

Record of Line-item Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **Japan**

Global Technical Committee: **3D Packaging and Integration**

TC Chapter Cochairs: **Kazunori Kato/ AiT, Masahiro Tsuruya/ iNEMI, Haruo Shimamoto/ AIST**

Standards Staff: **Akiko Yoshida/ SEMI Japan**

| | Scheduled in Background Statement | Actual |
|--|-------------------------------------|-------------------------------------|
| Date | 06/05/2026 | 06/05/2026 |
| Location | SEMI Japan/ Virtual (Hybrid) | SEMI Japan/ Virtual (Hybrid) |
| Reason for Change of Date and/or Location (if changed) | | |

Note: Refer to *Regulations ¶ 9.5 Exceptions for allowable reason to change.*

Document Information

I. Document Number, Title, Lists of Line Items

| | |
|---|--|
| Document Number 7460 | Document Title Line Item Revision to SEMI G82-1115 (Reapproved 1220), SPECIFICATION FOR 300 mm LOAD PORT FOR FRAME CASSETTES IN BACKEND PROCESS |
| List of Line Items Line Item 1 | Line Item Title Modifications required for compliance with the Style Manual (all are under Line Item 1) |

Line Item 1 Adjudication

II. Tally

Standards staff to fill in.

Voting Tally: As-cast tally after close of voting period

Note: A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (Regulations ¶ 9.6.2.1.1)

| Voting Interest: | Returned Votes | | Distribution | | Return Rate | |
|---------------------------|----------------|---|--------------|---|---------------------------|------|
| Letter Ballot | 60 | ÷ | 100 | = | 60.00% | ≥60% |
| Intercommittee Ballot | 42 | | | | | |
| Voting Interest Reject(s) | 0 | | | | Total Voters with Rejects | 0 |
| Voting Interest Accept(s) | 68 | | | | | |

Note: Refer to Regulations § 3.2.1 for definition of Voting Interest.

III. Rejects

None

IV. Other Technical Issues

None identified

V. Comments

V- (i) Voters' Comments

None

V-(ii) Comments Created by Handling Negative

None

VI. Editorial Changes Other than Those Voted on in § V

None

VII. Approval Conditions Check

VII. - (i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change. (*Regulations ¶ 9.6.2.1.2*)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations ¶ 9.6.2.1.3*)

Note: If both approval conditions are not satisfied, the Document fails.

| | | Accepts | | (Accepts + Valid Rejects) | | | |
|---------------|---|---------|--|------------------------------|---|------|------|
| Approval Rate | = | 68 | | 68 | = | 100% | ≥90% |

VII. – (ii) Approval Level (check one)

Note: Refer to *Regulations § 9.6.2* for further information.

Globally Approved (No Ratification Ballot needed):

Line Item 1 meets the Letter Ballot approval conditions for the global technical committee.

Need a Ratification Ballot:

Line Item 1 meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

Checks for Entire Document Including All Approved Line Items

VIII. Safety Check

Note: This Safety check applies to the entire Standard or Safety Guideline including all the approved Line Items. Refer to § 15 of the Regulations for further information.

| | | |
|------------------------------------|---|--|
| Motion | X | This is not a Safety Document , when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations</i> ¶ 8.7.1) |
| | | This is a Safety Document , when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations</i> ¶ 8.7.2) |
| | | Safety Checklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (<i>Regulations</i> ¶ 15.1.2) |
| Motion by/2nd by | | Masahiro Tsuruya (iNEMI)/ Satoshi Odashima (Shin-Etsu Polymer) |
| Discussion | | None. |
| Vote | | Result: 14-Y 0-N Voting Result: Pass - 100.00% |

IX. Intellectual Property (IP) Check

Note: This Letter Ballot may cover all or part of a Standard or Safety Guideline. Regardless of the coverage, this IP check applies to the entire Standard or Safety Guideline including all the approved Line Items*. Refer to *Regulations* § 16 for further information.

| | | | | |
|---|---|--|--|---|
| X | The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (Refer to <i>Regulations</i> ¶ 16.3.1.1) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (refer to <i>Regulations</i> ¶ 16.4.1.2) in the Standard or Safety Guideline. (Also refer to, <i>Regulations</i> § 8.8) | | | |
| X | The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.) | GO TO SECTION X. | | |
| | The question is answered in affirmative | Is any of the known IPs a patented technology? | Yes, at least one of them is a patented technology | GO TO IX (a) "Patented Technology" subsection |
| | | | No | GO TO IX (b) "Copyright items" subsection |

IX(a) Patented Technologies subsection

IX(a1) Total numbers of Patented Technologies to be dealt with

| | | | | |
|------------------------------|---|------------------------------|--|---|
| # Fill number | (l) Known Patented Technology that might be relevant to the Standard/Safety Guideline | # Fill number | (m) Number of patented technologies first became known to the TC Chapter on or after the day of the issuance of this Letter Ballot | Postpone assessment of such patented technologies to be performed at the next scheduled TC Chapter meeting. |
| | | # | (n) Number of patented technologies first became known to | GO TO IX (a2) |

| | | | | |
|--|--|--------------------|---|--|
| | | Fill number | the TC Chapter before the day of the issuance of this Letter Ballot | |
|--|--|--------------------|---|--|

IX(a2) Assessment of disclosed patented technologies

| | | | | | |
|---|--|--|--|--|--|
| Disclosed patented technology #1 <i>(Brief description, e.g., patent title and number):</i> | | Date of Assessment (If different from the date of Letter Ballot adjudication) MM/DD/YYYY | | | |
| Is disclosed patented technology #1 found to be "might be material" to the Standard/Safety Guideline? | | YES (It is a PMPT) | Is the use of this PMPT technically justified? | | YES PROCEED to assess NEXT one, or if this is the last one, GO TO IX(a3) |
| | | NO | | | NO The Document is failed and returned to the TF |
| | | NO | No further action is needed for patented technology #1 | | |

This table is needed for each disclosed patented technology.

IX(a3) LOA status check of PMPT of which inclusion assessed to be justified

| | | | | | |
|--|----|--------------|--|--|--|
| LOA Status of PMPT #1 | | | | | |
| Has an LOA for this patented technology been received from every owner ? | | YES | PROCEED to check NEXT one, or if this is the last one, GO TO IX(b) | | |
| | | NO | MOTION | Ask ISC for special permission to publish. | The Document is failed and returned to the TF |
| | | | | Quit activity. | |
| | NO | Wait for LOA | PROCEED to check NEXT one, or if this is the last one, GO TO IX(b1) | | |
| | | | Motion by/ 2nd by | | Name (Company)/Name (Company) |
| | | | Discussion | | XXXX |
| | | | Vote | | XX Y-XX N; Motion passed (or failed) |

This table is needed for each PMPT of which inclusion assessed to be justified.

IX(b1) Total numbers of copyrighted items to be dealt with

| | | | | |
|--------------------------|--|--|---|----------------------|
| # Fill number | (o) Known copyrighted items that are used or reproduced to the Standard/Safety Guideline | | o > 0 There is at least one known copy righted items that might be relevant to the Standard/Safety Guideline | GO TO IX (b2) |
| | | | o = 0 There is no disclosed copyrighted item | GO TO IX (c) |

IX(b2) Assessment of disclosed copyrighted items

| | | | | | | |
|--|--|-----|---|----|--|---|
| Disclosed copyrighted item #1 <i>(Brief description of its use in the Document):</i> | | | | | | |
| Is disclosed copyrighted item #1 used or reproduced in the Standard/Safety Guideline? | | YES | Is the use/reproduction of this copyrighted item technically justified? | | YES | PROCEED to assess NEXT one, or if this is the last one, GO TO IX(b3) |
| | | | | NO | The Document is failed and returned to the TF | |
| | | NO | No further action is needed for copyrighted item #1 | | | |

This table is needed for each disclosed copyrighted item.

IX(b3) Copyright release status check of copyrighted item of which inclusion assessed to be justified

| | | | | | | | |
|---|--------|-------------------------------------|--|--|---|--|--|
| Copyright release Status of copyrighted item #1 | | | | | | | |
| Has the copyright release been received from its owner ?. | | YES | PROCEED to assess NEXT one, or if this is the last one, GO TO IX(c) | | | | |
| | MOTION | NO | | Ask ISC for special permission to publish. | | | |
| | | | | Quit activity. | The Document is failed and returned to the TF | | |
| | | | | Wait for copyright release letter | PROCEED to check NEXT one, or if this is the last one, GO TO IX(c) | | |
| | | Motion by/ 2nd by | Name (Company)/Name (Company) | | | | |
| | | Discussion | XXXX | | | | |
| | | Vote | XX Y-XX N; Motion passed (or failed) | | | | |

This table is needed for each copyrighted item of which use/reproduction assessed to be justified.

IX(c) Assessment of disclosed (identified) trademark

| | | | | | | |
|--|--|-----|---|----|--|--------------------|
| Is there any trademark in the Standard/Safety Guideline? | | YES | Is every instance of trademark use technically justified? | | YES | GO TO IX(d) |
| | | | | NO | The Document is failed and returned to the TF | |
| | | NO | GO TO IX(d) | | | |

IX(d) IP check completion condition check

| | | | |
|--|--|-----|--|
| The co-chair checks if any Patented Technologies first become known to the TC Chapter on or after the day of the issuance of this Letter Ballot? i.e., m>0 in IX(a1) | | YES | Sections IX(a2) and IX(a3) shall be completed and recorded for such patented technologies at next scheduled meeting of the TC Chapter. Until then, the TC Chapter shall NOT go to X (making motion to pass/fail this Document) (refer to Regulations ¶ 16.4.1.2) Until then this Letter Ballot Review is on hold. |
| | | NO | GO TO X |

X. Action for This Document

| | | |
|---|---|---|
| Motion (Check all applicable items) | <input checked="" type="checkbox"/> | Line item(s) 1 passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review. |
| | <input type="checkbox"/> | Line item(s) [X] , [X] and [X] passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review. |
| | <input type="checkbox"/> | Line item(s) [X] , [X] and [X] passed TC Chapter review with technical changes and with or without editorial changes and will be forwarded to the ISC A&R SC for procedural review. A Ratification Ballot will be issued to verify the technical changes. |
| | <input type="checkbox"/> | Line item(s) [X] , [X] and [X] failed TC Chapter review and will be returned to the TF for rework. |
| | <input type="checkbox"/> | Line item(s) [X] , [X] and [X] failed TC Chapter review and work will be discontinued. |
| Motion by/ 2nd by | Masahiro Tsuruya (iNEMI) / Satoshi Odashima (Shin-Etsu Polymer) | |
| Discussion | None. | |
| Vote | Result: 13-Y 0-N Voting Result: Pass - 100.00% | |
| Final Action | <input checked="" type="checkbox"/> | Motion passed |
| | <input type="checkbox"/> | Motion failed |

Note: If the use of PMPT or copyrighted item is justified by the TC Chapter, LOA or release form must be received before publication can proceed.