CircuitGuard AI

PCB Defect Detection Report

Report ID:	RPT-52903F28
Generated On:	2025-11-17 22:00:01
Model:	ResNet50 (custom)
Device:	cpu

Executive Summary

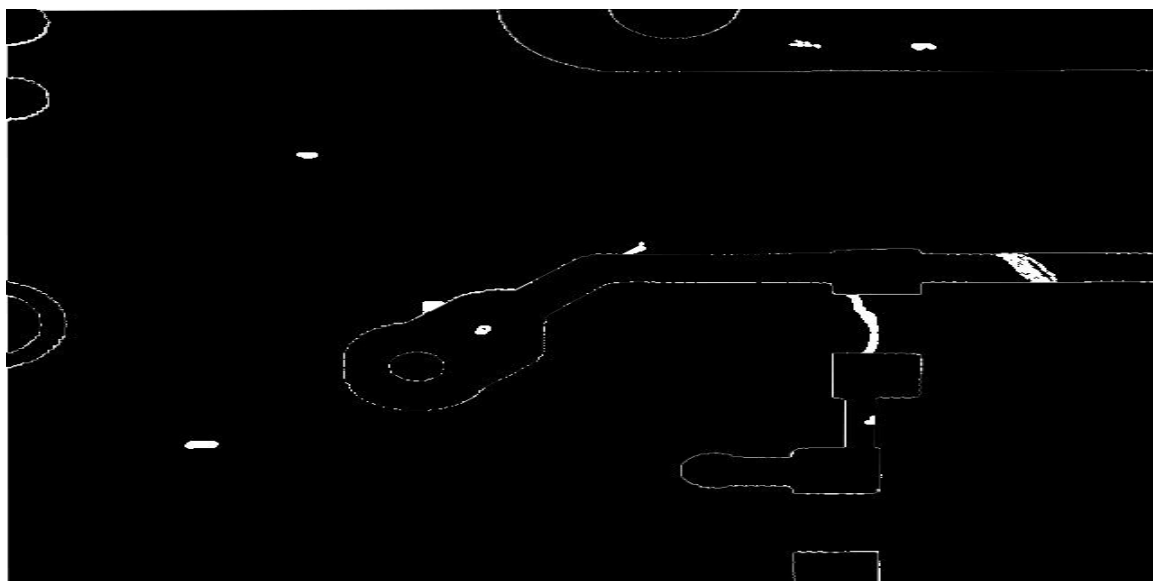Detected 0 defect(s). High:0, Medium:0, Low:0. Avg conf: 0.00%.
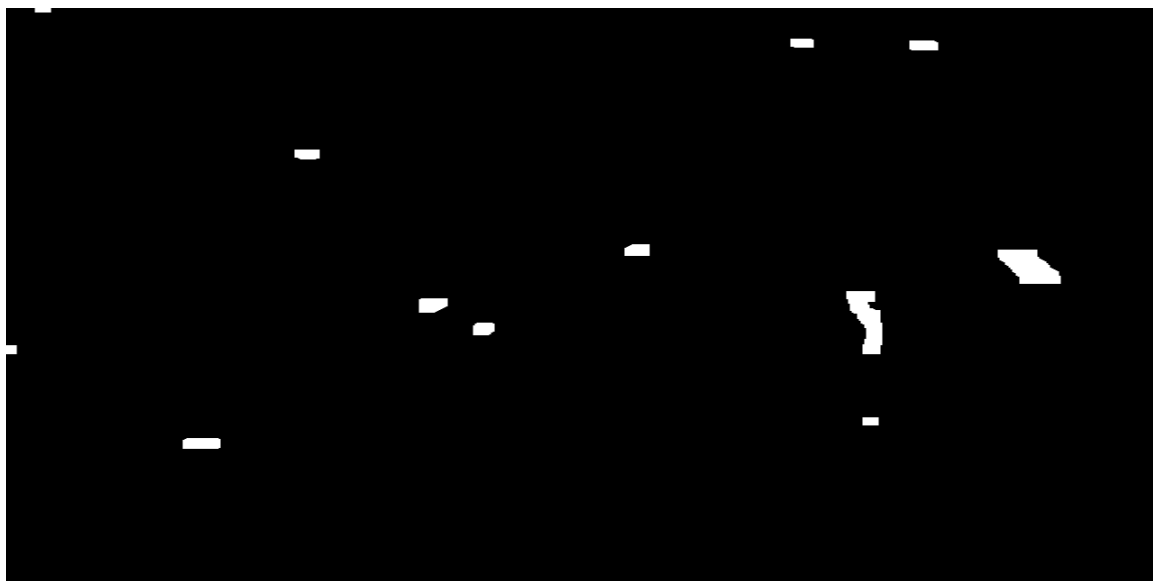
Metric	Value
Total Defects	0
High Confidence (>=80%)	0
Medium Confidence (60–80%)	0
Low Confidence (<60%)	0
Average Confidence	0.00%

Input Images & Maps

Difference Map

Binary Mask

Statistical Charts

Defect Count by Class

No Defects Detected
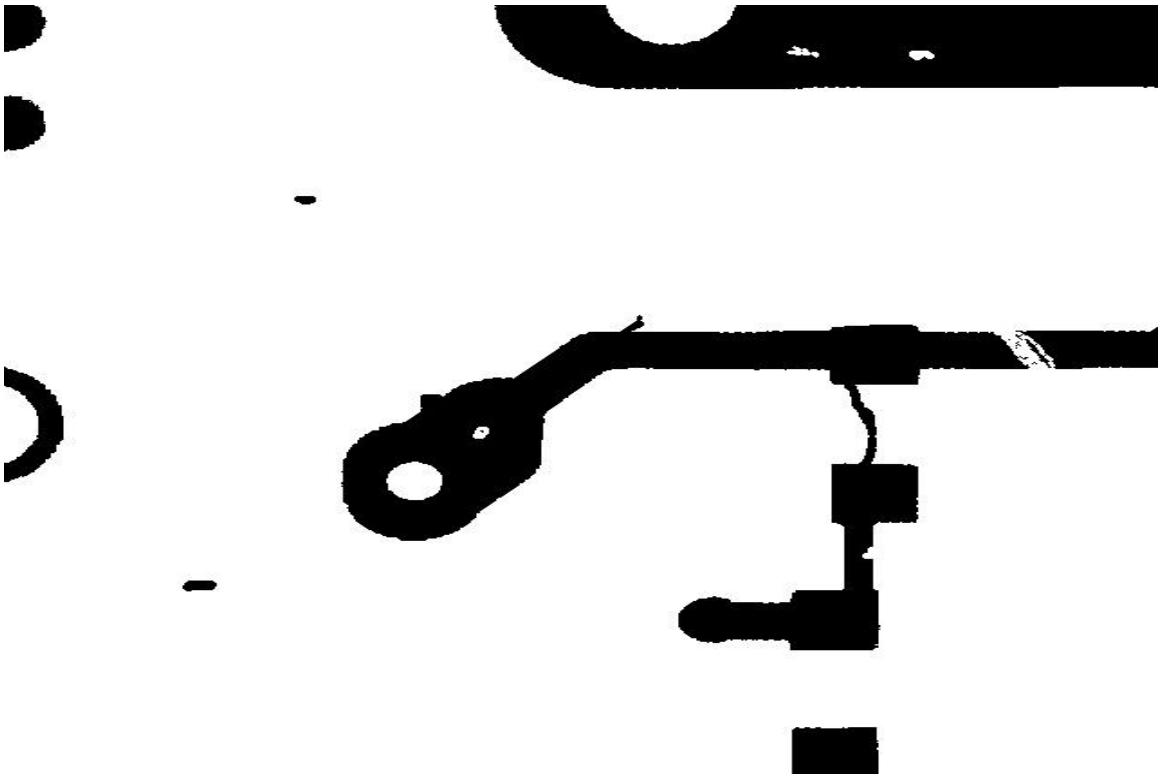
Defect Distribution

No Defects

Spatial Distribution & Confidence

No Defects to plot

No Confidence Data

Annotated PCB & Defect Table

No high-confidence defects detected.

Recommendations

Inspect high-confidence regions first. If too many false positives, increase min ROI area or confidence threshold.

Conclusion

Automated inspection completed in 0.31 seconds.