



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

Wednesday, October 8, 2003

Marriott Rivercenter

San Antonio, TX

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

<u>NAME</u>		<u>COMPANY</u>
Susan	Barkal	Kemet
Joe	Biernacki	SEI Electronics
Terry	Charles	Panasonic
Ted	Coler	Vishay Dale
Bill	Gisseler	TDK
Michael	Griffith	KOA Speer Electronics
Patrick	Kyne	DSCC
Carl	Lindquist	San-O Industrial Corp
Maher	Mahmad	IBM
Len	Metzger	Panasonic
Ed	Mikoski	EIA/ECA

1.0 Call to Order

1.1 The meeting was called to order at 8:10 AM. A round of self-introductions was conducted.

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. A quorum was present.

<u>Member Organizations Present</u>	<u>Present at this meeting?</u>	<u>Present at previous meeting?</u>	<u>Present at meeting prior to previous?</u>
DSCC	Yes	No	?
IBM Corporation	Yes	Yes	Yes
Kemet	Yes	No	Yes
KOA Speer Electronics	Yes	Yes	Yes
Panasonic Industrial Co.	Yes	Yes	Yes
SAN-O Industrial Corp.	Yes	Yes	No
SEI Electronics	Yes	No	Yes
TDK	Yes	No	?
Vishay	Yes	Yes	No

<u>Member Organizations Absent</u>	<u>Present at this meeting?</u>	<u>Present at previous meeting?</u>	<u>Present at meeting prior to previous?</u>
*Littelfuse, Inc.	No	No	No
*Lucent Technologies	No	No	No
*Taiyo Yuden	No	No	No
AEM	No	Yes	No
Cooper Bussmann	No	Yes	Yes
Cornell-Dubilier	No	Yes	Yes

*Indicates dropped for Quorum calculation due to history of non-attendance

Other Organizations Present
EIA/ECA

2.2 Approval of Agenda

The Committee unanimously accepted the Agenda

2.3 Approval of April 2003 Tempe, AZ Meeting Minutes

The minutes of the Tempe, AZ meeting were not approved due to technical difficulties. These minutes will be reviewed at the Spring, 2004 meeting.

3.0 General Discussion

3.1 Opening comments

The meeting was opened with a brief description of the purpose of the Mechanical Outlines and what our primary objectives were for this meeting. The primary goal for this meeting will be to review and ballot the first set of Mechanical Outlines to be posted on the ECA Web Site. Hard copies of the Mechanical Outlines and Agenda were provided to attendees.

3.2 Items to be added to New Business

None

4.0 Mechanical Outlines

4.1 Approved New Mechanical Outlines

Twenty – nine (29) Mechanical Outlines that had been discussed at the last meeting that now incorporated required changes were resubmitted for acceptance at this meeting. Due to a computer / projector interface problem, hard copies of the drawings were used for final review. There were some questions regarding the numbering system employed and the system was briefly described to demonstrate its use. One issue raised at an earlier meeting was new smaller component sizes that may not be compatible with our present numbering system. Some new surface mount components now have dimensions requiring three places. (e.g. 005) The present system permits two place precision for H, W and L dimensions. One excellent idea put forth was the possible use of a new multiplier to permit our continuing to use the present two digit numbering system. This will be reviewed further.

After a brief discussion and some questions, a motion was made and seconded to accept all twenty – nine (29) Mechanical Outlines with no changes. With no further discussion presented, a vote was requested and the motion was passed unanimously.

It was agreed by Ed Mikoski, EIA / ECA, that he will take the approved mechanical outlines that were provided to him to his IT Department for further action. We will attempt to get them posted in the database configuration developed earlier on the ECA Web Site as quickly as possible. Once the database is online, we can begin to provide the Manufacturer Web Site "link" information. A means will need to be developed by the EIA / ECA to limit access to manufacturers' Web Sites associated with each Variation to only ECA Member Organizations.

The Mechanical Outline File Names have been changed to agree with the associated Drawing Numbers in an effort to make this information more clear. A Cross Reference list, providing the old file numbers and the associated new file numbers for the twenty-nine drawings accepted at this meeting, has been attached to these minutes. Changes to the database will be needed to correct for these new Drawing Numbers.

Copies of the twenty-nine approved Mechanical Outlines for fuses were provided to other fuse manufacturers that were present at the U-1 Meeting. Some could not attend the P-4 Subcommittee meeting.

4.2 Proposed New Outlines For Approval

It was again recommended that each component Subcommittee establish a Working Group that will address all proposed Mechanical Outline Drawing Number identifications for submission to, and approval by, the associated Subcommittee. Final approved Outlines will then be submitted to the P4 Mechanical Outline Subcommittee. The first task for Working Groups for each type of passive component will be the development and review of appropriate codes to be used on the associated Mechanical Outlines. All Mechanical Outlines approved by the specific Subcommittees will then be submitted to the P4 Subcommittee for final review of layout and content. The Mechanical Outline(s) will be forwarded to the EIA / ECA for placement on the Web Site, if found to be acceptable.

We emphasized that these Mechanical Outlines will be treated as "Living Documents", in that they will likely see regular changes as we initiate the database. Even after the database has matured, it will still be necessary for P-4 Subcommittee members, to constantly monitor the site to insure that the information is accurate and the latest available.

4.2.1 Acceptable Drawing Layouts

Drawing layouts will continue to follow the description employed in the earlier PDP 100 manual, with the exception of the new Drawing Number system. New parameters will be incorporated as work progresses with the EIA / ECA IT Group to link to Member Web Site locations via "Variation" on each Mechanical Outline. We will also work to link with associated published EIA / ECA Specifications via the "Drawing Numbers". Only Members of EIA / ECA will have access privileges beyond the Mechanical Outlines made available at no cost to all on the EIA / ECA Web Site. The ability (and privilege) to directly link from a component Mechanical Outline "Variation" to a Member Web Site will be of considerable marketing value to EIA / ECA Members. Ed Mikoski confirmed during our meeting that Web Site access information (e.g. Number of hits, the sources, etc.) is collected and this will be made available to Member Companies with posted Mechanical Outlines.

4.2.2 Acceptable File Formats

Adobe Acrobat 5.0 or later will be the required format for Mechanical Outlines to be placed on the EIA / ECA Web Site. Use of this format will permit linking of the "Variation" and "Drawing Number" to remote sites. Earlier versions of this same software do not support this function. It is of no interest to the P-4 Subcommittee how a new Mechanical Outline drawing is generated. This may be accomplished using any of several CAD programs or other means. We only require that the final Mechanical Outline submitted for acceptance appear correctly when viewed in Adobe Acrobat Reader.

4.3 Assignments Associated With Various Passive Components

4.3.1 Working Groups

As noted earlier, each Subcommittee will create a Working Group to oversee details associated with Mechanical Outlines covering component packages used by the members. The numbering system will need to be reviewed by each Subcommittee and associated Working Group to insure the system can continue to be expanded to cover all known products. Drawing Numbers presently used in the PDP 100 Drawings will not be compatible with the new numbering system. There will likely be a need to provide a cross reference from the old Mechanical Outline to a newly assigned, searchable, Drawing Number for those components presently referenced by the old number in existing documentation.

4.2.2 Chairs and Secretaries

Since the Mechanical Outline effort will be significant, a Chair and Secretary should be identified for each Subcommittee Working Group responsible for reviewing Mechanical Outlines to be submitted to P-4.

5.0 Mechanical Outline Web Site Development and Maintenance

5.1 General Discussion

Development and maintenance of the EIA / ECA Mechanical Outline Database will be retained in the P4 Subcommittee and rely totally on support of the EIA / ECA TI personnel for database development and maintenance, as well as input from members of each component Subcommittee.

5.2 Drawing Numbering System

The basic Drawing Number System for the following components has been initially developed. Actual Mechanical Outlines updated with the new numbering system are as noted.

5.2.1 Fuses - Twenty-nine (29) Mechanical Outlines are ready for placement on a limited access Web Site to finish work on linking to Member Web Sites and EIA / ECA Document references.

5.2.2 Resistors - Awaiting input from Subcommittee

5.2.3 Capacitors- Awaiting input from Subcommittee(s)

5.2.4 Inductors - Awaiting input from Subcommittee

5.2.5 Integrated Passive Devices (IPD's) – Awaiting input from Subcommittee

5.3 Database Development Status

The basic database has been developed. P4 Members will continue to work with EIA / ECA IT System personnel as the program expands and improves.

6.0 New Business

None

7.0 Old Business

None

8.0 Announcements

None

9.0 Next Meeting – tentatively the Week of April 19 - 22, 2004 in Tampa, FL

10.0 Adjournment

The meeting adjourned at approximately 10:00am

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

Carl Lindquist
Chairperson

Ed Mikoski
Acting Secretary

Mechanical Outline Database Drawing Number Cross Reference

New File Number

Old File Number

SFCH 100605.pdf	E-020218.pdf
SFCH 120606.pdf	E-011026.pdf
SFCH 120604.pdf	E-011029.pdf
SFCH 241010.pdf	E-011024.pdf
SFCH 401010.pdf	E-010907.pdf
CFBT 120202.pdf	E-020123.pdf
AFBT 120202.pdf	E-011204.pdf
RFBT 120202.pdf	E-011205.pdf
CFET 120202.pdf	E-011206.pdf
AFET 120202.pdf	E-020124.pdf
RFET 120202.pdf	E-020125.pdf
CFBC 200505.pdf	E-020126.pdf
AFBC 200505.pdf	E-020130.pdf
RFBC 200505.pdf	E-020131.pdf
CFEC 200505.pdf	E-020132.pdf
AFEC 200505.pdf	E-020133.pdf
RFEC 200505.pdf	E-020205.pdf
CFBH 551818.pdf	E-020206.pdf
AFBH 551818.pdf	E-020207.pdf
RFBH 551818.pdf	E-020208.pdf
CFEH 551818.pdf	E-020209.pdf
AFEH 551818.pdf	E-020210.pdf
RFEH 551818.pdf	E-020211.pdf
CFBH 351616.pdf	E-020212.pdf
AFBH 351616.pdf	E-020213.pdf
RFBH 351616.pdf	E-020214.pdf
CFEH 351616.pdf	E-020215.pdf
AFEH 351616.pdf	E-020216.pdf
RFEH 351616.pdf	E-020217.pdf

September 23, 2003