

PCB Defect Detection Report

Similarity: 96.49%

Grade: A

Defects Found:

- copper at (79, 459) to (138, 508)
- mousebite at (456, 432) to (502, 481)
- pin-hole at (240, 331) to (289, 381)
- protrusion at (211, 304) to (263, 355)
- short at (447, 297) to (504, 402)
- open at (530, 251) to (599, 324)
- protrusion at (324, 239) to (375, 292)
- mousebite at (141, 139) to (193, 186)
- pin-hole at (482, 18) to (536, 66)
- pin-hole at (415, 16) to (472, 63)

Feedback:

1 open(s) detected.
Defect Type: Open Circuit
Impact: Electrical connectivity issues.
Solution: Check for broken traces or disconnects.

1 short(s) detected.
Defect Type: Short Circuit
Impact: Excessive current flow, potential overheating.
Solution: Inspect for unintended connections between traces.

2 mousebite(s) detected.
Defect Type: Mousebite
Impact: Possible leak paths.
Solution: Verify that all vias are properly filled and sealed.

2 protrusion(s) detected.
Defect Type: Protrusion
Impact: Signal degradation.
Solution: Remove or reduce the length of spurs using a PCB editor.

1 copper(s) detected.
Defect Type: Copper Puddles
Impact: Insulation issues.
Solution: Ensure proper etching and copper deposition processes.

3 pin-hole(s) detected.
Defect Type: Pin-hole
Impact: Weak solder joints.
Solution:

Improve surface finish and soldering techniques.