

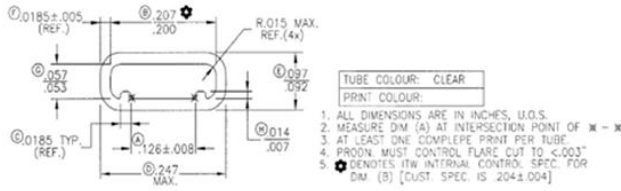
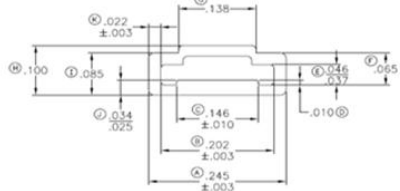


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PCN Date: 10/3/2012		Effective Date: 1/9/2013
Title: New 10 MSOP tube from ITW		
Originator: Gregory Chee	Phone: :+65.65117730	Dept: Supplier Management
Customer Contact: Kathy Haggar	Phone: 1.512.532.5261	Dept: Inside Sales
PCN Type: <input type="checkbox"/> Datasheet <input type="checkbox"/> Foundry <input checked="" type="checkbox"/> Packing <input type="checkbox"/> Product Revision <input type="checkbox"/> Assembly <input type="checkbox"/> Labeling <input type="checkbox"/> Discontinuance <input type="checkbox"/> Test <input type="checkbox"/> Other		
Last Order Date: Not Applicable		
PCN Details		
Description of Change: <p>Silicon Laboratories, Inc (Silicon Labs) is pleased to announce the successful qualification of a new 10 MSOP tube from ITW. ITW is also the qualified supplier of the current 10 MSOP tube.</p> <p>The new 10 MSOP tube reduces the risk of bent leads due to jamming in the production process.</p> <p>Following the effective date of this PCN, Silicon Labs will use only the new ITW 10 MSOP tube for shipment.</p> <p>Below is a picture of the current tube with unit movement in the tube which can potentially cause bent leads and jamming at unloader/loader.</p>		
<div style="display: flex; justify-content: space-around;">   </div>		
Tube Drawing Comparison		
Current drawing of MSOP tube (BEFORE)		New drawing of MSOP tube (AFTER)
 <p>TUBE COLOUR: CLEAR PRINT COLOUR:</p> <p>1. ALL DIMENSIONS ARE IN INCHES, U.O.S. 2. MEASURE DIM (A) AT INTERSECTION POINT OF --- 3. AT LEAST ONE COMPLETE PRINT PER TUBE 4. PRODN. MUST CONTROL FLARE CUT TO <.003" 5. * DENOTES ITW INTERNAL CONTROL. SPEC. FOR DIM (B) [DUST SPEC. IS .204±.004]</p>		 <p>TUBE COLOUR: CLEAR PRINT COLOUR: INK-1276-VN 2935 BLUE</p> <p>1. ALL DIMENSIONS ARE IN INCHES, U.O.S. 2. ALL TUBE TOLERANCES TO BE ±.005, U.O.S.</p>

Reason for Change:

Jamming reduction and quality improvement.

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

The materials are RoHS-compliant and have equivalent ESD and safety (MSDS) properties as the existing tube materials.

Product Identification:

SI4010-C2-AT
SI4010-C2-GT
SI4010-C2-ZT1
SI4011-C2-GT
SI4012-C1001GT
SI4012-C2001GT

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

Last Date of Unchanged Product: 1/9/2013

Qualification Samples:

Samples are available upon request. Please contact your local Silicon Laboratories sales representative to order samples. A list of Silicon Laboratories sales representatives may be found at www.silabs.com

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

Qualification Data:

The qualification tests were conducted. Summary results are as follows:

Test item	Pass/Fail Criteria	Results
Fit Analysis	The unit will fit properly in the tube without interference.	Pass
Incoming Inspection	Physical appearance, dimensions, and surface resistivity are within specifications.	Pass
Line Functional Test	Pre and Post assay / Test tube transfer test, Vacuum packing and drop test performed.	Pass

Physical Tube Comparison

Item	Current design	New Design
Material	PVC	PVC
Photo		

ESD Value Comparison

Before Mean Value 2.6×10^9 ohm/sqr

After Mean Value 3.1×10^9 ohm/sqr