

CIRCUITGUARD AI — PCB DEFECT ANALYSIS REPORT

Report ID: RPT-040E8A61

Generated On: 2025-11-13 06:27:00

Defect Summary

Total Defects: 1

Average Confidence: 88.30%

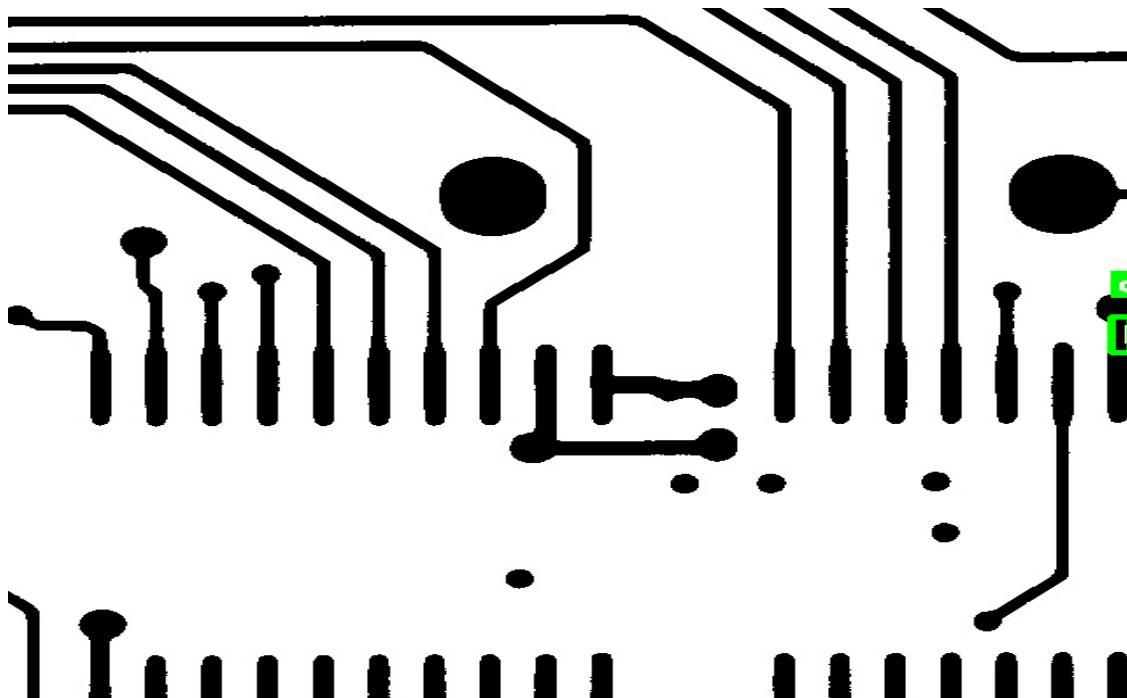
High: 1 | Medium: 0 | Low: 0

Possible Causes & Remedies

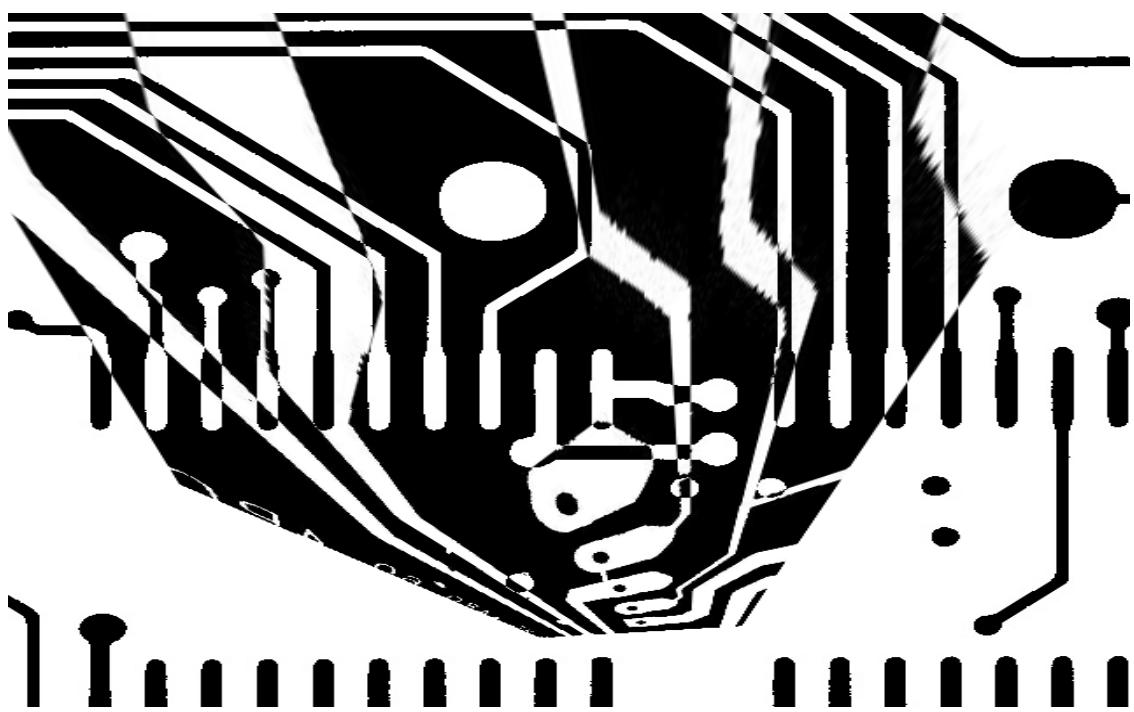
- Solder Bridge — Verify copper trace spacing and solder mask.
- Mousebite — Check drilling alignment and routing process.
- Open Circuit — Ensure complete etching and copper continuity.
- Spur — Clean unwanted copper residues.
- Pinhole — Inspect plating process and solder cleanliness.
- Spurious Copper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

Visual Analysis

Annotated PCB



Difference Map



Binary Mask

