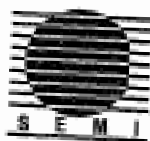
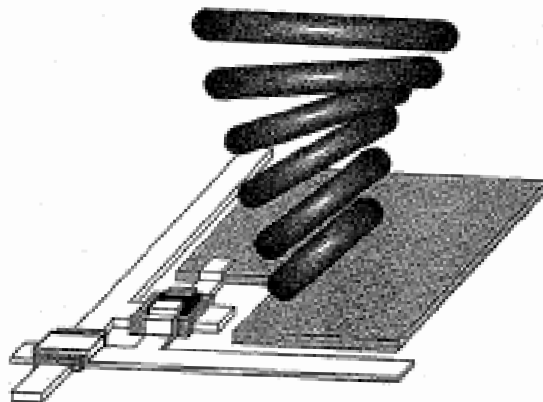


COLOR TFT LIQUID CRYSTAL DISPLAYS

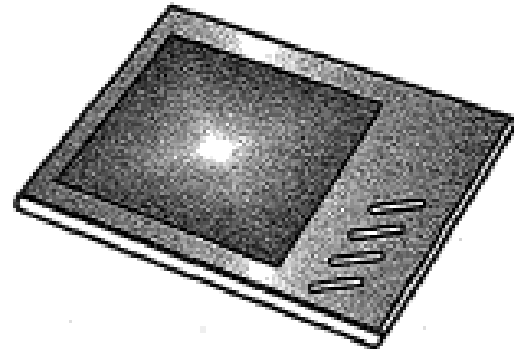
SUPERVISED BY

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CHAPTER 1

THE WORLD OF COLOR TFT LIQUID CRYSTAL DISPLAYS

1.1 CURRENT STATUS OF COLOR TFT LCDS

1.1.1 A Wealth of Applications

Color TFT LCDs are turning up everywhere these days. The color TFT display, a light, slender display, with a beautiful image that does not tire the eyes even when viewed for hours at a time, is finding its way into many products, even in demanding environments, like the dashboard of a car. Because the color TFT display is an LCD (liquid crystal display) panel incorporating thin film transistors, it can reproduce a wider range of colors than can competing technologies. The color TFT shows extremely uniform brightness, with no color degradation or distortion, even in the corners of the screen.

As shown in Figure 1.1, specific applications with significant growth potential for the color TFT, include portable computers, desktop computers, audio visual equipment, automotive navigation systems, game