



Minutes of P-10 Committee on Integrated Passive Devices

Tuesday 26 September, 2006

Silver Legacy Resort

Reno, Nevada

P-10 Committee's Scope:

Will provide technical support and develops standards and specifications for electronic devices using mixed passive product technologies and diodes that perform a passive function, e.g., a) resistors and capacitors; b) resistors and diodes; c) resistors, capacitors, and inductors.

These devices may be discrete components that are “integrated” on a common substrate (hybrid) or in a carrier formed by a common manufacturing process (monolithic).

Activities also include the generation of terms and definitions, review of specifications, establishment of new specification criteria, and maintenance of existing criteria relating to these devices.

To accomplish these functions, the committee maintains liaison with and uses technical information from other standards development organizations (SDOs), government agencies, industry, various professional organizations, participating members, and guests.

Attendees:

| <u>NAME</u> | | <u>COMPANY</u> |
|-------------|-----------|-----------------------|
| Joe | Biernecki | Stackpole |
| Terry | Charles | Panasonic |
| Ted | Coler | Vishay |
| Michael | Griffith | KOA |
| Jerry | Kolbe | Murata Electronics |
| Mike | Lauri | IBM |
| Carl | Lindquist | San-O Industrial Corp |
| Laird | Macomber | Cornell Dubilier |
| Len | Metzger | Panasonic |
| Ed | Mikoski | EIA/ECA |
| Larry | Mosely | Intel |
| Dave | Ritchey | Yageo |
| Jason | Young | KEMET |
| | | |
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The meeting was called-to-order at 11:05 am by Chairman Michael Griffith

1.0 Introductions

Self-introductions were made,

2.0 Committee Organization and Procedures

2.1 Membership and Attendance

Attendance was taken, and it was determined that a quorum was present.

| <u>Member Organizations Present</u> | <u>Present</u> | <u>Present at Ft Lauderdale</u> | <u>Present at Memphis</u> |
|-------------------------------------|----------------|---------------------------------|---------------------------|
| IBM | Y | Yes | Yes |
| KOA | Y | Yes | Yes |
| Panasonic | Y | Yes | Yes |
| San-O Industrial Corp | Y | Yes | Yes |
| Stackpole | Y | Yes | Yes |
| Vishay | Y | Yes | Yes |
| Yageo | Y | Yes | No |
| Kemet | Y | No | No |
| Mini-Systems | Y | Yes | Yes |

| <u>Member Organizations Absent</u> | <u>Present</u> | <u>Present at previous meeting?</u> | <u>Present at meeting prior to previous?</u> |
|------------------------------------|----------------|-------------------------------------|--|
| AEM* | N | No | No |
| ROHM | N | Yes | No |

*Not counted in determination of quorum due to committee member inactivity

| <u>Other Organizations Present</u> |
|------------------------------------|
| EIA/ECA |
| Intel |
| Murata |

2.2 Approval of Agenda

The Committee unanimously accepted the Agenda as presented.

2.3 Approval of Minutes

The committee unanimously accepted the minutes from May 2005 meeting based upon correcting the company name for San-O and Stackpole.

2.4 Correspondence

No correspondence was received.

3.0 Old Business

3.1 Review update EIA/ECA 800 (P/N 5146)

Update to EIA/ECA 800 was performed and the document was voted to send for EIA a 30 day P-panel letter ballot. The voting was unanimous to send for ballot.

3.2 Review update EIA/ECA 850 (P/N 5145)

Update to EIA/ECA 850 was performed and the document was voted to send for EIA a 30 day P-panel letter ballot. The voting was unanimous to send for ballot.

3.3 Review update CB16 (P/N 5144)

Update to CB 16 was performed and the document was voted to send for EIA a 30 day P-panel letter ballot. The voting was unanimous to send for ballot.

3.4 PDP-100 mechanical Outlines

No new mechanical outlines were. Also waiting for feedback from P-4 on the approval of all previous submissions. When P-4 does provide feedback an e-mail will be sent to the group to determine if the comments provided by P-4 should be incorporated into the drawing(s)

3.5 Five year document review

No documents required a 5 year review at this meeting

4.0 New Business

The S-1 committee created a new sub-committee creating a new J-STD-xxx spec for MSL ratings and component susceptibility to Pb-free solder temperatures. The S-1 group suggested that one person from each P-panel be the point person for that P-Panel. Michael Griffith was nominated and voted, unanimously, to be the primary contact for the new S-1 sub committee.

5.0 Next Meeting

The next ECA meeting will be held in San Diego, CA in April 16~19, 2007. The Fall 2007 is tentatively slated for San Antonio, Texas

6.0 Adjournment

The meeting was adjourned at 11:40 AM.

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

Michael Griffith
Chairman

Michael Griffith
Acting Secretary