

# Chapter 1

## Figures

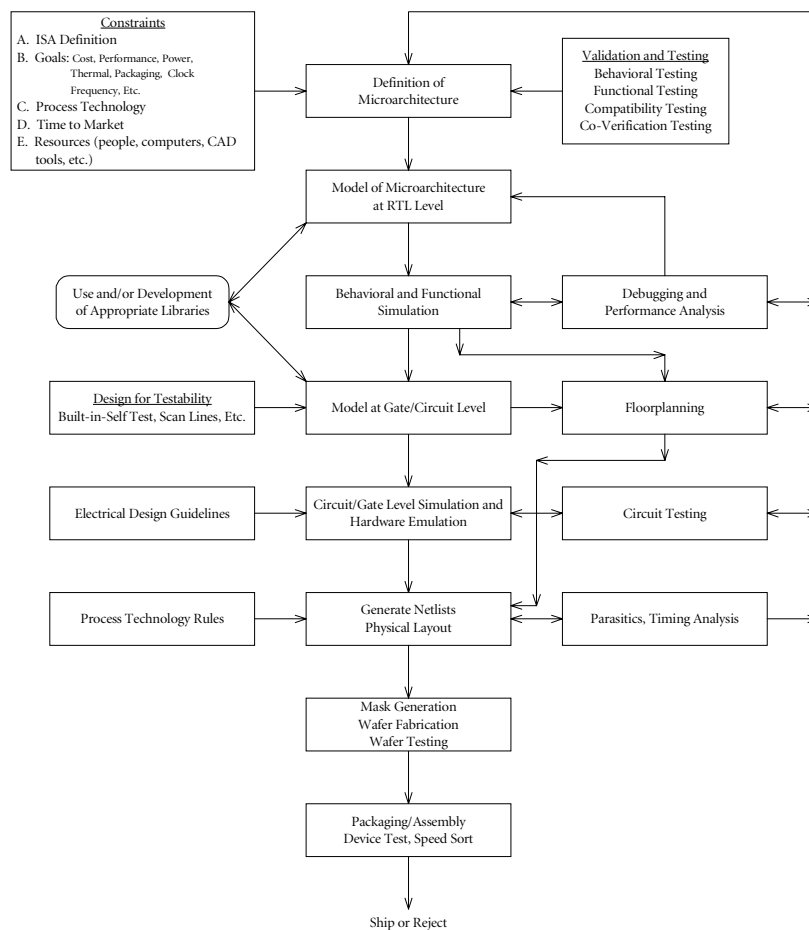
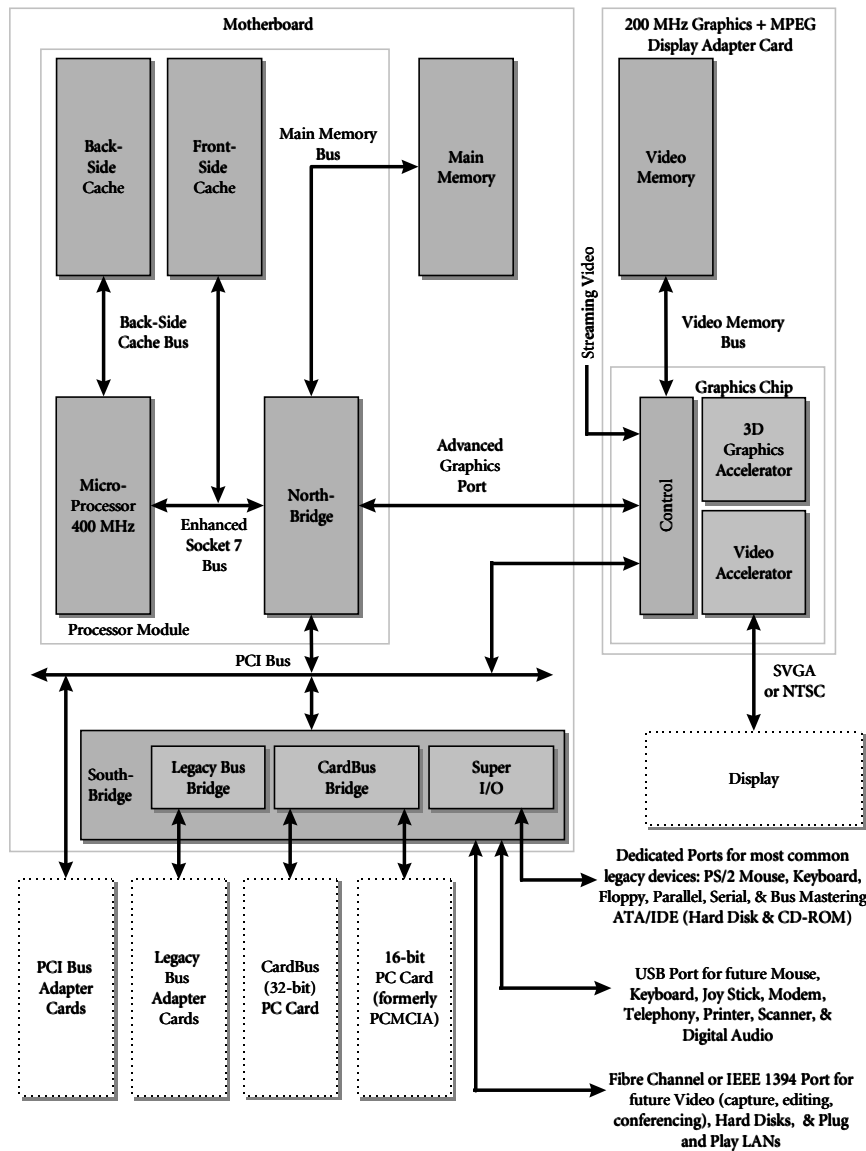
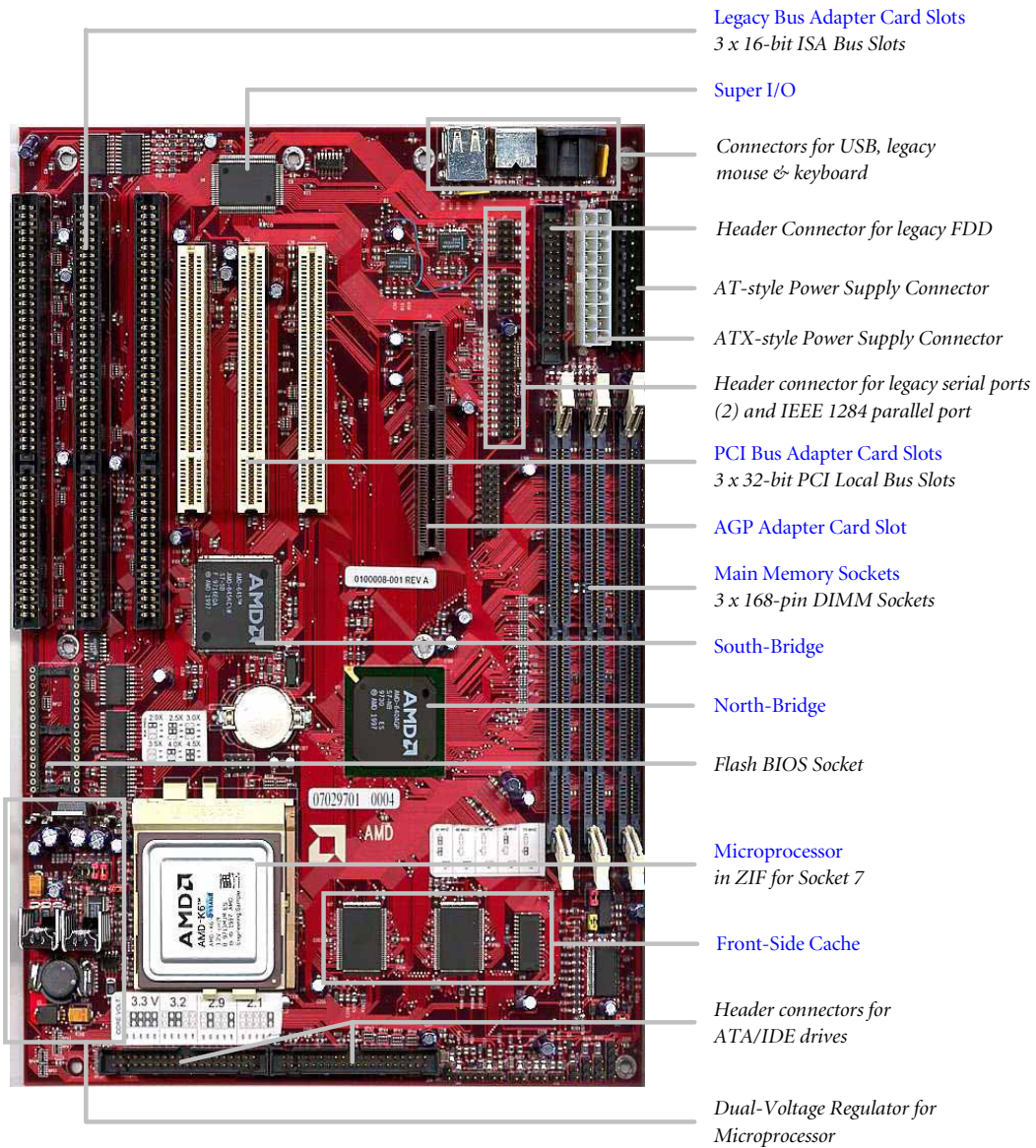


Figure 1.1 DESIGN PROCESS



This is a conceptual block diagram of a PC graphics platform for the 1998-1999 time frame. A front-side or back-side cache is generally present on the processor module. Connection to the Display Adapter Card is made via either the Advanced Graphics Port or the PCI Bus. PC Cards are generally found in laptop platforms and not in desktop or server platforms. Conversely, PCI Bus and legacy bus adapter cards are generally found in desktop or server platforms and not in laptops.

**Figure 1.2** 3D GRAPHICS PC PLATFORM



**Figure 1.3** PHOTOGRAPH OF A 3D GRAPHICS MOTHERBOARD

a. Board Courtesy of Advanced Micro Devices Inc., photo by Smith.

We have printed those features that closely correspond to features shown in Figure 1.2 in regular typeface (but with color accent on the CD-ROM), while new features, or additional feature details, are annotated in *italics* (and without color accent on the CD-ROM). The microprocessor, front-side cache, and North-Bridge, are implemented directly on the motherboard.