	3x3 20p QFN	Si4734-D60-GM/GMR	3x3 20p QFN
Si4734-C40-GM/R	3x3 20p QFN	Si4734-D60-GM/GMR	3x3 20p QFN
Si4734-C40-GU/R	150LF 24p SOP	Si4734-D60-GU/GUR	150LF 24p SOP
Si4735-B20-GM/R	3x3 20p QFN	Si4735-D60-GM/GMR	3x3 20p QFN
Si4735-C40-GM/R	3x3 20p QFN	Si4735-D60-GM/GMR	3x3 20p QFN
Si4735-C40-GU/R	150LF 24p SOP	Si4735-D60-GU/GUR	150LF 24p SOP

Last Date of Unchanged Product:

Last Time Buy (LTB) for Revisions Si4704/05/06/30/31/34/35-Axx, Bxx, and Cxx must be placed by 23 November 2011. Shipment of orders from Silicon Labs must be completed by 17 May 2012. All LTB orders for these products will be non-cancelable and non-returnable.

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.hagggar@silabs.com



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Qualification Data: N/A
