

PCB INSPECTION REPORT

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INSPECTION SUMMARY

Metric	Value
Total Defects Detected	5
Processing Time	1.23 seconds
Feature Matches Found	150
RANSAC Inliers	120
Alignment Quality	80.0%

DEFECT DISTRIBUTION

Defect Type	Count	Percentage
no_defect	0	0.0%
solder_bridging	3	60.0%
component_missing	1	20.0%
misalignment	1	20.0%

DETAILED DEFECT INFORMATION

Defect #1

Property	Value
Defect Type	solder_bridging
Confidence Score	92.0%
Location (x, y)	(123, 456)
Defect Area	230 pixels ²
Bounding Box	x:110, y:440, w:26, h:32

Defect #2

Property	Value
Defect Type	component_missing
Confidence Score	88.0%
Location (x, y)	(50, 80)
Defect Area	180 pixels ²
Bounding Box	x:40, y:70, w:20, h:30

Defect #3

Property	Value
Defect Type	misalignment
Confidence Score	75.0%
Location (x, y)	(200, 120)
Defect Area	95 pixels ²
Bounding Box	x:195, y:110, w:18, h:16

Defect #4

Property	Value
Defect Type	solder_bridging
Confidence Score	67.0%
Location (x, y)	(300, 240)
Defect Area	120 pixels ²
Bounding Box	x:295, y:235, w:12, h:18

Defect #5

Property	Value
Defect Type	solder_bridging
Confidence Score	55.0%
Location (x, y)	(400, 320)
Defect Area	60 pixels ²
Bounding Box	x:395, y:315, w:10, h:12

Report generated by CircuitGuard-PCB System