

# CIRCUITGUARD AI — PCB DEFECT ANALYSIS REPORT

Report ID: RPT-5DA6473C

Generated On: 2025-11-12 14:22:37

## Defect Summary

Total Defects: 0

Average Confidence: 0.00%

High: 0 | 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

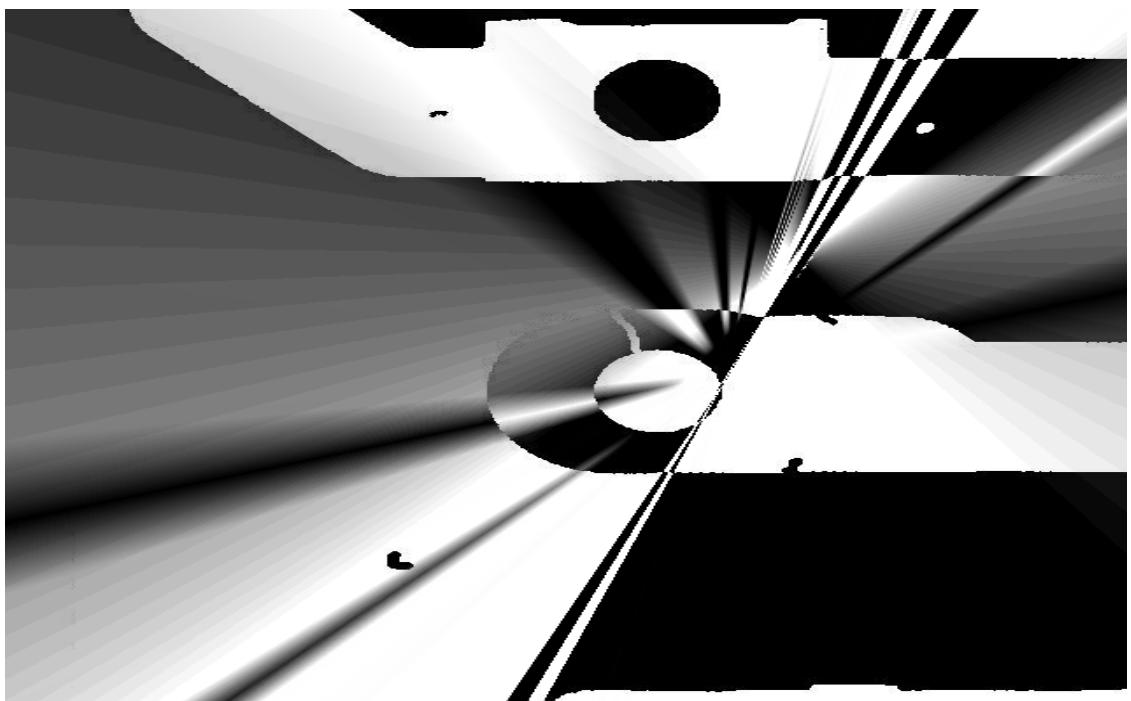
### Annotated PCB



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### Difference Map



**Binary Mask**

