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| PCN Date: 24Apr09 | | Effective Date: 31Oct09 | |
| Title: Si4421-A1 Announcement, Si4421-A0 EOL | | | |
| Originator: Nick Dutton | | Phone: 650-623-9148 | Dept: Marketing |
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| 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: 31Oct09 for Si4421-A0-FDI, FT, ZT1 & ZT2 | | | |
| PCN Details | | | |
| Description of Change: Silicon Laboratories is pleased to announce revision A1 of the Si4421 EZRadio® Transceiver. <ul style="list-style-type: none"> ▪ The A1 revision is a pin compatible, drop-in replacement for the Si4421-A0 device, except as noted below. ▪ All applicable datasheets and application notes are available on the Silicon Labs' website or through your local Sales agent. Revision A1 devices are available in sample and production volumes. <p>Silicon Laboratories will be discontinuing the A0 revision in the Si4421 family, which includes the following ordering part numbers:</p> <ul style="list-style-type: none"> • Si4421-A0-FDI • Si4421-A0-FT • Si4421-A0-ZT1 • Si4421-A0-ZT2 <p>Last Order Date: Last-time buy orders for these part numbers must be placed by 31Oct09. Shipment of orders from Silicon Labs will be completed by 30Apr10. All orders are non-cancellable and non-returnable.</p> | | | |
| Reason for Change: Resolving the following issues: <ol style="list-style-type: none"> 1) Crystal Oscillator startup time in default mode <ul style="list-style-type: none"> ▪ Circuit modified to improve startup time New POR default value of PLL Setting Command = CC77h (bit 4 = '1') changing the control bit to 0 should be avoided. 2) Strong Ripple on V_{dd} during POR caused unpredictable reset behavior <ul style="list-style-type: none"> ▪ Improved power supply rejection implemented for the POR circuit | | | |
| Impact on Form, Fit, Function, Quality, Reliability: As listed in 'Reason for Change' | | | |



Process Change Notice #0904242

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| Product Identification: Si4421-A1-FT, Si4421-A1-FDI (New part numbers) Si4421-A0-FDI, Si4421-A0-FT, Si4421-A0-ZT1, Si4421-A0-ZT2 (End of Life part numbers) |
| Last Date of Unchanged Product: 31Oct09 |
| Qualification Samples: Available |