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PCN Date: 24Jan11		Effective Date: 24Jan11							
Title: C8051F5xx MCU Errata Release									
Originator: Ike Saeed		Phone: 512-464-9203	Dept: EMS Marketing						
Customer Contact: Kathy Haggar		Phone: 512-532-5261	Dept: Sales						
PCN Type: <input type="checkbox"/> Assembly <input type="checkbox"/> Discontinuance <input type="checkbox"/> Package <input type="checkbox"/> Test <input type="checkbox"/> Datasheet <input type="checkbox"/> Fabrication <input type="checkbox"/> Product Revision <input type="checkbox"/> Packing <input type="checkbox"/> Labeling <input type="checkbox"/> Location <input checked="" type="checkbox"/> Other									
Last Order Date: N/A									
PCN Details									
Description of Change: Silicon Laboratories, Inc. (Silicon Labs) has released C8051F5xx product series MCU errata regarding flash programming on industrial grade parts and a minor wakeup issue with a workaround.									
Reason for Change: Specification update.									
Impact on Form, Fit, Function, Quality, Reliability: There is no impact on part Form, Fit or Reliability. The part Function and Quality can be impacted if user workarounds for a suspend wakeup are not implemented. User programming for -I industrial grade parts is affected if the flash bits are programmed at less than 0 °C.									
Product Identification: See Appendix A for a list of affected ordering part numbers.									
Last Date of Unchanged Product: N/A									
Qualification Samples: N/A									
Qualification Data: N/A <div style="text-align: center;"> C8051F5xx Product Errata <table border="1" style="margin: 10px auto;"> <tr> <td>C8051F50x/51x Errata</td> <td>C8051F55x/56x/57x Errata</td> </tr> <tr> <td>C8051F52xA/53xA Errata</td> <td>C8051F58x/59x Errata</td> </tr> <tr> <td>C8051F54x Errata</td> <td></td> </tr> </table> </div>				C8051F50x/51x Errata	C8051F55x/56x/57x Errata	C8051F52xA/53xA Errata	C8051F58x/59x Errata	C8051F54x Errata	
C8051F50x/51x Errata	C8051F55x/56x/57x Errata								
C8051F52xA/53xA Errata	C8051F58x/59x Errata								
C8051F54x Errata									
The Errata is available at www.silabs.com on the MCU Automotive page by part number. You may also contact your local Silicon Laboratories sales representative to request the Errata. A list of those representatives is available at www.silabs.com .									

Appendix A: Affected Part Numbers

Affected Ordering Part Numbers				
C8051F500-AQ	C8051F521-IM	C8051F534A-IT	C8051F553-IM	C8051F573-IM
C8051F500-IM	C8051F523A-AM	C8051F534-IM	C8051F554-IM	C8051F574-IM
C8051F500-IQ	C8051F523A-IM	C8051F534-IT	C8051F555-IM	C8051F575-IM
C8051F501-AQ	C8051F523-IM	C8051F536A-AM	C8051F556-IM	C8051F580-AQ
C8051F501-GQ	C8051F524A-AM	C8051F536A-AT	C8051F557-IM	C8051F580-IM
C8051F501-IM	C8051F524A-IM	C8051F536A-IM	C8051F560-AQ	C8051F580-IQ
C8051F501-IQ	C8051F524-IM	C8051F536A-IT	C8051F560-IM	C8051F581-AQ
C8051F502-AQ	C8051F526A-AM	C8051F536-IM	C8051F560-IQ	C8051F581-IM
C8051F502-IM	C8051F526A-IM	C8051F536-IT	C8051F561-AQ	C8051F581-IQ
C8051F502-IQ	C8051F526-IM	C8051F537A-AM	C8051F561-IM	C8051F582-AQ
C8051F503-AQ	C8051F527A-AM	C8051F537A-AT	C8051F561-IQ	C8051F582-IM
C8051F503-IM	C8051F527A-IM	C8051F537A-IM	C8051F562-AQ	C8051F582-IQ
C8051F503-IQ	C8051F527-IM	C8051F537A-IT	C8051F562-IM	C8051F583-AQ
C8051F504-AQ	C8051F530A-AM	C8051F537-IM	C8051F562-IQ	C8051F583-IM
C8051F504-IM	C8051F530A-AT	C8051F537-IT	C8051F563-AQ	C8051F583-IQ
C8051F504-IQ	C8051F530A-IM	C8051F540-AQ	C8051F563-IM	C8051F584-AQ
C8051F505-AQ	C8051F530A-IT	C8051F540-IM	C8051F563-IQ	C8051F584-IM
C8051F505-IM	C8051F530-IM	C8051F540-IQ	C8051F564-AQ	C8051F584-IQ
C8051F505-IQ	C8051F530-IT	C8051F541-AQ	C8051F564-IM	C8051F585-AQ
C8051F506-AQ	C8051F531A-AM	C8051F541-IM	C8051F564-IQ	C8051F585-GQ
C8051F506-IM	C8051F531A-AT	C8051F541-IQ	C8051F565-AQ	C8051F585-IM
C8051F506-IQ	C8051F531A-IM	C8051F542-IM	C8051F565-IM	C8051F585-IQ
C8051F507-AQ	C8051F531A-IT	C8051F543-IM	C8051F565-IQ	C8051F586-AQ
C8051F507-IM	C8051F531-IM	C8051F544-AQ	C8051F566-AQ	C8051F586-IM
C8051F507-IQ	C8051F531-IT	C8051F544-IM	C8051F566-IM	C8051F586-IQ
C8051F508-IM	C8051F533A-AM	C8051F544-IQ	C8051F566-IQ	C8051F587-AQ
C8051F509-IM	C8051F533A-AT	C8051F545-AQ	C8051F567-AQ	C8051F587-IM
C8051F510-IM	C8051F533A-IM	C8051F545-IM	C8051F567-IM	C8051F587-IQ
C8051F511-IM	C8051F533A-IT	C8051F545-IQ	C8051F567-IQ	C8051F588-IM
C8051F520A-AM	C8051F533-IM	C8051F546-IM	C8051F568-IM	C8051F589-IM
C8051F520A-IM	C8051F533-IT	C8051F547-IM	C8051F569-IM	C8051F590-IM
C8051F520-IM	C8051F534A-AM	C8051F550-IM	C8051F570-IM	C8051F591-IM
C8051F521A-AM	C8051F534A-AT	C8051F551-IM	C8051F571-IM	
C8051F521A-IM	C8051F534A-IM	C8051F552-IM	C8051F572-IM	

Note: Affected Part Numbers also include any additional custom parts made from the above listed base parts and tape and reel equivalents ("R" suffix).