



Electronic Project Design and Fabrication (6th Edition)

By Reis, Ronald A.

Prentice Hall, 2004. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: I. PROJECT DESIGN AND FABRICATION. 1. An Overview-Making It in Electronics. 2. Safety-It's Your Life. 3. The Design Process-An Idea Is Born. 4. Drawings-Show Me a Plan. 5. Technical Writing-Telling It Like It Is. 6. Experimenting-Breadboarding to Prove Out the Design. 7. Prototyping-Printed Circuit Board Design. 8. Prototyping-Printed Circuit Board Fabrication. 9. Prototyping-Final Assembly and Project Packaging. 10. Testing, Troubleshooting, and Final Documentation-The Moment of Truth. 11. Computer-Aided Design (CAD) and the Project Design Process. II. PROJECT DESIGN AND FABRICATION USING SURFACE MOUNT TECHNOLOGY. 12. Introduction to Surface Mount Technology. 13. Project Design and Fabrication Using Surface Mount Technology. 14. SMT Rework-Removal and Replacement of Surface Mount Devices. III. STUDENT CONSTRUCTION PROJECTS. 15. Sample Project Report/Variable Power Supply. 16. Exercise Project Report/3-Channel Color Organ. 17. Concepts and Requirements Documents and Three-Drawing Set/Elective Projects. APPENDIXES. A: Electronics Safety Test. B: Sheet Metal Layouts. C: Adding a Voltmeter to the Variable Power Supply Project. D: Active Component Outline Drawings. E: Surface Mount Technology Projects. F: Surface Mount Technology Sources. G: Books and Magazines. H: Five-Band Resistor Color Codes. I: Schematic Capture and Drawing Program Sources....



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