

## Topics for discussion for IPC-4811 for Concall 11/02/06

### Topics:

1. Delete Item 10, Resistivity of Conductor Paste in Table 3-2 and paragraph 3.13.2.4. We know of no supplier providing such a material at the present time. In addition, the conductivity will be so low as to be meaningless to a designer. **Done**

2. In Table 3-2 (Non-laminate like resistor materials):

A. List resistor decades in item 6, Viscosity. Proposed decades are

10 ohm/square

100 ohm/square

**Need to confirm decision**

1k ohm/square

10 k ohm/square

(add additional decades if deemed appropriate)

B. List resistor decades as shown above for items 7, 8, 9, 11, 12.

**Need to confirm decision**

C. Change item 11 from Moisture and Water Absorption to Temperature and Humidity environmental testing (85/85 for 1000 hours). Measure resistance before entering environmental chamber and then at selected intervals up to 1000 hours. Show on the slash sheet the % change in resistance from nominal.

Also change Conformance Testing Frequency for this item from B to C.

**Confirm leaving M & W abosrp still in?**

D. Thermal Stress (Solder Float): Include in paragraph 3.14.2.3 measurement of resistance before and after solder float. Include % resistance change on slash sheets.

**Change wording to: "The percent change in resistance from nominal shall be shown on the applicable slash sheet."**

E. Add Thermal Cycling to the list. We would need to specify a temperature range. Suggest 1 hour cycle with 30 minute soaks with 1 minute transition time. Do test for 1000 hours. Conduct the test 1 time (Qualification Testing). Report % resistance change from nominal.

**Confirm decision not to add.**

3. In Table 3-1:

A. Change item 9, Moisture and Water Absorption, to 85/84 test as in C above.

**Confirm leaving M & W abosrp still in?**

B. Add Thermal Cycling as in E above.

Confirm decision not to add.

4. Paragraph 3.11.1.1 Thickness – still needed? Taken out of slash sheet /2

5. Change classification number on slash sheet/1

6. Change “Form of Resistive Material” to Sheet on slash sheet /2

7. Change “Form of Resistive Material” to Liquid on slash sheet /3