



First Article Inspection and lots more...

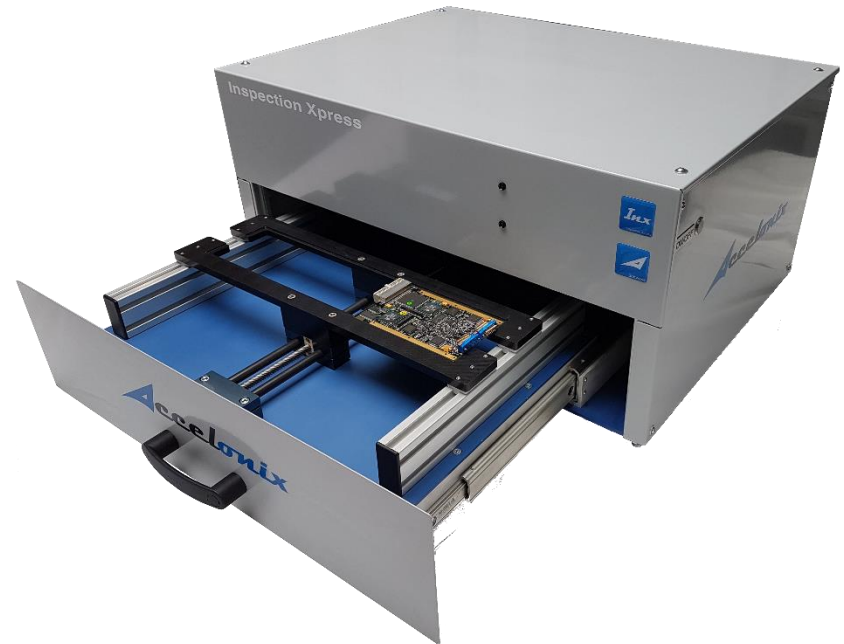


INSPECTION XPRESS

- How to be sure the « first off » PCB is good ?
- How can I check it ?
- How long do I spend to check it ?
- Is it reliable ?
- What is the cost of the “first off” PCB ?
- Do you stop the assembly line to check “first off” ?

INSPECTION XPRESS

An innovative solution



INSPECTION XPRESS

Purpose

- **To significantly reduce the time taken to manually verify the “first off” PCB (100%) through a process line.**
- Usable to 100 % inspect “first off”, prototype and small series in an easy and simple way

INSPECTION XPRESS

Concept

- Intelligent software assistance to the Inspector
- Inspection Xpress helps you to **manually** inspect a board.
- Golden board is NOT needed !!
- Increase inspection Quality and ensure the board is inspected to 100%
- Cut inspection time down & save money

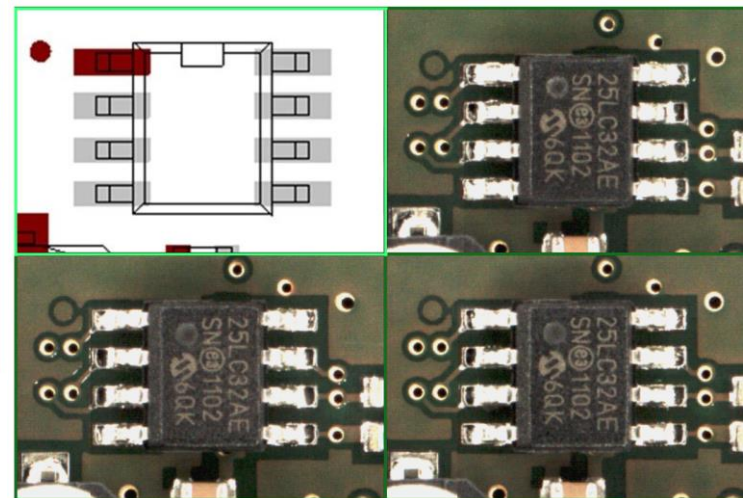
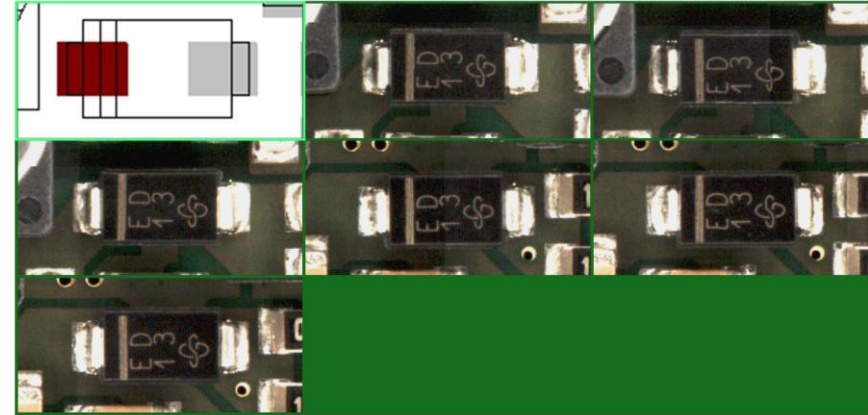
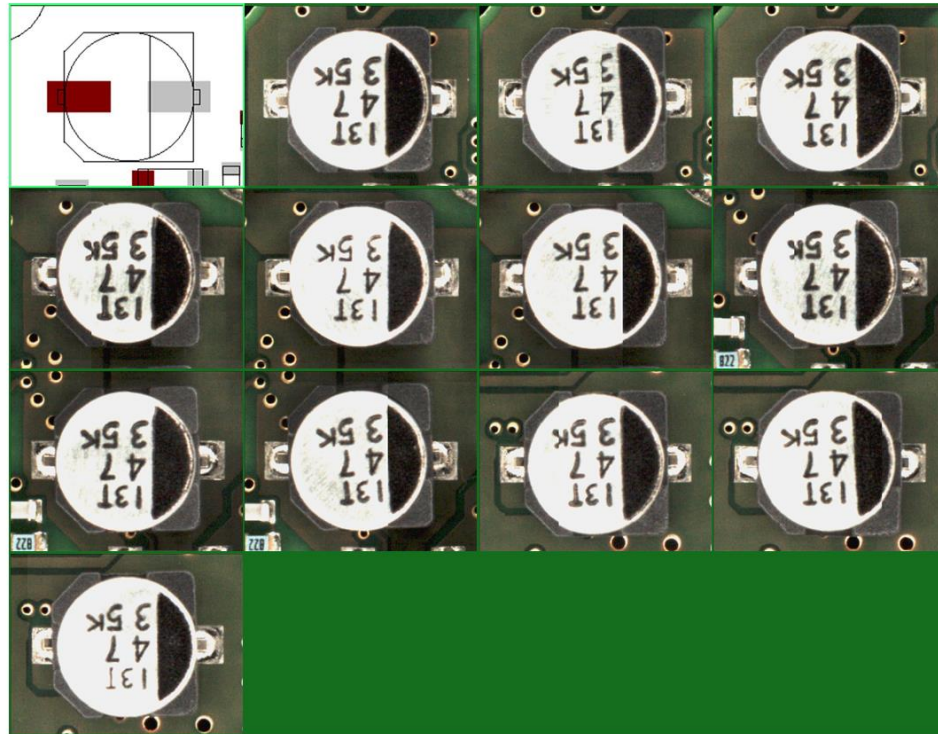


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Technical

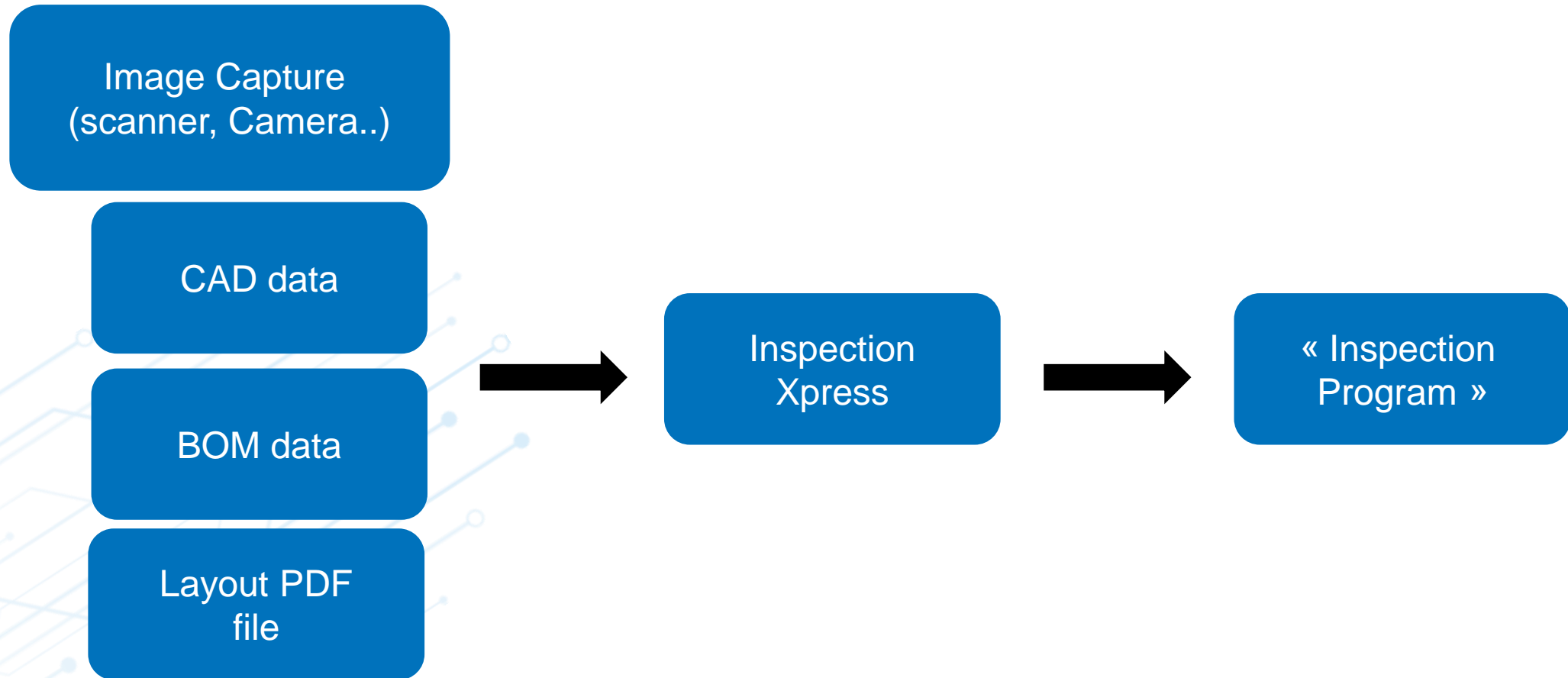
- The idea is to group components according to certain criteria and display them on the screen. For example, one possible criterion is the Part Number.
- Patented solution!

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INSPECTION XPRESS

Structure



INSPECTION XPRESS

How does it work?

- Because we know the details of the components and layers from the CAD and BOM data, we can section the component image from the capture file of the PCB image and group them in the inspection window.
- By grouping and positioning the images in this way, the user is able to find failures very quickly.

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DOES NOT INSPECT COMPONENTS

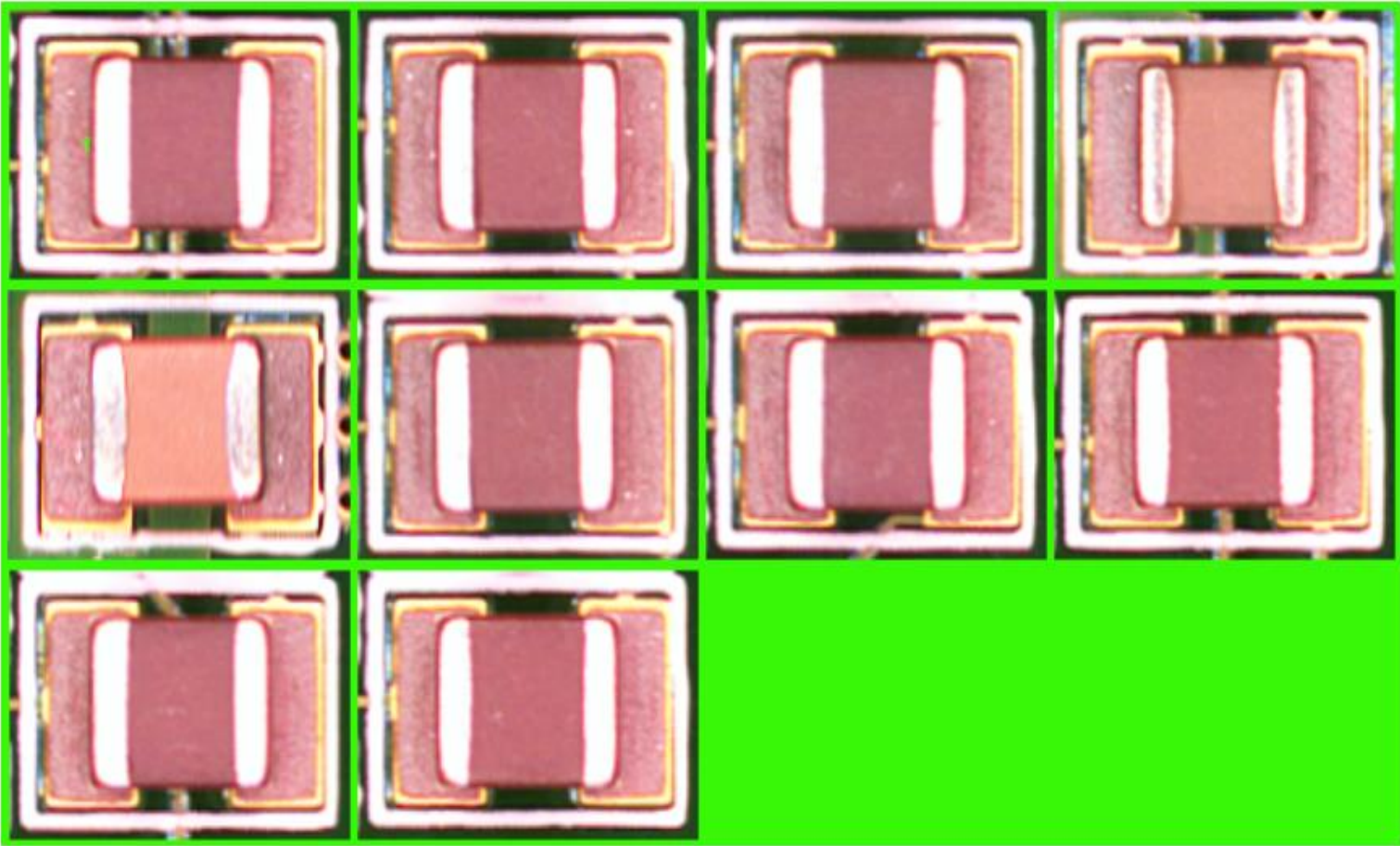
ONE BY ONE !!



Exercise 1

How long does it take to inspect a part number ?

You have just inspected 10 components in less than 2 seconds

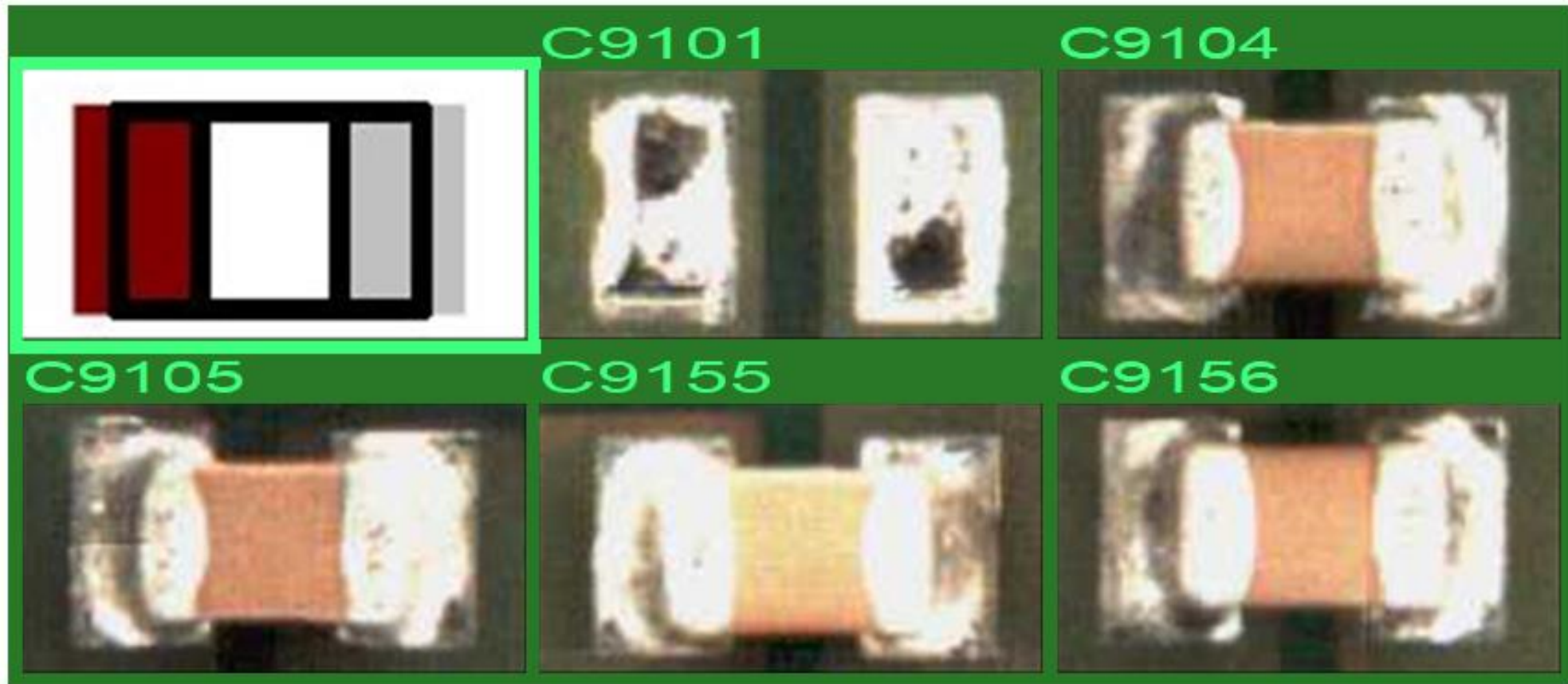


Exercise 2

How easy is it to spot an error ?



You have just inspected 15 more components in under 2 seconds
...and have found an error!!



INSPECTION XPRESS

To summarize

- Inspection Xpress is able to reduce inspection time
- Inspect all components of the “first off” PCB from the line
- Inspect more than 1 PCB ! (prototype runs)
- Use an unique and innovative solution to display components on the inspection window.
- Based upon the Accelonix software platform (Viewer and input processor...)





Accelonix
keeping you ahead