



Minutes of P-4 Committee on Mechanical Outlines of Passive Components

Wednesday, 18 May, 2005 Chateau Sonesta Hotel New Orleans, LA

Scope of the P-4 Committee on Mechanical Outlines of Passive Components –
Provide standardization, administration, and circulation of mechanical outline drawings of electronic parts formatted per PDP-100 provided by industry participants.

Attendees:

NAME		COMPANY
Terry	Charles	Panasonic
Ted	Coler	Vishay
Dan	Giblin	Cooper Bussmann
Bill	Gisseler	TDK
Michael	Griffith	KOA Speer Electronics
Mike	Lauri	IBM
Carl	Lindquist	SAN-O Industrial Corp.
Laird	Macomber	Cornell Dubilier
Len	Metzger	Panasonic
Ed	Mikoski	EIA/ECA
Stephen	Olster	Mini-Systems, Inc.
Jayson	Young	Kemet

- 1.0 Call to order
- 1.1 Chair Carl Lindquist called meeting to order 10:05AM
- 2.0 Introductions and Attendance
- 2.1 Membership and Attendance

The membership list was reviewed and adjusted to read as reflected in the following table

Member Organizations Present	<u>Present at this meeting</u>	<u>Present at previous meeting?</u>	<u>Present at meeting prior to previous?</u>
Cooper Bussmann	Y	Y	Y
Cornell Dubilier	Y	N	Y
IBM Corporation	Y	Y	N
Kemet	Y	Y	N
KOA Speer Electronics	Y	Y	Y
Mini-Systems, Inc.	Y	Y	Y
Panasonic	Y	Y	Y
SAN-O Industrial Corp.	Y	Y	Y
TDK	Y	Y	Y
Vishay	Y	Y	Y

Member Organizations Absent	<u>Present at this meeting</u>	<u>Present at previous meeting?</u>	<u>Present at meeting prior to previous?</u>
AEM	N	N	Y
DSCC*	N	N	N
Intel	N	N	Y
Murata	N	Y^	n/a
SEI*	N	N	N

- *Not used in calculation of quorum due to non-attendance
- ^ Indicates new committee member

Other Organizations Present
EIA/ECA

- 3.0 Attendance sheet circulated
- 4.0 Agenda was reviewed and approved with several additions. Several new Inductor Outlines will be submitted for acceptance and updates of several Fuse Outlines will be submitted for acceptance.
- 5.0 Previous Meeting Minutes approved with no changes.
- 6.0 General Discussion
- 6.1 Review of Web based Mechanical Outlines Database on ECA Web site by Carl Lindquist and Ed Mikosky.
- 6.2 Ed Mikosky presented P-4 password protected topic chat area in which submitted mechanical outlines would be attached to facilitate review / approval between meetings. Password will be available to the committee members. Email to Committee Members, indicating new items, will be sent by Ed. This site could be up for our use within a week or two.
- 6.3 Mechanical Outlines – Guidelines and Numbering
- 6.3.1 Review of "Guideline for Preparation and Submission of Mechanical Outlines for Passive Electronic Components to EIA-ECA-PDP-100, Draft 3" prepared by Stephen Olster and modified by Carl Lindquist.
- 6.3.2 Stephen Olster to add the complete description of each Drawing Number alpha-numeric code as it was presented in the original description. A copy of the original description document file will be forwarded to Stephen by Carl Lindquist.
- 6.3.3 The designator "D" will be made available for "Face-Down" configuration in the Draft 4 Guidelines being updated by Stephen Olster. "Face Down" configurations to be provided to the P-4 Subcommittee by Jayson Young of Kemet including low ESL products. Because several "Face Down" configurations can result in the same Drawing Number, a Drawing Number for this type of component may contain multiple pages of drawings, Variations and recommended mounting layouts.
- 6.3.4 It was agreed that we would review the terminal styles presently referenced in the database for possible reduction, where possible. The terminal styles included were taken from the original PDP-100 description and may not be valid.

- 6.3.5 The present Drawing Number does not provide for a description of the number of terminals. Most of the passive components involved may be submitted in arrays with up to 30 terminals. This issue will be accommodated by adding a two digit number to the existing for place alpha designator (e.g. RRBM03 070205), where the "03" behind the alpha characters represents the number of terminals. There will be several variations in pad layout.
- 7.0 Mechanical Outlines – Review for Approvals
- 7.1 Fourteen (14) Inductor outlines received from Michael Griffith for acceptance with understanding that minor corrections will be required - a motion was raised, seconded, and passed to accomplish this. Changes will be made to titles for better correlation of descriptions with EIA drawing numbers. Changes will also be added to indicate number of terminals to the alpha portion of the Drawing Numbers. After the changes have been made the drawings will be ready for final posting as approved drawings.
- 7.2 Twenty-eight (28) revised Fuse drawings were submitted by Carl Lindquist for approval. Motion made, seconded, and passed to accept the drawings with minor changes to Title box per last meeting. Mike Lauri requested modification of titles for better descriptions agreeing with EIA drawing numbers. These will be reviewed and changes made to existing Drawing Numbers and written procedure in Guidelines.
- 7.3 Two (2) new Fuse outlines were submitted by Carl Lindquist for approval. After discussion of the many new drawing number revisions and drawing Title box changes, the proposed submissions were withdrawn with the understanding that they will be resubmitted for the next meeting after changes have been incorporated.
- 7.4 Numerous Resistor outlines had been in the interim folders, but they will require considerable work to get them into acceptable format. They had been submitted by Ted Coler at the last meeting. It was agreed that these outlines would be reworked by Mike Griffith for the next meeting.
- 7.5 Seven (7) IPD Outlines are present to be reviewed. They will be held pending availability of the password protected chat area.
- 8.0 Mechanical Outline Web Site Development and Maintenance
- 8.1 Ed Mikoski went through the new password protected chat site in more detail and answered some additional questions. It appears that we can submit new and revised Mechanical Outlines on the proposed chat site and review the actual Outlines as attachments. This site will be turned on shortly and we were asked to load it with Outlines slowly as we learn what it can do.
- 8.2 Each member of P-4 will have the password. Initially, it was agreed that Cecelia would advise each member when something new has been posted on this site. Eventually, Ed Mikoski will attempt to get this announcement system automated so that members are notified of new activity with an E-Mail.
- 8.3 It was agreed that a new field would be added to the database search between the present item 4 and 5 (As noted in 6.3.5, above). The new field will be a two digit number indicating the number of pins the component being sought will have. The default number will be "02". This number will be added to the end of the alpha portion of the Drawing Number.
- 9.0 New Business
- None
- 10.0 Old Business

None

11.0 Announcements

None

12.0 Next Meeting – Week of October 17, 2005, Radison Hotel, Memphis, TN,

13.0 Motion to adjourn was made and seconded at 11:35 AM

We thank all present for their participation.

This meeting was conducted in accordance with the EIA Legal Guidelines and the Manual of Organization Procedures.

Carl E. Lindquist
Chairman

Len Metzger
Secretary