CIRCUITGUARD AI — PCB DEFECT ANALYSIS REPORT

Report ID: RPT-D67242CC

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Defect Summary
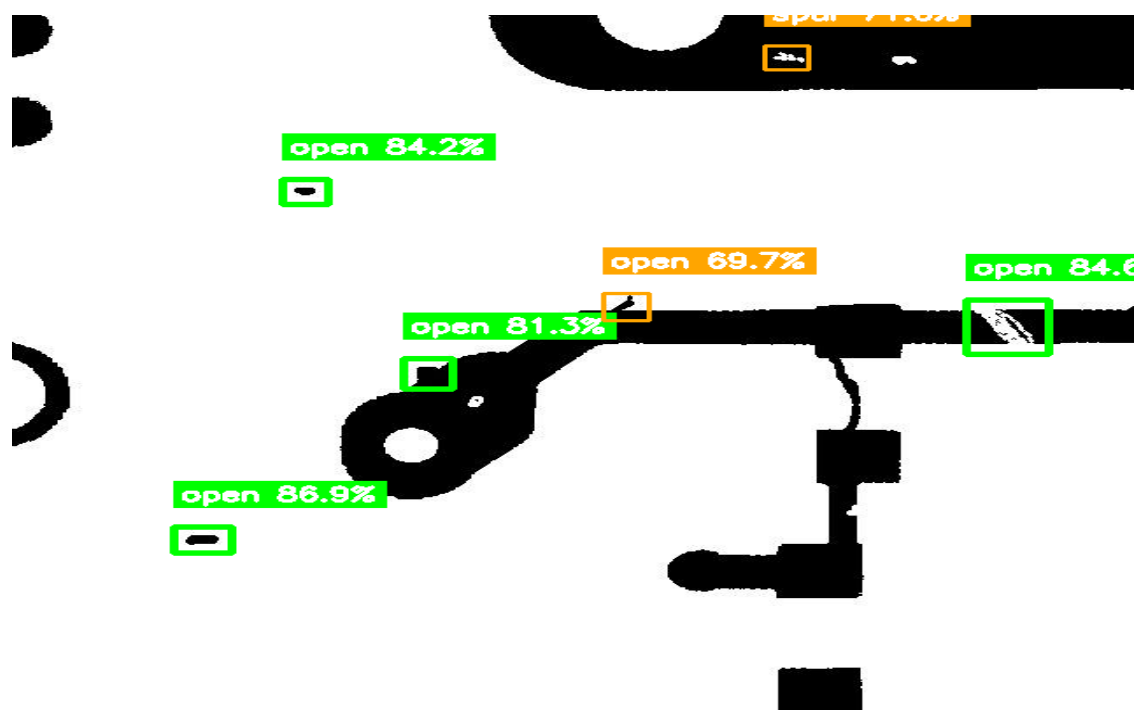
Total Defects: 6
Average Confidence: 79.62%
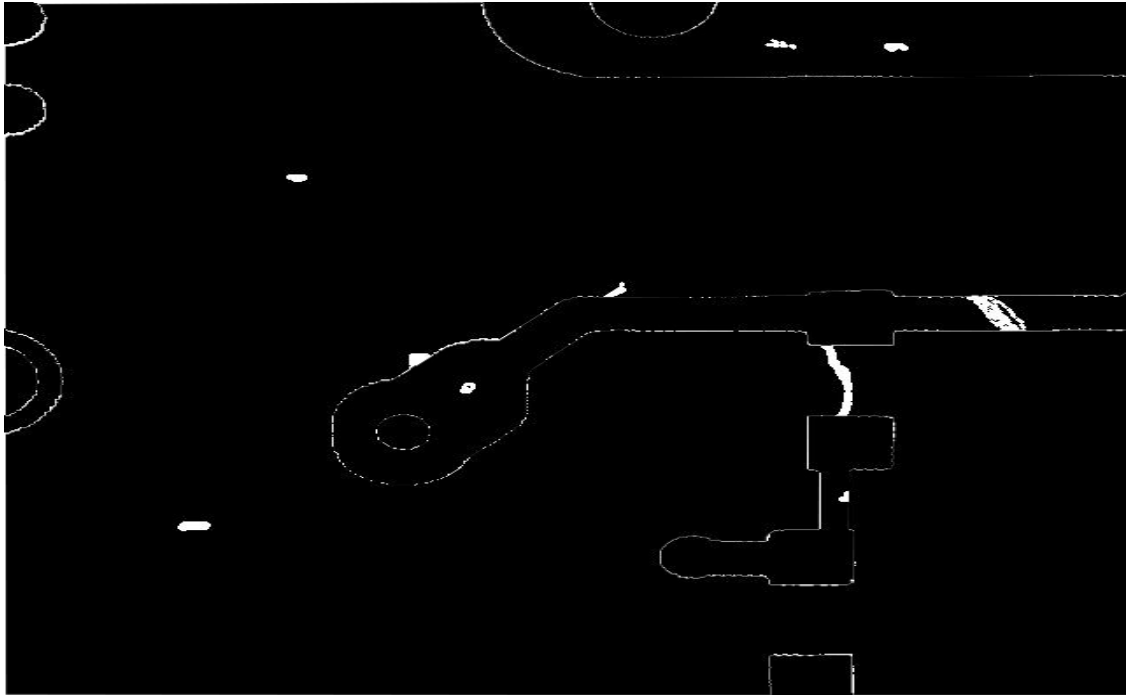High: 4 | Medium: 2 | Low: 0

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