Diagnostic Tool for Printed Circuit Boards

Tech ID: 10-0019

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Status:

Seeking research & development and/or licensing partner

Patent Filed

Inventor:

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Current Testing Methods for Printed Circuit Boards

Manual Checking:

- Labor Intensive
- Inefficient
- Potential for human error
- Probe testing: Limited access

Automatic Testing Equipment (ATE):

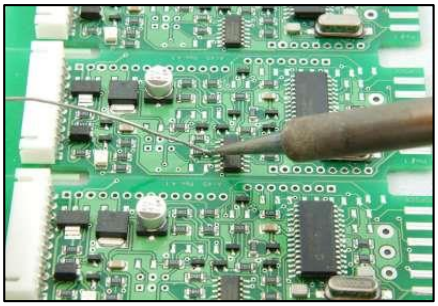
- Unique programing for each circuit board:
  - Time consuming/laborious
- Probe testing: Limited access

Novelties of Diagnostic Tool for PCB Testing

- Uses high frequency signal added with specified noise signal for PCB testing
- Compares difference between output pattern of testing board and output pattern of golden unit
- Neither ATE design nor manual checking is involved using this approach

Advantages:

- Decrease in man hours
- Reliability
- Ease-of-use
- Fast – no need to program
- Cost reduction
- Suitable for both large scale manufacture and small scale testing



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