



# Electronic Components, Assemblies & Materials Association

2500 Wilson Boulevard, Arlington, Virginia 22201-3834  
tel 703-907-8024 • fax 703-875-8908 • www.ec-central.org

## Minutes of P-1 Committee on Resistive Devices

**Tuesday, 05 October, 2004      Holiday Inn (On The Bay)      San Diego, CA**

**P-1 Committee's Scope:** All types of resistive components regardless of technology. Includes composition, film, wirewound, thermistors, attenuators, networks, and chip resistors and excluding Integrated Passive Devices.

Attendees:

<u>NAME</u>	<u>COMPANY</u>
Terry D. Charles	Panasonic
Ted Coler	Vishay
Michael Griffith	KOA
Nick Holmberg	Intel Corporation
Mike Lauri	IBM
Len Metzger	Panasonic
Steve Olster	Mini-Systems Inc
Dave Ritchey	Yageo
Ed Mikoski	EIA/ECA

<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>
IBM	Y	N	Y
Intel Corporation	Y	Y^	n/a
KOA Speer Electronics	Y	Y	Y
Mini-Systems Inc	Y	Y	N
Panasonic	Y	Y	Y
Vishay	Y	Y	Y
Yageo	Y	Y	Y

^Activated as member of committee

<b><u>Member Organizations Absent</u></b>	<b><u>Present at This Meeting?</u></b>	<b><u>Present at previous meeting?</u></b>	<b><u>Present at meeting prior to previous?</u></b>
AEM	N	Y	n/a
CTS*	N	N	N
Murata Electronics	N	Y	n/a
SEI-Electronics, Inc.	N	Y	Y
Visteon*	N	N	N

\*Not used in determination of quorum due to record of non-attendance

<b><u>Other Organizations Present</u></b>
EIA/ECA

## 1. Introductions

The meeting was called-to-order at 4:00 PM by acting chairperson Michael Griffith. Self-introductions were made,

## 2. Committee organization and procedures

### 2.1 Membership and attendance

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

### 2.2 Approval of the Agenda

The Committee unanimously accepted the Agenda as presented.

### 2.3 Approval of the Minutes

The Committee unanimously accepted the Minutes of the last meeting, with the exception that IBM was at the October 2003 prior meeting to that – so the table for Member Organizations present should show the following for IBM

Member Organization present	Present at this meeting	Present at previous meeting	Present at meeting prior to previous
IBM	N	Y	Y

### 2.4 Correspondence

No correspondence was received

## **2.5 Review of the Committee's scope**

Scope is fine as written.

## **2.6 Report of task groups and DSCC efforts**

DSCC was not present at this meeting – no report was provided. According to Ed Mikoski the DSCC does plan on continue to come to the meetings.

## **3. Old business**

### **3.1 EIA/IS-703**

A form was submitted for a new P/N and the electronic version was submitted to Ed Mikoski for publication.

Action item: get with Brian Piscitelli and make sure the PINS form has been filled out and sent to Cecelia. If there was a PINS form f/up with Cecelia Yates (ECA).

### **3.2 EIA-575-A (SP5052) & EIA-576/A(SP5053)**

Panasonic provided their vote to this specification and voted to abstain from voting so the specification can mover forward.

SP5052 voted tally as of October and April meetings. The only change from April to October was the Panasonic vote.

Murata – Abstain

Panasonic – Abstain (October meeting)

Intel – Abstain

Vishay – Yes

Yageo –Yes

Compaq –no response

KOA – Yes

ROHM – no response

IBM – Yes

AEM – Yes

Mini-Systems – Yes

CTS – no response

SEI - Yes

With the Panasonic vote the ballot is complete and the specs are to move forward for publication.

ACTION ITEM: ECA to publish EIA-575 as an ANSI standard.

(SP5053)

Panasonic provided their vote to this specification and voted to abstain from voting so the specification can move forward.

SP5053 voted tally as of October and April meetings. The only change from April to October was the Panasonic vote.

Murata – Abstain

Panasonic – 30 Abstain (October meeting)

Intel – Abstain

Vishay – Yes

Yageo – Yes

Compaq – no response

KOA – Yes

ROHM – no response

IBM – Yes

AEM – Yes

Mini-Systems – Yes

CTS – no response

SEI - Yes

With the Panasonic vote the ballot is complete and the specs are to move forward for publication.

ACTION ITEM: ECA to publish EIA-576 as an ANSI standard.

### **3.3 PDP-100 drawings**

SEI, Dave Ritchey and Terry Charles were not able to provide the drawings from the last meeting

A review of all mechanical drawings was performed by the members.

SOMM-2012 (change for new format) – Yageo (Dave Ritchey)

SOMM-3216 (change for new format) – Yageo (Dave Ritchey)

SOPC-1106 (change for new format) – Panasonic (Terry)

SOPC-2107 (change for new format) – Panasonic (Terry)

SOCM-1005 (SEI)  
SOCM-1608 (SEI)

These drawings were submitted to P-4 under the new drawing number format.

SOPC-6235 (change for new format) – KOA (Mike G)

SOPC-9941 (change for new format)- KOA (Mike G)

SOMM-3514 (change for new format) – Vishay (Ted Coler)

SOMM-5922 (change for new format) – Vishay (Ted Coler)

SOCM-2012

SOCM-3216

SOCM-3225

SOCM-5025

SOCM-6332

SOCM-0603

SOCM-3246

Numerous other files were also sent to P-4 which included Molded SIPS and Conformal coated SIP packages (see figure 1)

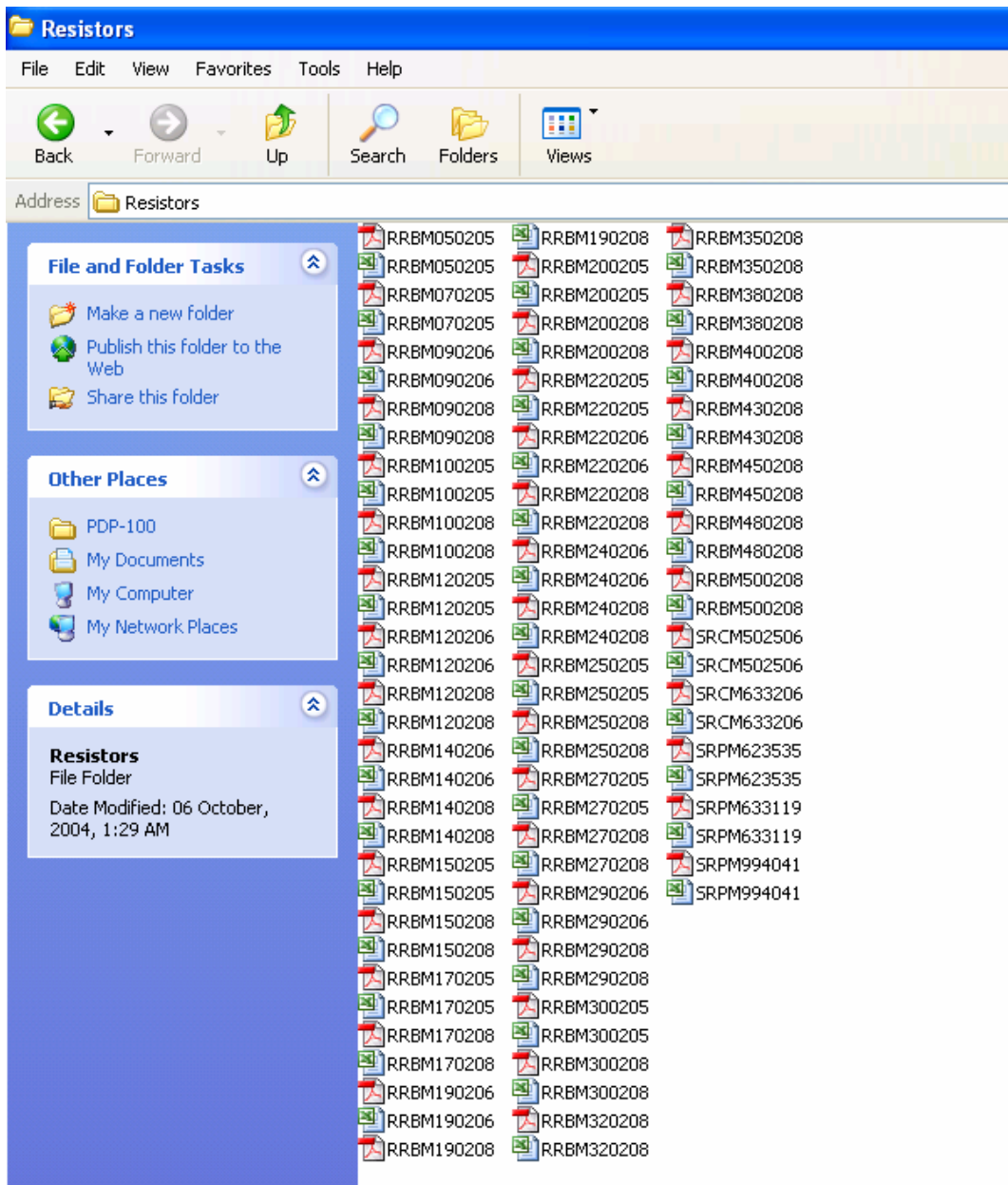


Figure 1

### 3.4 EIA-886 & EIA-887

Status of EIA-886.

According to ECA no PINS form was received. Need to F/up with Brian Piscitelli to determine PINS form.

Action item: get with Brian Piscitelli and make sure the PINS form has been filled out and sent to Cecelia. If there was a PINS form f/up with Cecelia Yates (ECA).

#### Status of EIA-887

No one at the meeting could remember why this specification was up for ballot. A vote was taken to move this specification for reaffirmation in April 2005

### **3.5 Thin film on Ceramic resistor Array**

According to ECA no PINS form was received. Need to F/up with Brian Piscitelli to determine PINS form.

Action item: get with Brian Piscitelli and make sure the PINS form has been filled out and sent to Cecelia. If there was a PINS form f/up with Cecelia Yates (ECA).

### **3.6 Review open P-1 projects**

A review of the P-1 active projects was performed. The file provided prior to the meeting was dated 12-April-2004 and the one provided at the meeting was dated 30-Sep-2004. Issues between the 2 files were found. The April file indicated certain specs were rescinded while the Sep file indicated these same specs were reaffirmed. The following specs were voted, unaminously to be put into Archive:

EIA-172-B  
EIA-460  
EIA-196-A  
EIA-396  
EIA-451  
EIA-452

The following specs also had the same issue but were not voted upon at this time. In the April 2005 meeting these specs should be voted upon as to whether to rescind and send to Archives or reaffirm.

EIA-303  
EIA-333  
EIA-155-B  
EIA-229-A  
EIA-322  
EIA-344  
EIA-345

EIA-360  
EIA-275-A  
EIA-309  
EIA-337  
EIA-349  
EIA-350

### **3.7 “Pb” Free issue (Intel status of mark requirement for “Pb” free components.**

Intel informed the committee that they would be following NEMI guidelines for marking,

### **4 Selection of next meetings**

New Orleans May 17 4PM

### **5 Adjournment**

The Committee moved, seconded, and unanimously agreed to adjourn at 5:15PM.

### **6 Action items**

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

---

Acting Chairman Michael Griffith

---

Acting Secretary Edward Mikoski