

Mechanical Drawing: Board & CAD Techniques

Chapter 20 Electricity/Electronics Drafting

Chapter Summaries

Section 20.1 Types of Electrical and Electronic Diagrams

- A series circuit is drawn to show the current flowing from the source through each load sequentially; a parallel circuit is drawn to indicate that the current can flow through more than one path simultaneously; and a series-parallel circuit allows many different arrangements with both series and parallel components.
- Schematic diagrams show how a circuit is connected and what it does; functional block diagrams show the relationships between a circuit's components or stages.

Section 20.2 Drawing Electrical and Electronic Diagrams

- The type of lines used in making electrical/electronics diagrams should be chosen carefully.
- CAD drafters generally use symbol libraries to produce circuit diagrams.