



**INSPEKTO**  
AUTONOMOUS MACHINE VISION

# PCB - Soldering Integrity and Shortening Inspection

## Inspection Use Case

### Application

Check soldering integrity, ensuring no shortening between 2 solder points (e.g. two solder points accidentally being soldered together), and no foreign objects on the solder points.

### Inspection objective and potential defect description

Soldering is done on numerous points on every PCB. The goal is to verify that the soldering is done well, filled to the edge (but not beyond), that there is no shortening between 2 or more solder points and no foreign objects attached to the solder point.

### Permitted defects

Texture changes.

### Special inspection challenges

Solder tail and shape vary.

## Production Environment

### Line handling method

Conveyor belt

### Inspection triggering method

Automatic

### PLC communication

I/O

### Production speed

60 ppm

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## Part Description

Name

PCB

Materials

Plastic, Metal

Production process

Soldering

Industry

Electrical

## Using INSPEKTO S70

