

IPC-ERFA møde den 21. november 2013

Afvikles hos HYTEK, Sofievej 61, 9000 Aalborg

Dagsorden:

- 10:00 Velkomst
- v/Alex Christensen, HYTEK
- 10:05 An IPC overview with the headline “Increased reliability and Quality with the assistance by IPC Standards”
- v/Lars Wallin, IPC European Representative
- What quality and reliability problems can occur in PCBA?
- Introduction, goal and agenda.
 - Survey of different types of hardware problems, which can occur in the production chain of a PCB aimed for electronic products.
 - Is it larger risks with a Lead Free process?
 - What can this quality and reliability problems cost? Examples from the real electronic world.
- Let us take a quick tour through the entire production chain of a PCBA!
- Welcome to the electronic designers and CAD world.
 - IPC Class 1, 2 or 3?
 - Level A, B or C?
 - IPC-2221B, IPC-2222A and IPC-7351B will be discussed plus others relevant IPC standards for electronic design and CAD.
 - Welcome to the world of Bare Board manufacturing.
 - Which standard and special base material exists for Bare Boards today and yesterday?
 - What effect has RoHS on Tg, Td, Dk & Df plus CAF?
 - IPC-4101C will be discussed plus others relevant IPC standards for base material?
 - Welcome to the world of Assembling and Soldering.
 - J-STD-001E, IPC-610E, IPC-7711/21B and IPC-620B will be discussed plus others relevant IPC standards assembling and soldering.
 - What does it cost to scrap and repair? Examples from the real electronic world.
 - Welcome to the world of Cleaning and Conformal Coating.
 - Is Clean Clean?
 - Why Cleaning, Measuring and Lacking?

What benefits can we get from IPC?

- The IPC benefits will be illustrated by a real case with the head line “Why Aren’t My Solder Joints Perfect?”
- All attendees will in detail follow a troubleshooting method with the subtitles:
 - The cause of a bad solder joint can be hard to find when the solder doesn’t fill the plated through holes according to IPC Class 3.
 - What is the Root Cause (s)?
 - What can such a problem cost?

12:00 Frokost / lunch

13:00 Fortsættelse af formiddagens program

14:00 Is there a need of a Checklist?

- How can a Checklist be useful in the entire production chain of a PCBA?
 - How many parameters does it exist in the chain?
 - What parameters do Project leaders, CAD operators and Purchases control before orders will be send out?
 - Which IPC Standards can be helpful?

All attendees will receive a copy of the IPC Checklist.

14:30 Eventuelt