

February 20, 2008

Automatic Component Handling Committee

Teleconference for Comment Resolution Task Force for SP-5173 Ballot

10:00-10:50 AM EST

Document: EIA-481-D DRAFT

Attendees:

ACH Chairman: Scott Carter – Tek Pak

EIA representative: Ralph Justus – VP EIA Standards

Editing Committee Chairman: Gonzalo Herrera – Jabil Circuit, Inc.

Editing Committee Team Members:

Mike Balbuena - Goodrich

Ted Eckerson Jr. – Jabil Circuit, Inc.

Albert Escusa – Texas Instruments

Miguel A. Ojeda Sr. – Jabil Circuit, Inc.

Doug Romm – Texas Instruments

Bill Aldeen – Nu-Way Electronics

Meeting Notes (Ballot comments in blue):

1. On CONTENTS page, page numbers do not all agree with document.
 - Content will be verified prior to sending to ECA and before releasing by ECA.
2. Figure 2, LLC product: one of my colleagues believes that the mark on an LLC is on the center of one side, not the corner.
 - LLC was not recognized to be the actual package. It was verified that it is actually LCC.
 - Clarified that PLCC is a J-Leaded and LCC has flat pads underneath the package body.
 - Both PLCC and LCC devices have Pin 1 at the center of one side.
 - LCC pictorial needs to be edited highlighting Q1 and Q2, as well as moving the polarity dot to the middle of the side facing the sprocket holes.
 - Team consensus agreed on being this a graphical error.
3. Figure 3 drawings would be clearer if rotated 90 degrees to match those in Fig. 2.
 - Team agreed to rotate 90 degrees clockwise the pictures from Figure 3.
4. Fig. 12 is very blurry.
 - Scott Carter will search for original electronic graphic used for Figure 12 and will work with Gonzalo to replace it in the draft document.
5. I strongly agree with the addition of the "Acknowledgements" page. Are the correct authors listed?
 - Team agreed to publish the Acknowledgements page with the list of the ACH members, alphabetized.
 - Acknowledgements page will have two sections separating the ACH members and the contributors to the change for EIA-481 Rev D.
 - Ralph Justus will send list of names to Scott Carter for review.
6. On NOTICE page, it reads "Printed in USA".
 - Ralph Justus will edit document before publishing.
7. On CONTENTS page, "Acknowledgement" should be plural.
 - Gonzalo Herrera will update before sending to ECA.
8. Please try to make the printed result more clear than EIA-481-C, which is blurry throughout. A good example is EIA/ECA-704-A, which is printed and illustrated very well.
 - Ralph Justus will review before releasing to IHS.
9. Change From: SOT-89, Pin 1 in Q4 To: SOT-89, Pin 1 in Q3
 - Rationale for Technical Change: The SOT-89 is listed as Pin 1 in Q4 in the proposed standard, but it is actually packed with Pin 1 in Q3

- *Texas Instruments argued that orientation of SOT-89 with Pin 1 in Quadrant 3 should be the standard orientation because a large number of suppliers are using this orientation, including TI.*
- *Jabil offered evidence that 7 suppliers were offering SOT-89 with Q4 orientation, while only 4 suppliers were offering SOT-89 with Q3 orientation.*
- *Scott Carter suggested that a cautionary note be added stating that orientation in Quadrant 4 may not necessarily be the orientation offered by all SOT-89 suppliers. However, Jabil disagreed with this, as the note would need to apply to all orientations noted in Figure 2.*
- *After considering the SOT-89 orientation data presented by Jabil, Texas Instruments agreed that the standard SOT-89 orientation should remain in Quadrant 4 as originally balloted in SP-5173*
- *At the conclusion of the discussion regarding the disapproving comment, the Comment Resolution Task Force unanimously agreed to keep the standard orientation for SOT-89 in Q4 as balloted for SP-5173 and that the change originally requested by TI, by their disapproving vote, would be respectfully declined.*
- *The decision by the Comment Resolution Task Force to decline TI's disapproving comment is to be communicated in writing (e-mail) to Doug Romm of TI by Scott Carter, ACH Chair. It will be requested that Mr. Romm acknowledge the decision by the Task Force in writing. The letter to Mr. Romm and his acknowledgement will be filed with Cecelia Yates and Ralph Justus of ECA.*

The goal of the Comment Resolution Task Force is to submit the editorial changes to ECA for the purpose of publication of EIA-481-D before the next full ACH committee meeting in Louisville, KY on April 3, 2008.

Note: The Comment Resolution Task Force for SP-5173 concluded that the comments resulting in changes to the balloted document were editorial in nature and by no means represented any substantive (technical) change to the balloted document. A recirculation ballot will not be necessary.