

# CIRCUITGUARD AI — PCB DEFECT ANALYSIS REPORT

Report ID: RPT-56710A90  
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## Defect Summary

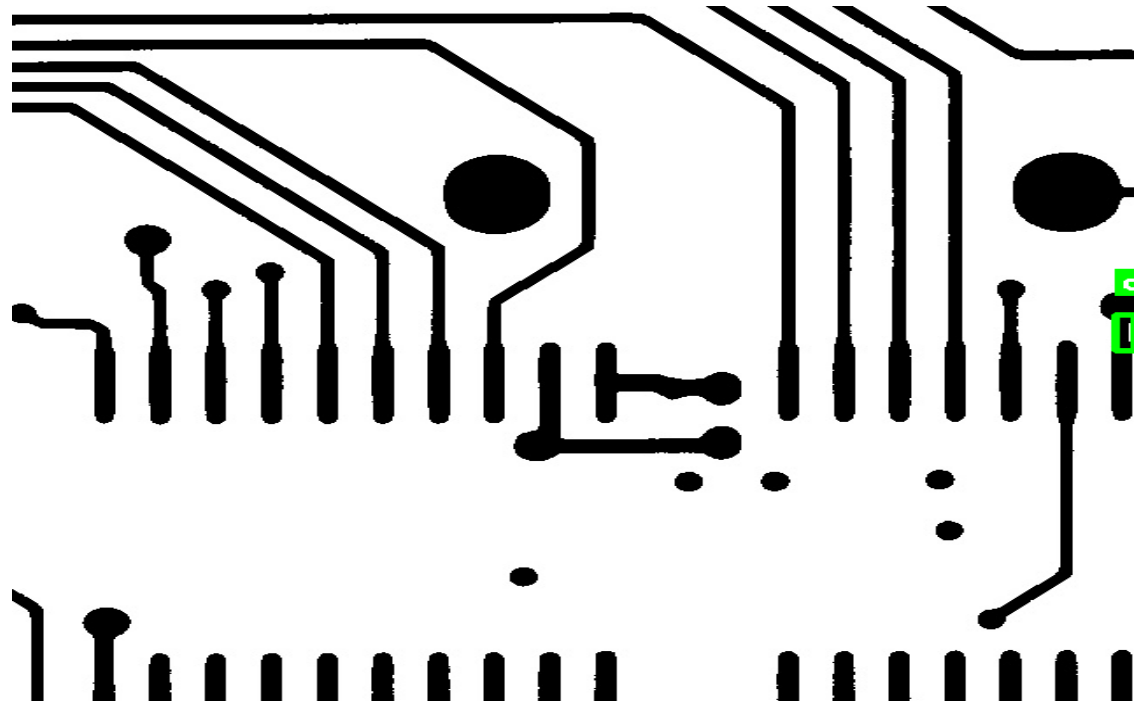
Total Defects: 1  
Average Confidence: 88.30%  
High: 1 | Medium: 0 | Low: 0

## Possible Causes & Remedies

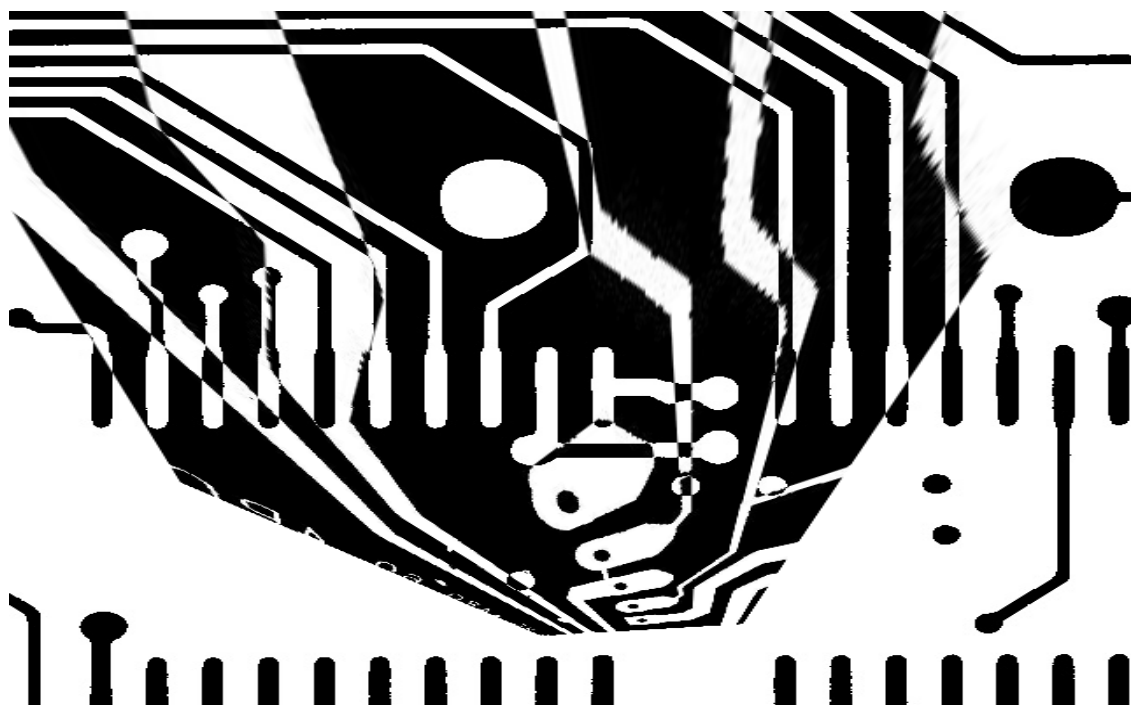
- Solder Bridge — Verify copper trace spacing and solder mask.
- Mousebite — Check drilling alignment and routing process.
- Open Circuit — Ensure complete etching and copper continuity.
- Spur — Clean unwanted copper residues.
- Pinhole — Inspect plating process and solder cleanliness.
- Spurious Copper — Use cleanroom inspection and re-etch.

## Visual Analysis

### Annotated PCB



### Difference Map



Binary Mask

