IPC PCB INSPECTION SERVICE

- IPC-A-600 BARE PCB INSPECTION
- IPC-A-610 ASSEMBLED PCB INSPECTION
- INSPECTION ACCORDING ALL IPC CLASSES
- MULTIPLE HIGH QUALITY INSPECTION TECHNIQUES
- INDEPENDENT QUALITY ASSESSMENT
IPC PCB INSPECTION SERVICE

IPC-A-600 / IPC-A-610 PCB/PCBA INSPECTION

- IPC-A-600 – Acceptability of Printed Circuit Boards is an inspection criterion, setting the level of acceptance criteria for each class of product
- IPC-A-610 - Acceptability of Electronic Assemblies is the most widely used standard published by the IPC Association
- It has an international reputation as the source for end product acceptance criteria for consumer and high reliability printed wiring assemblies

INSPECTION CLASSIFICATION

- Class 1 – General Electronic Products
- Class 2- Dedicated Service Electronic
- Class 3 – High Performance / Harsh environment Electronic Products

ANALYSIS TECHNIQUES

- Non-destructive
  - Optical inspection
  - X-ray inspection
- Destructive
  - Mechanical cross-sectioning
  - Optical- and SEM inspection

SUMMARY

- Quality assessment of PCB design, manufacturing and assembly
- Analysis of the design, construction, materials, solder voids, cracks in the metallization, solder wetting, via filling, contamination, delamination and second source.