

PCB Defect Analysis Report

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Quality Status	PASS
Severity Score	100/100

Executive Summary

High density of major defects including track breaks and severe pad damage.

Conclusion

PCB is not suitable for deployment, requires full rework or replacement.

Key Metrics

Metric	Value
Total Defects Found	29
Average Confidence	33.79%
Area Affected	56.48%
Defect Density	0.0708 per 1000px ²
Defect-Free Area	43.524169921875%
Confidence Level	Low
PCB Dimensions	640 × 640 px

Defect Type Distribution

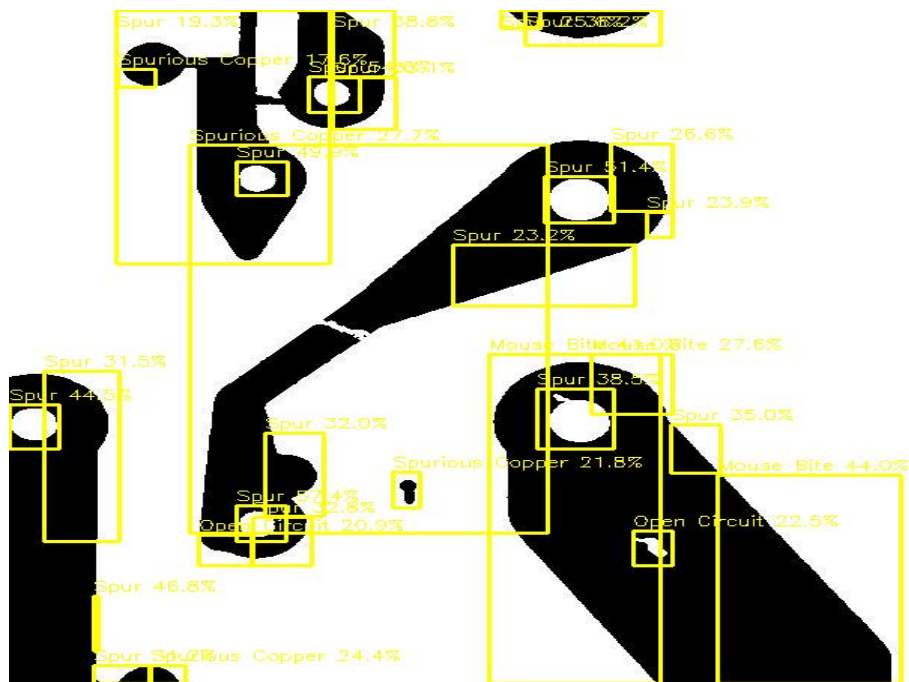
Defect Type	Count
Spurious Copper	4
Spur	20
Open Circuit	2
Mouse Bite	3

Detailed Defect Breakdown

ID	Type	Confidence	Area (px²)	Severity
#1	Spurious Copper	24.45%	391	Medium
#2	Spur	31.2%	629	Medium
#3	Spur	46.85%	156	Medium
#4	Open Circuit	20.91%	1015	Medium
#5	Open Circuit	22.47%	858	Medium
#6	Spur	32.78%	1794	Medium
#7	Spur	57.42%	1122	Medium
#8	Mouse Bite	43.98%	24156	Medium
#9	Spurious Copper	21.83%	612	Medium
#10	Spur	31.98%	3081	Medium
#11	Spur	35.05%	1518	Medium
#12	Spur	44.51%	1386	Medium
#13	Spur	38.51%	2907	Medium
#14	Spur	31.52%	8100	Medium
#15	Mouse Bite	27.57%	3078	Medium
#16	Mouse Bite	40.98%	35682	Medium
#17	Spur	23.23%	7018	Medium
#18	Spur	23.9%	408	Medium
#19	Spur	51.36%	2024	Medium
#20	Spur	49.92%	1088	Medium

Visual Analysis

Annotated Result



Difference Map

