

PCB Design Practice Test Questions and Answers

1. What does PCB stand for in electronics?

- A) Personal Computer Board
- B) Printed Circuit Board
- C) Primary Control Bus
- D) Programmable Circuit Base

2. Which layer is typically used for ground planes in multilayer PCB design?

- A) Top copper layer only
- B) Internal copper layers
- C) Silkscreen layer
- D) Solder mask layer

3. What is the standard thickness for most PCB substrates?

- A) 0.8mm
- B) 1.6mm
- C) 2.4mm
- D) 3.2mm

4. Which design rule is most critical for high-frequency PCB layouts?

- A) Component placement density
- B) Trace impedance control and length matching
- C) Solder mask color
- D) Via size standardization

Answers: 1-B 2-B 3-B 4-B

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