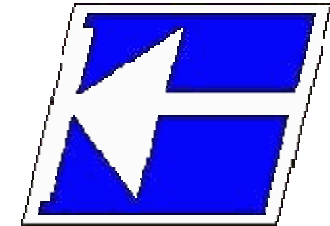


Centro Federal de Educação Tecnológica de Santa Catarina
Departamento de Eletrônica
Desenho Técnico



Introdução ao Proteus

Clóvis Antônio Petry, professor.

Florianópolis, setembro de 2007.

Desenvolvedor do Proteus

<http://www.labcenter.co.uk/>

Labcenter Electronics - Internet Explorer provided by Dell

http://www.labcenter.co.uk/

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Labcenter Electronics

...the home of PROTEUS

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Proteus VSM

Co-simulation of microprocessor software within a mixed mode SPICE simulator.

- Available for PIC, 8051, AVR, HC11, ARM7/LPC2000 and Basic Stamp processors.
- See your code interact with simulated hardware in real-time.
- Interactive peripheral models for displays, keypads, etc.
- Over 8000 analogue and digital device models.
- Extensive single step and debugging facilities including system wide diagnostics.
- Works with popular compilers and assemblers.

CCS Keil IAR HI-TECH
Image Craft BYTE CRAFT MICROCHIP Proton HP InfoTech

Proteus PCB Design

Professional schematic capture and PCB

Latest...

Join the Support Forums for Latest Product News

Proteus Design Suite 7.2

Latest Releases

Register on our Support Forum for News of the Latest Software Releases.

Magazine Review

Proteus VSM is highly recommended for designers frequently working on circuits containing digital as well as analogue electronics.

Elektor Electronics Review

Done

Internet | Protected Mode: On

100%

Proteus no Youtube

The image shows two overlapping screenshots of a YouTube page from an Internet Explorer browser. The top screenshot displays search results for 'proteus + simulator'. The bottom screenshot shows a video player for a specific video.

Search Results (Top Screenshot):

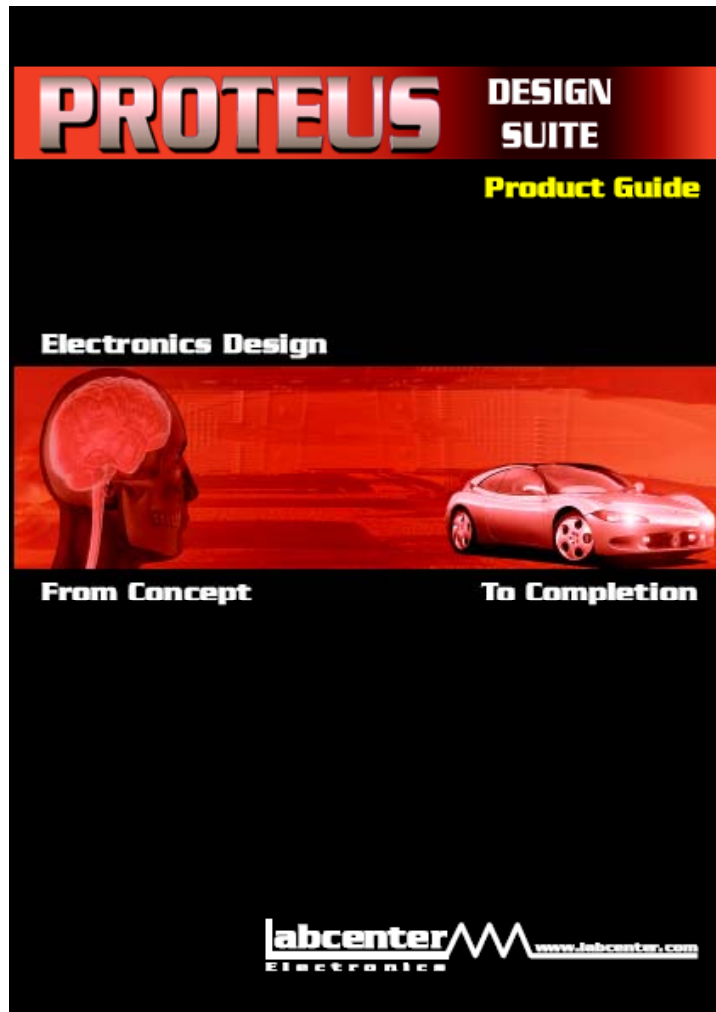
- Search query: proteus + simulator
- Results: 1 - 2 de cerca de 2
- Classificar por: Relevância | Data da inclusão | Mais vistos | Avaliação
- Exibir: [Grid view icon]
- Result 1: **PIC16F84 Microcontroller and Stepper Motor in Proteus ISIS**
 - De: albertocottla
 - Exibições: 4495
 - Adicionado em: 8 meses atrás
 - Palavras-chave: UPPICSA IPN INGENIERIA INFORMATICA COMPUTER ENGINEERING
 - Duração: 00:13
- Result 2: **Electronic Lock with PIC Microcontroller**
 - De: albertocottla
 - Exibições: 5096
 - Adicionado em: 8 meses atrás
 - Palavras-chave: UPPICSA IPN INGENIERIA INFORMATICA COMPUTER ENGINEERING
 - Duração: 00:49

Video Player (Bottom Screenshot):

- Video title: **PIC16F84 Microcontroller and Stepper Motor in Proteus ISIS**
- Channel: albertocottla
- Exibições: 4495
- Adicionado em: 26 de dezembro de 2006
- URL: http://br.youtube.com/watch?v=hw13YYr5SsM
- Palavras-chave: UPPICSA INGENIERIA INFORMATICA COMPUTER ENGINEERING
- Descrição: The best software to simulate your el...
- Thumbnail: A circuit diagram showing a PIC16F84 microcontroller connected to a stepper motor and various components.
- Player controls: Play button, progress bar (00:02 / 00:13), volume, and full screen.

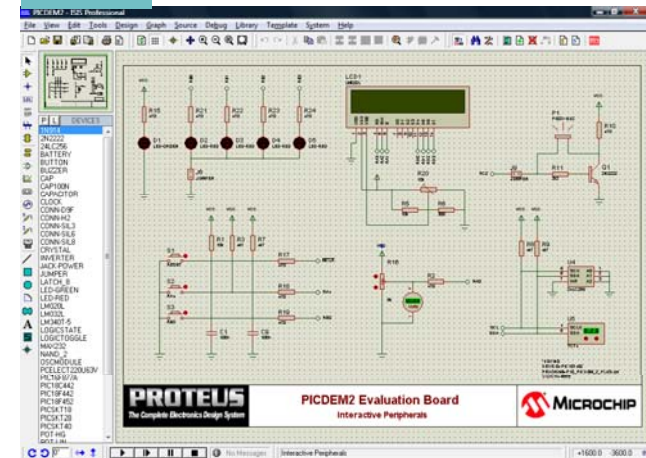
A large blue arrow points from the search results to the video player.

Uma visão rápida do Proteus

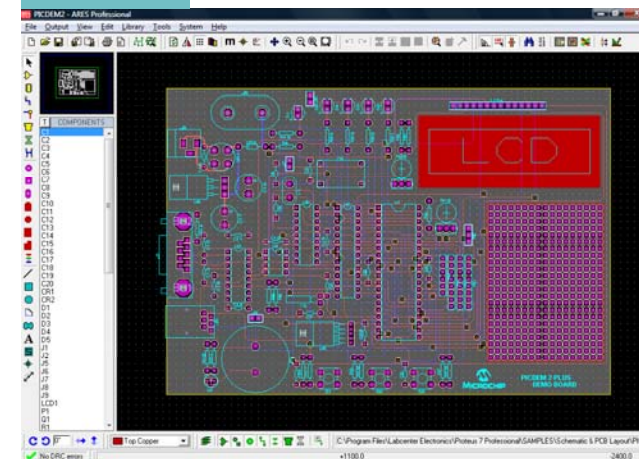


<http://www.labcenter.co.uk/>

ISIS

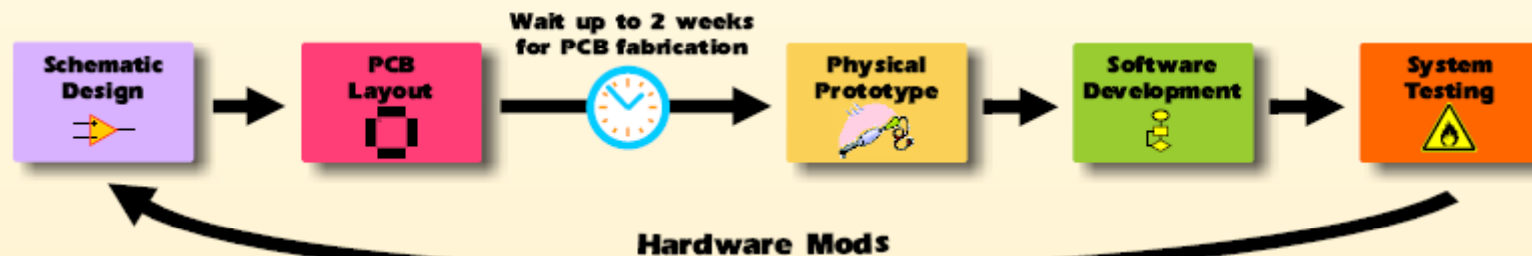


ARES



Uma visão rápida do Proteus

The VSM Advantage



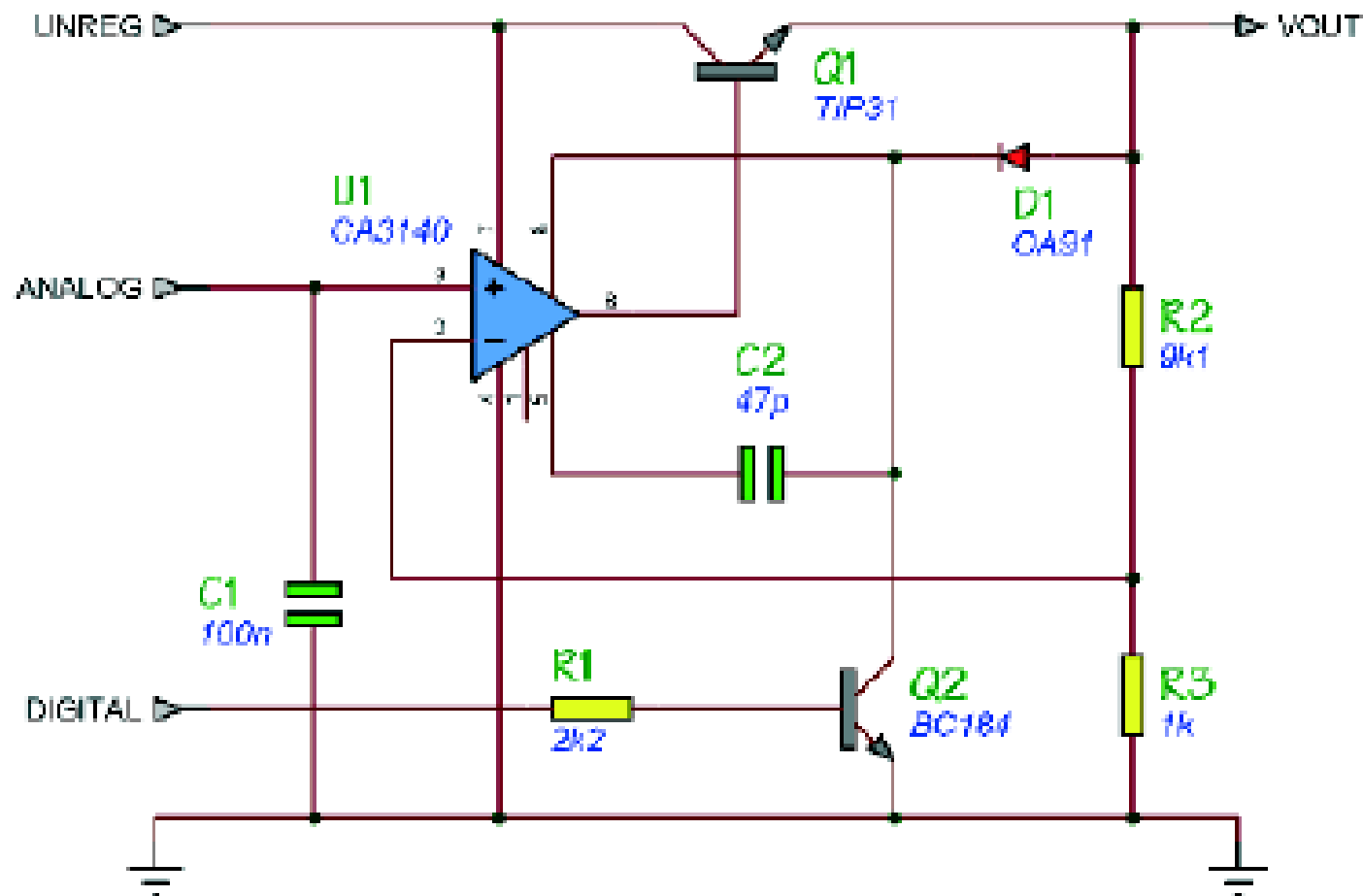
With traditional design tools, software development and system testing cannot begin until a PCB and physical prototype are available - incurring a delay of up to 2-3 weeks. And if something is wrong with the hardware design, the whole process must be repeated.



Using Proteus VSM, software development can begin as soon as the schematic is drawn, and the combination of hardware and software can be thoroughly tested before physical prototyping.

Uma visão rápida do Proteus

Esquemáticos de qualidade para publicações e impressões

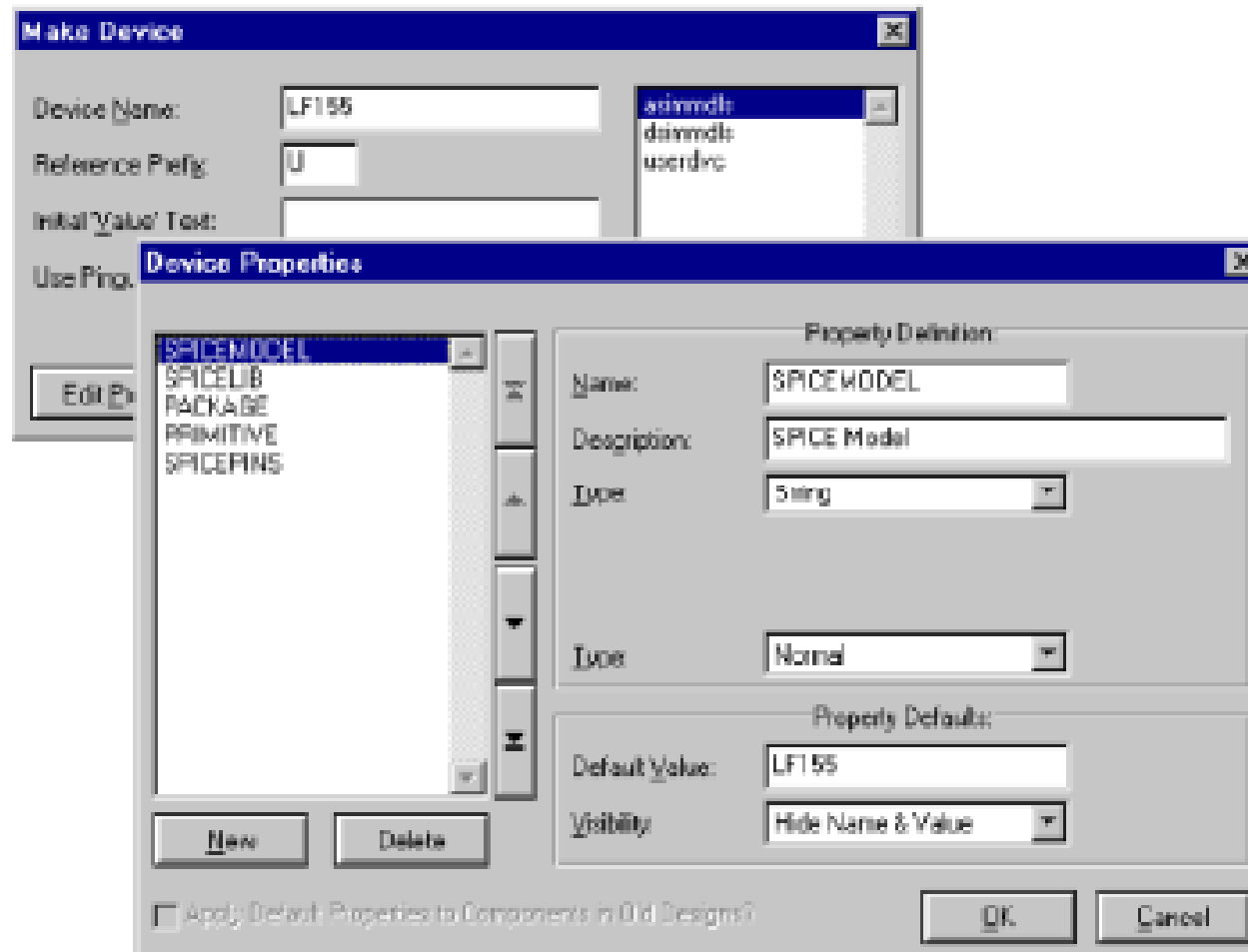


Visualização do encapsulamento do componente durante o desenho do esquemático



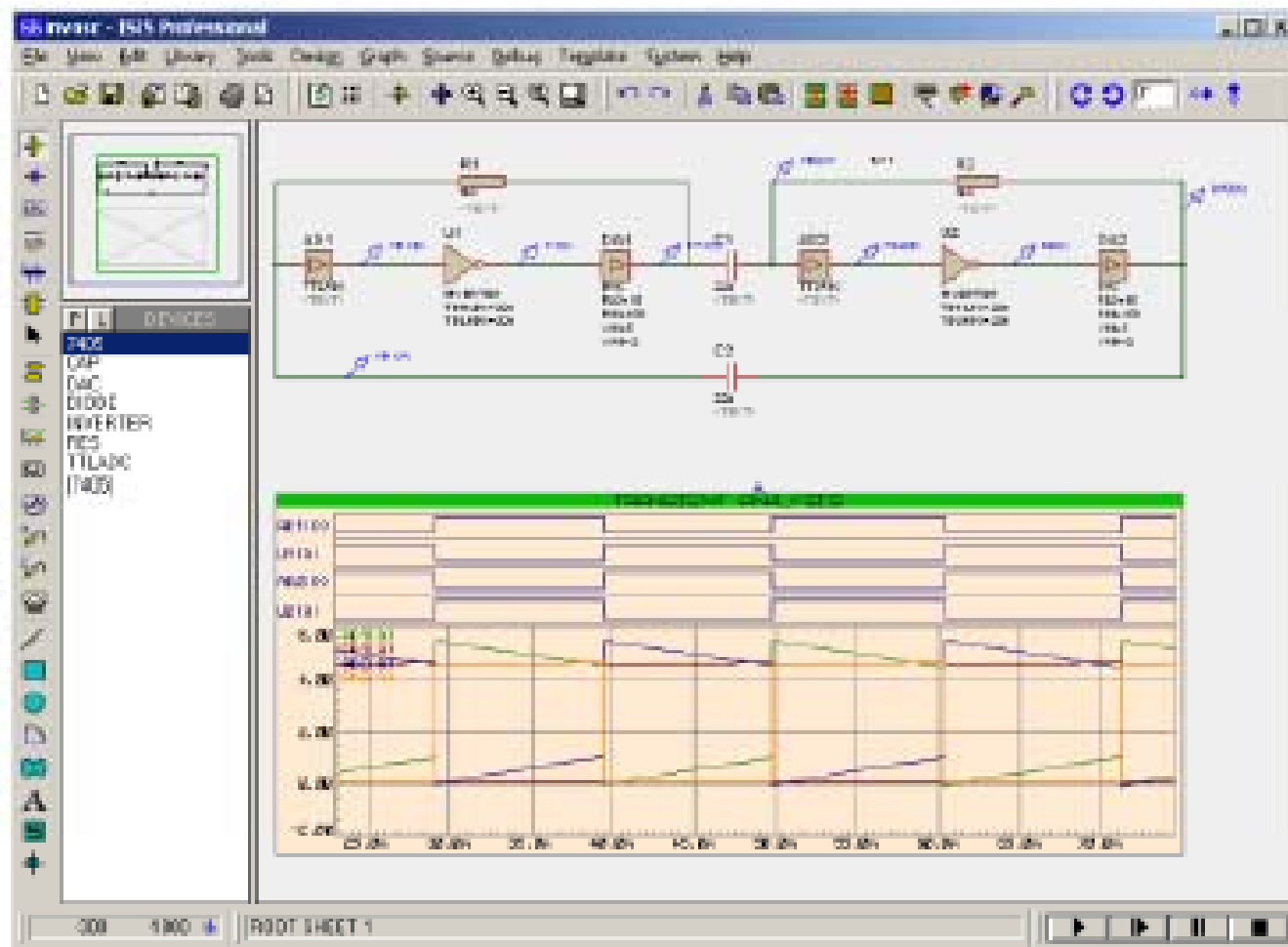
Uma visão rápida do Proteus

Possibilidade de alterar parâmetros de componentes



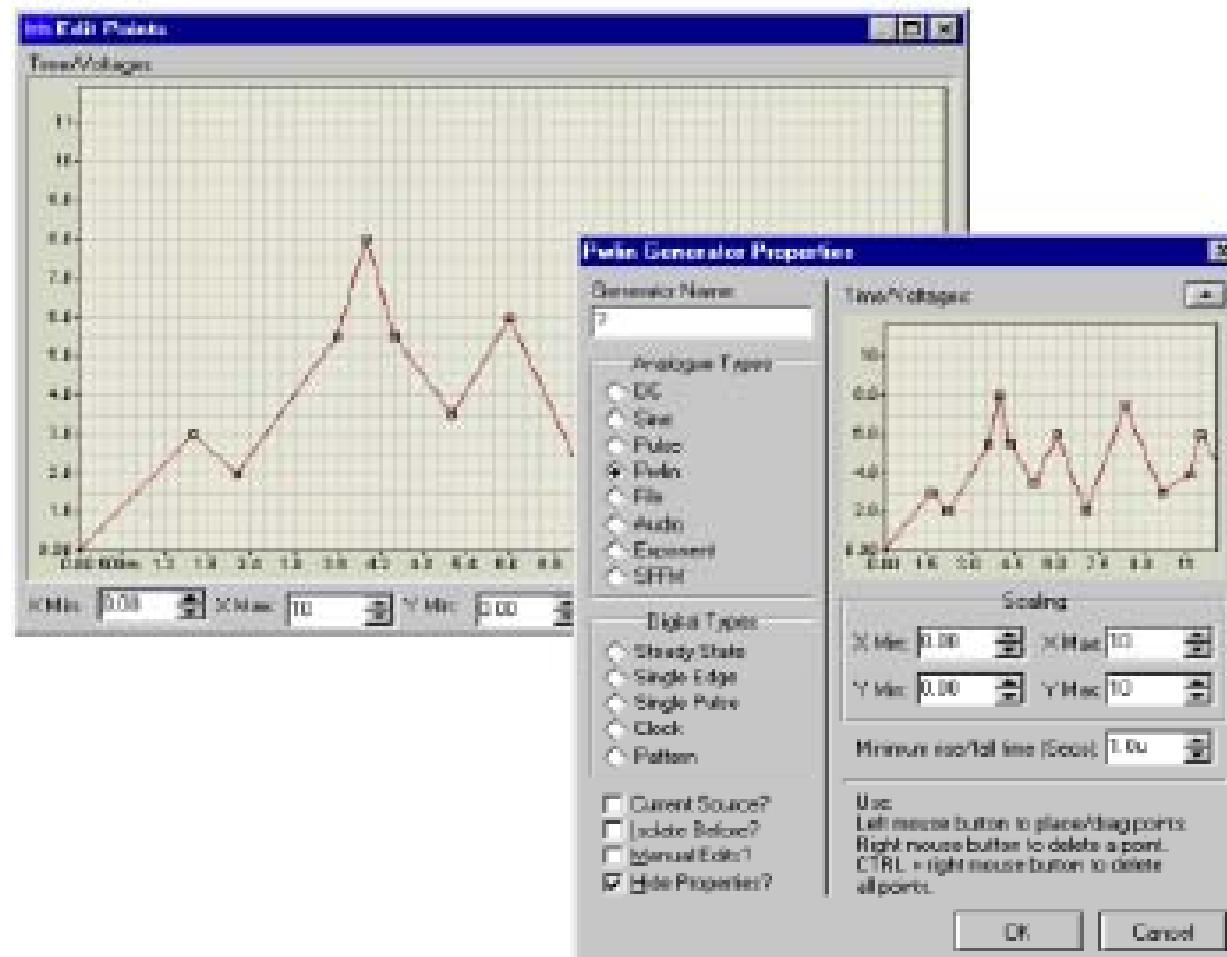
Uma visão rápida do Proteus

Simulação completa em apenas uma janela



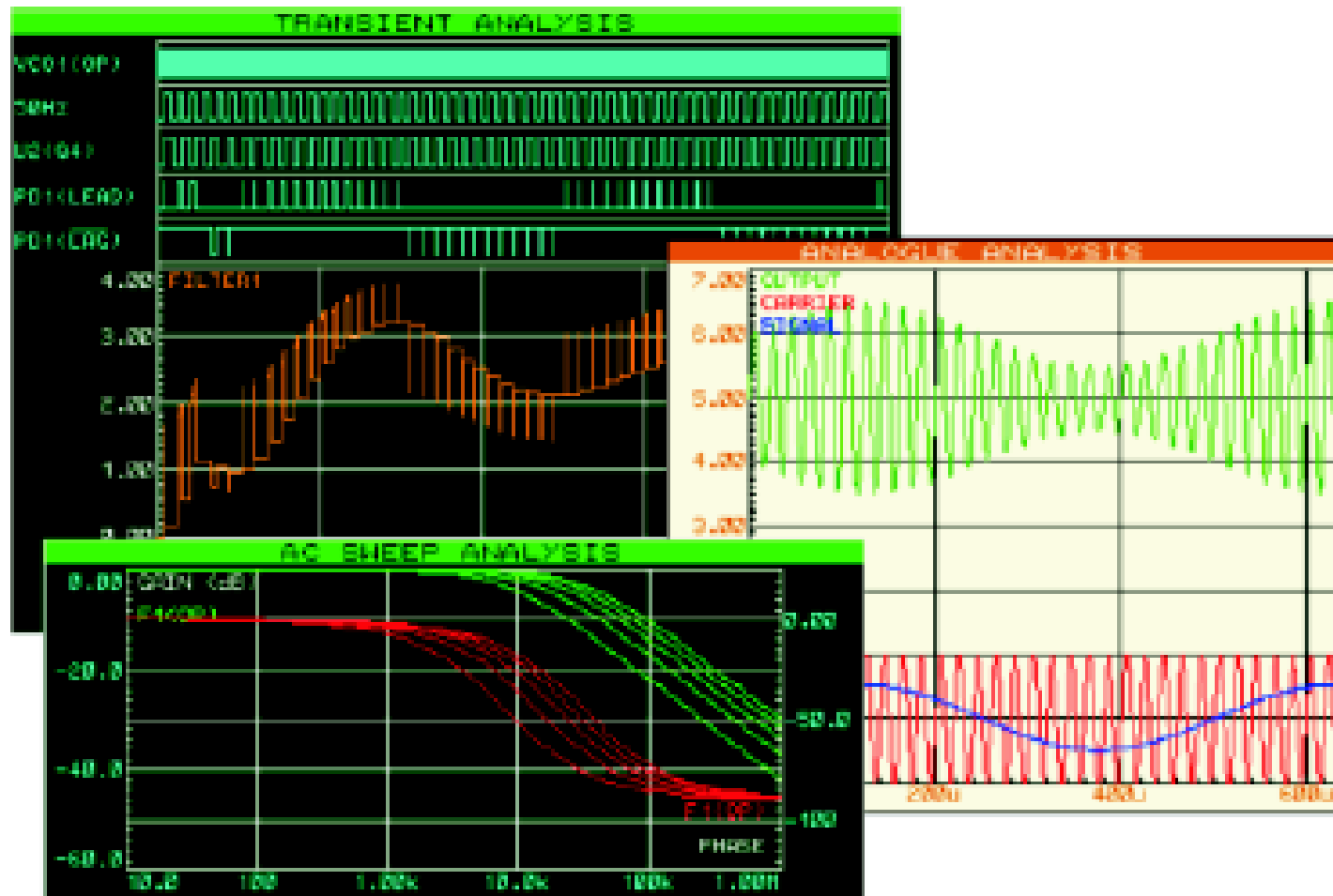
Uma visão rápida do Proteus

Núcleo de simulação do Pspice



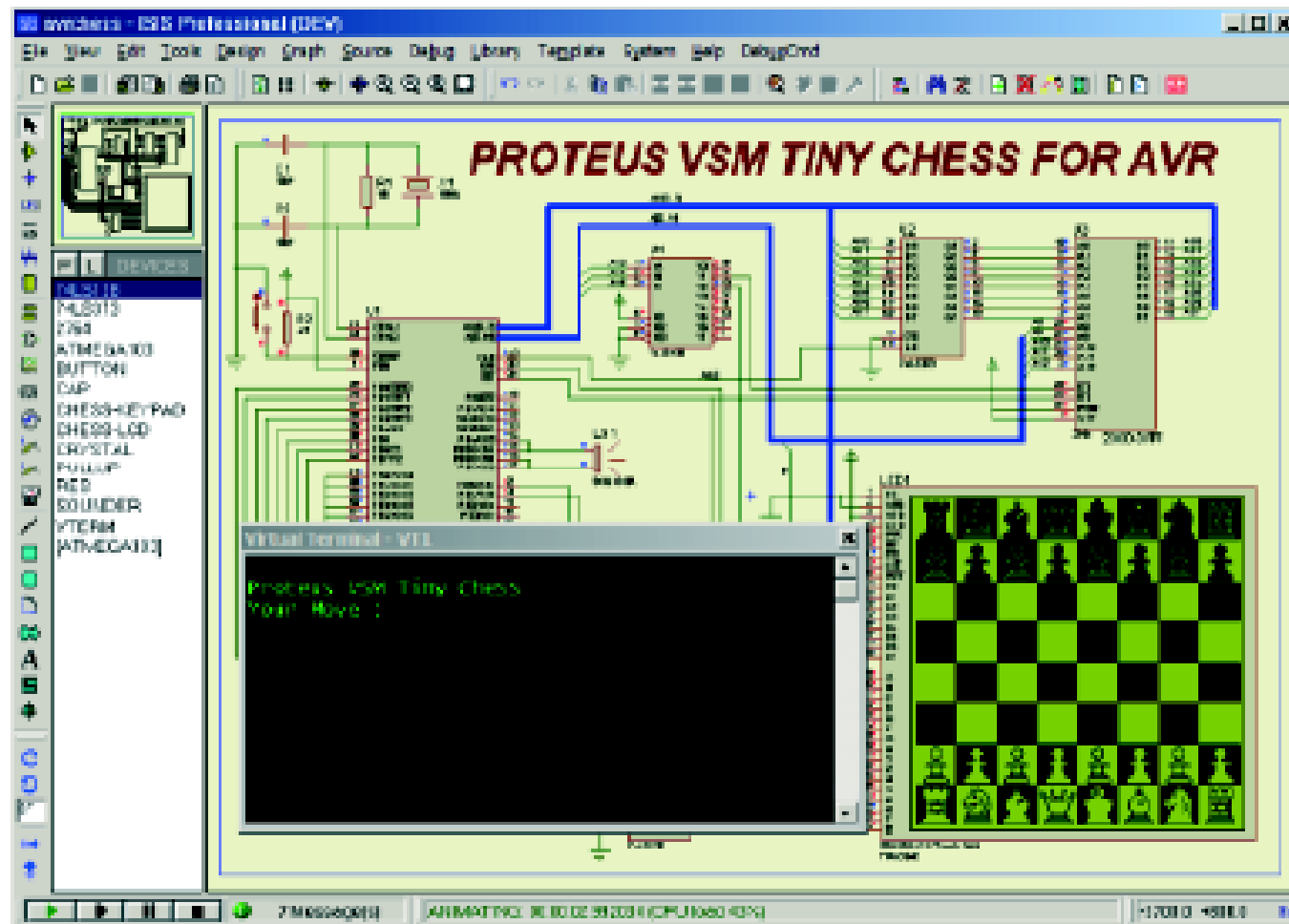
Uma visão rápida do Proteus

Simulação off-line para análise de formas de onda



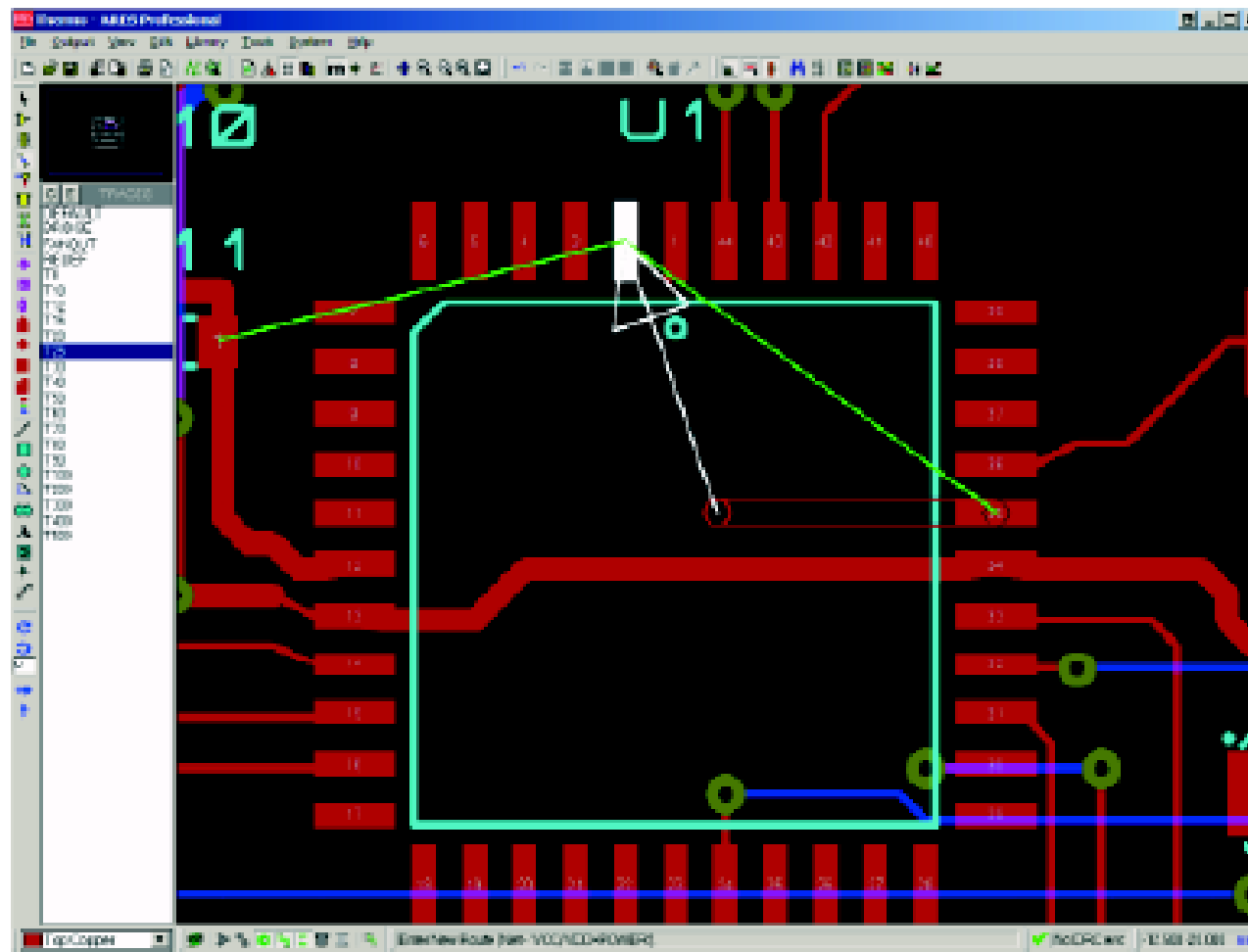
Uma visão rápida do Proteus

Simulação com código embarcado em microcontroladores



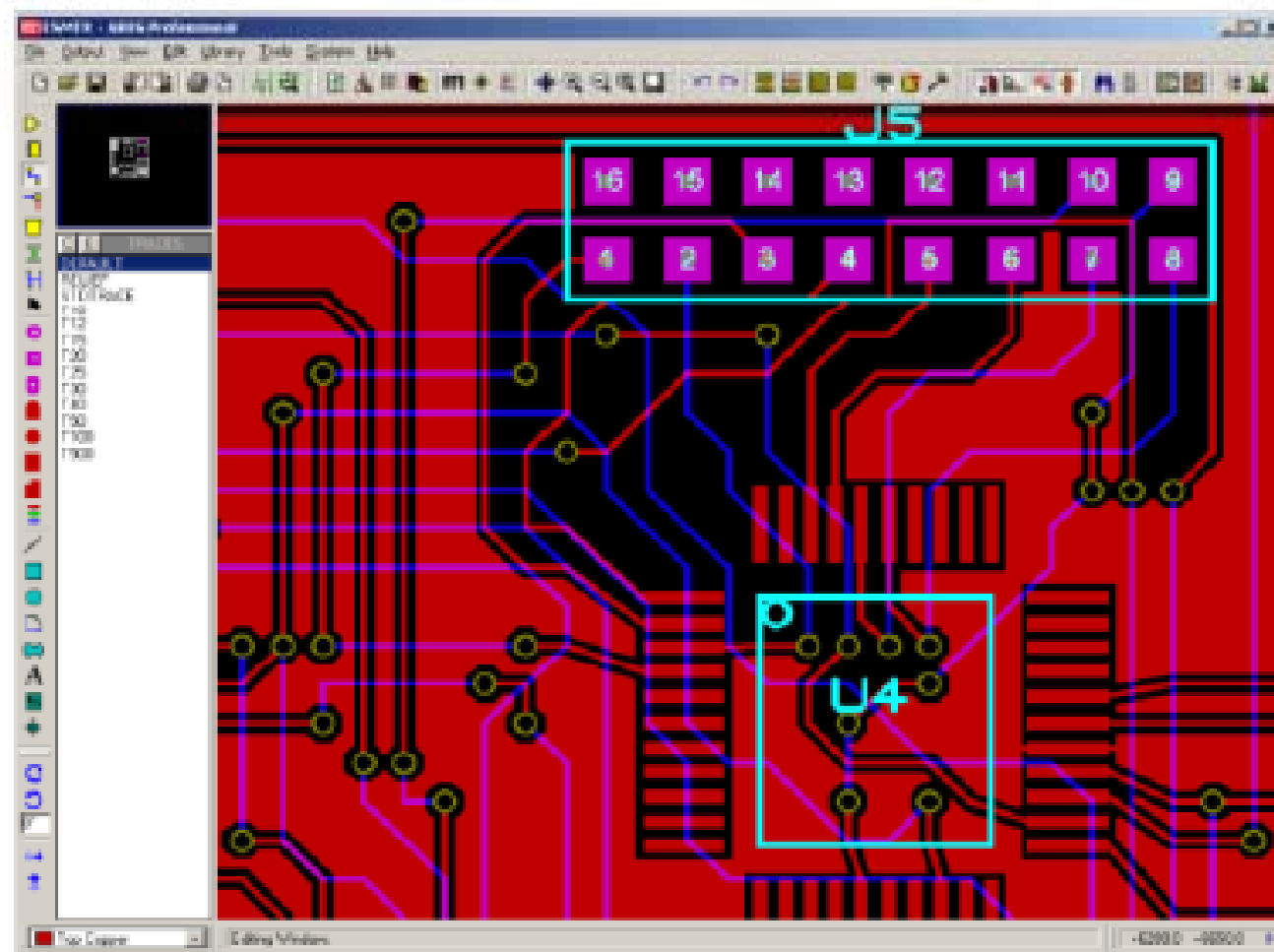
Uma visão rápida do Proteus

Roteamento automático para placas de circuito impresso



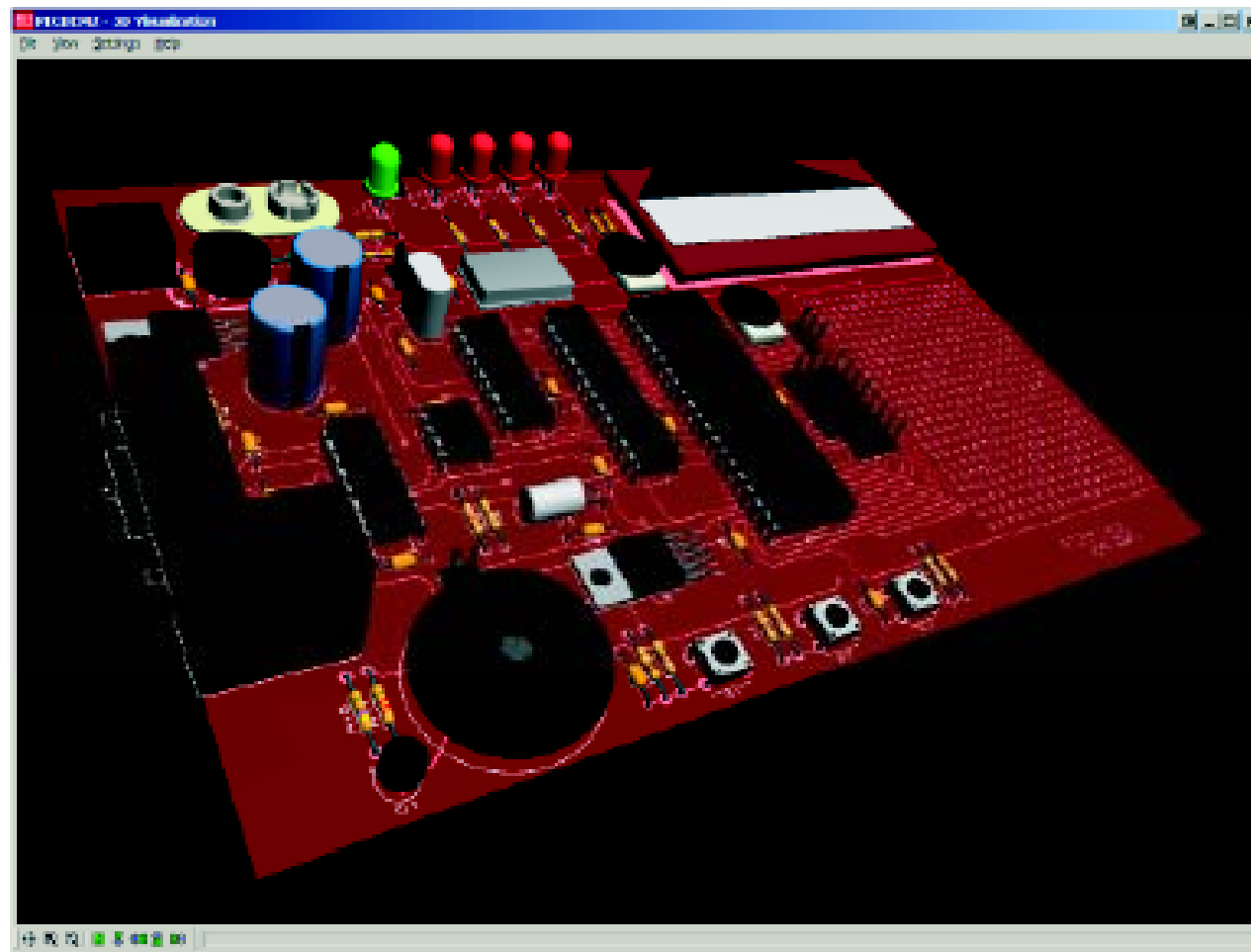
Uma visão rápida do Proteus

Trilhas de potência e malhas de terra



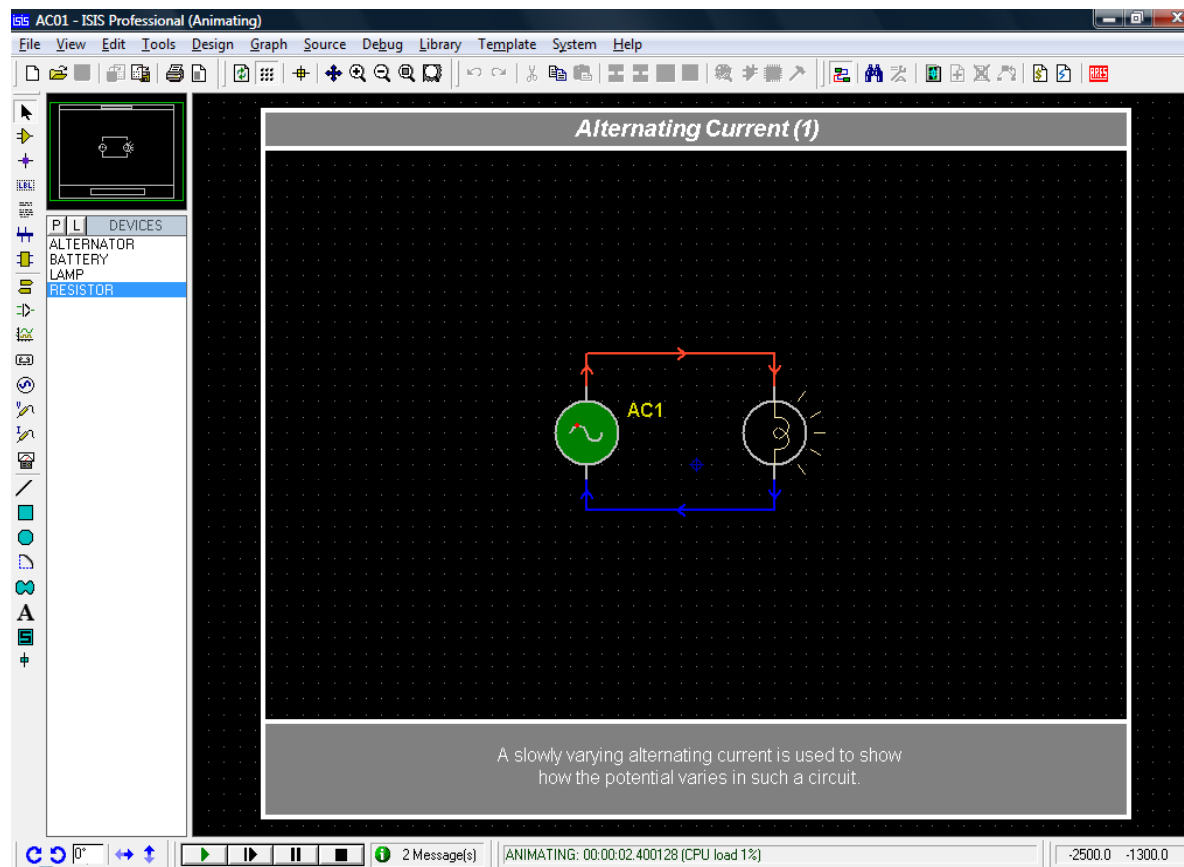
Uma visão rápida do Proteus

Visualização 3D da placa



Primeiro uso do Proteus

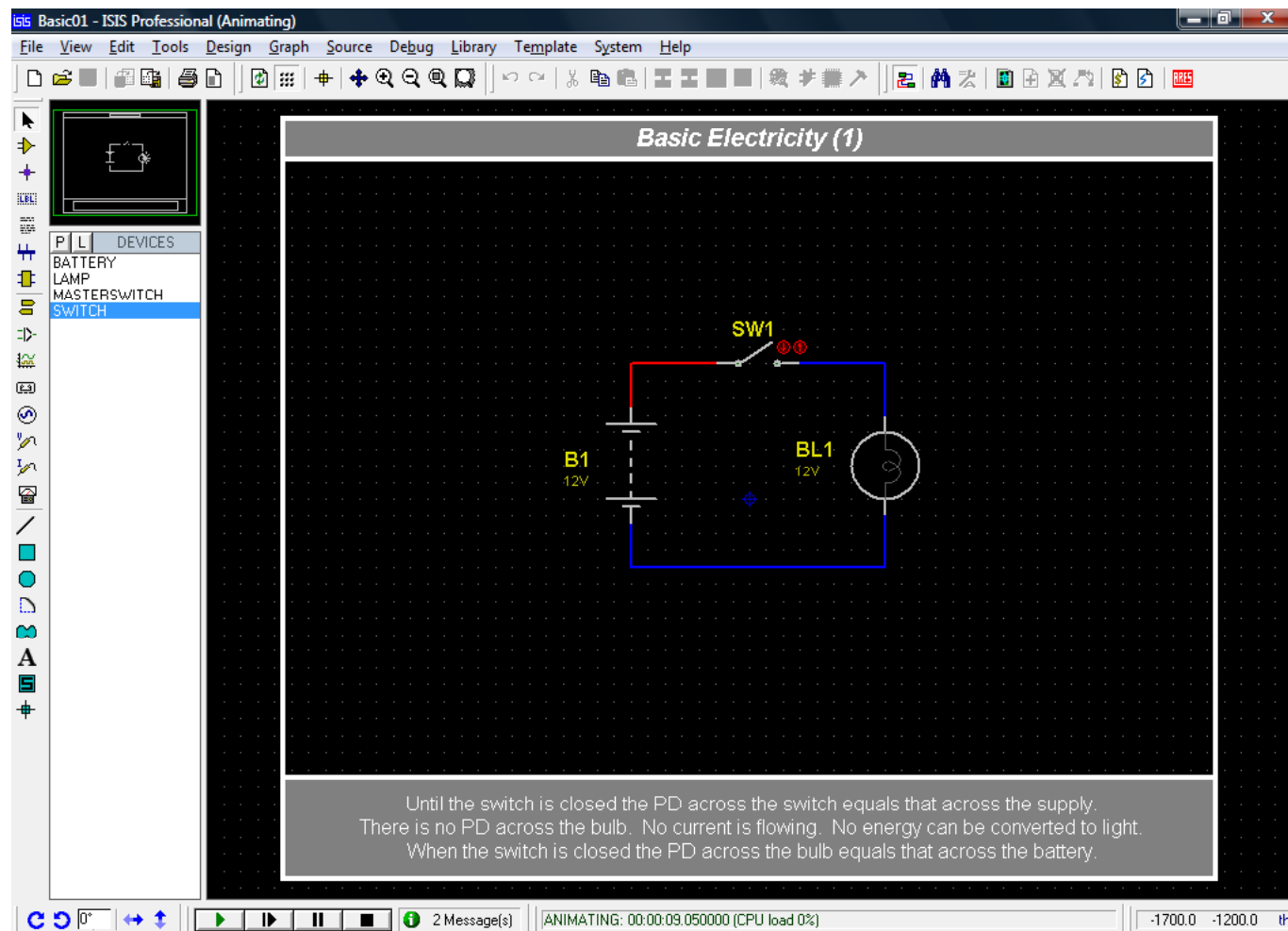
Circuito AC01 na pasta Interactive Simulation/Animated Circuits



Execute a simulação

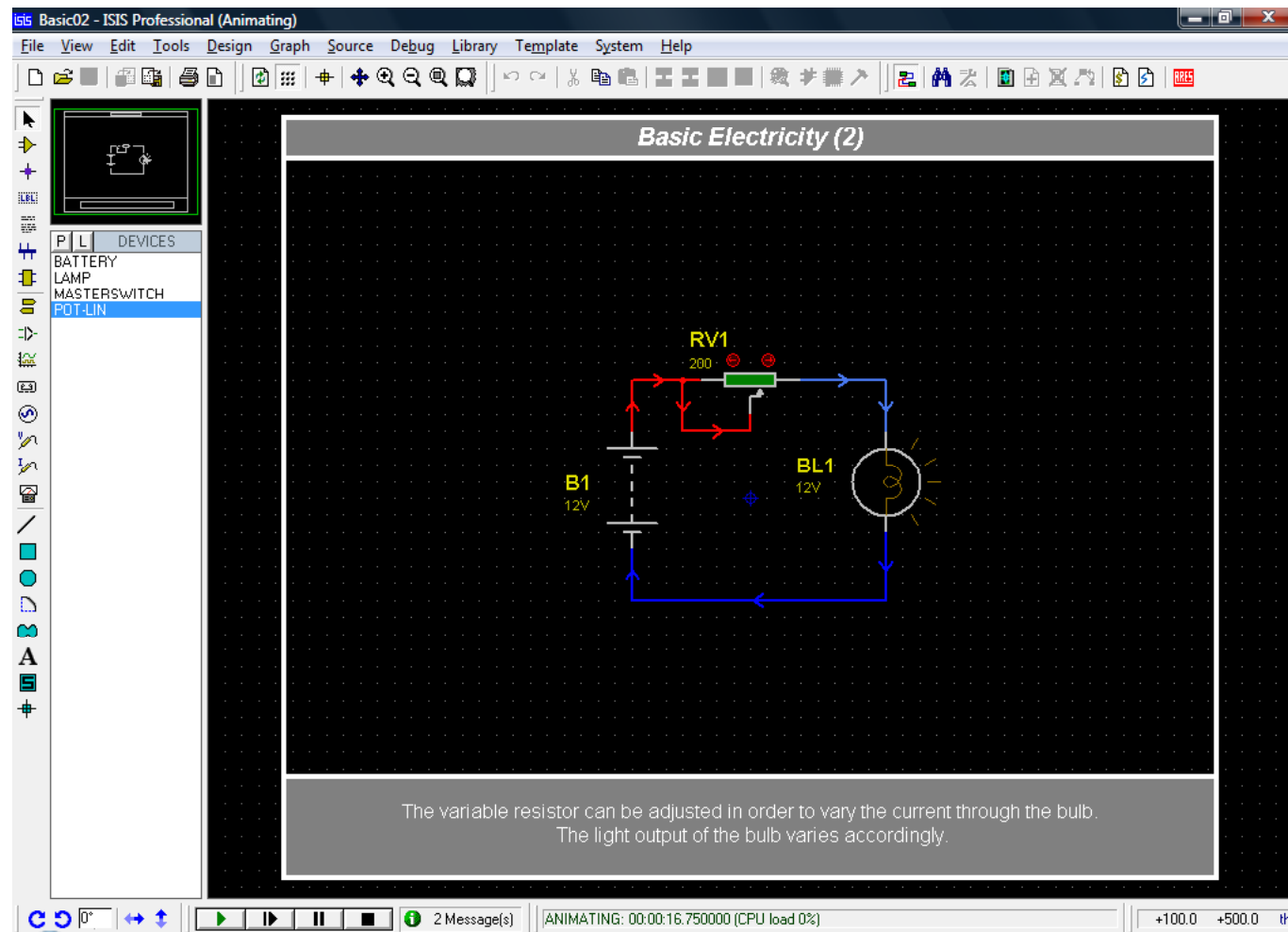
Primeiro uso do Proteus

Circuito Basic01 na pasta Interactive Simulation/Animated Circuits



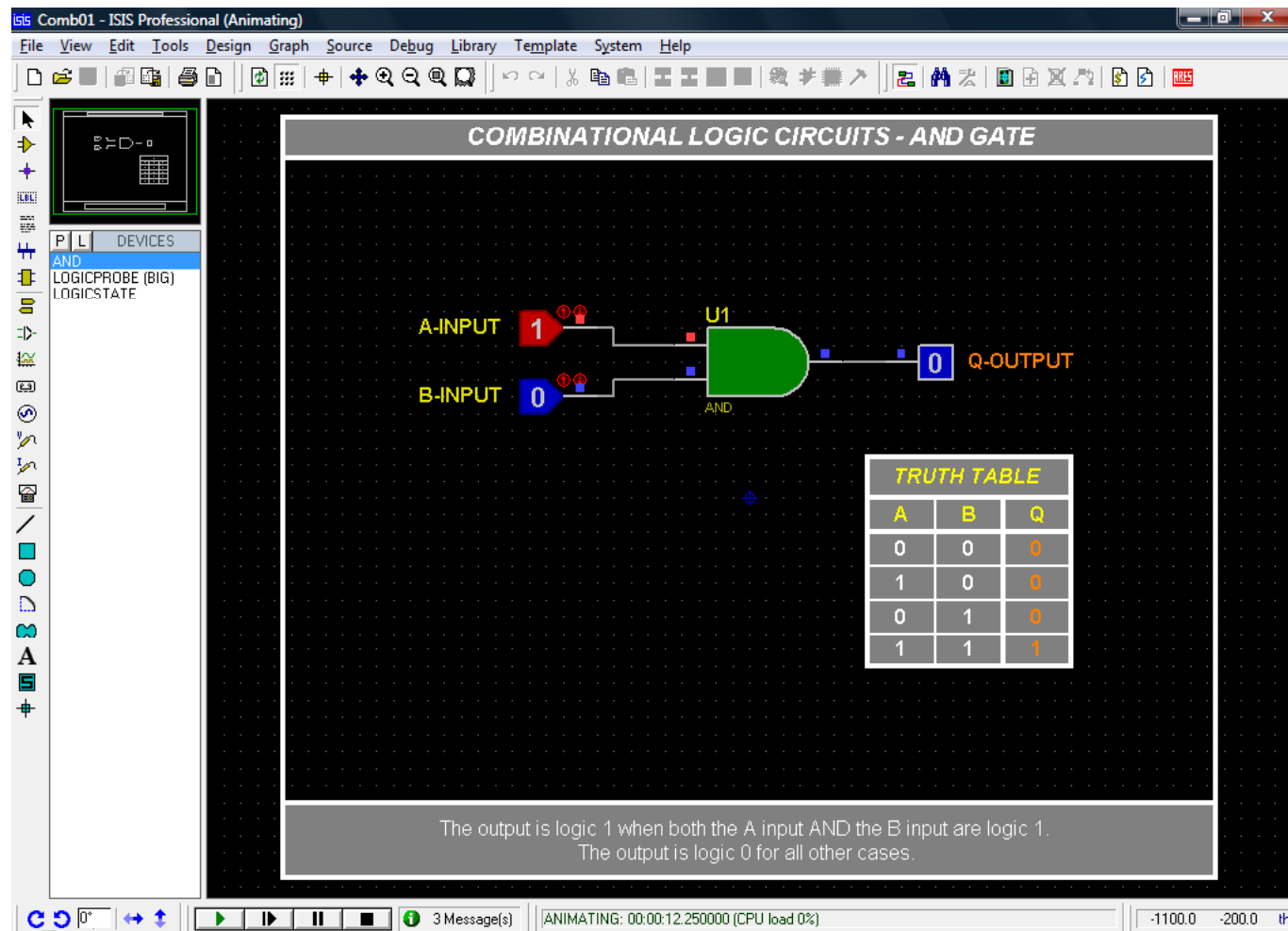
Primeiro uso do Proteus

Circuito Basic02 na pasta Interactive Simulation/Animated Circuits



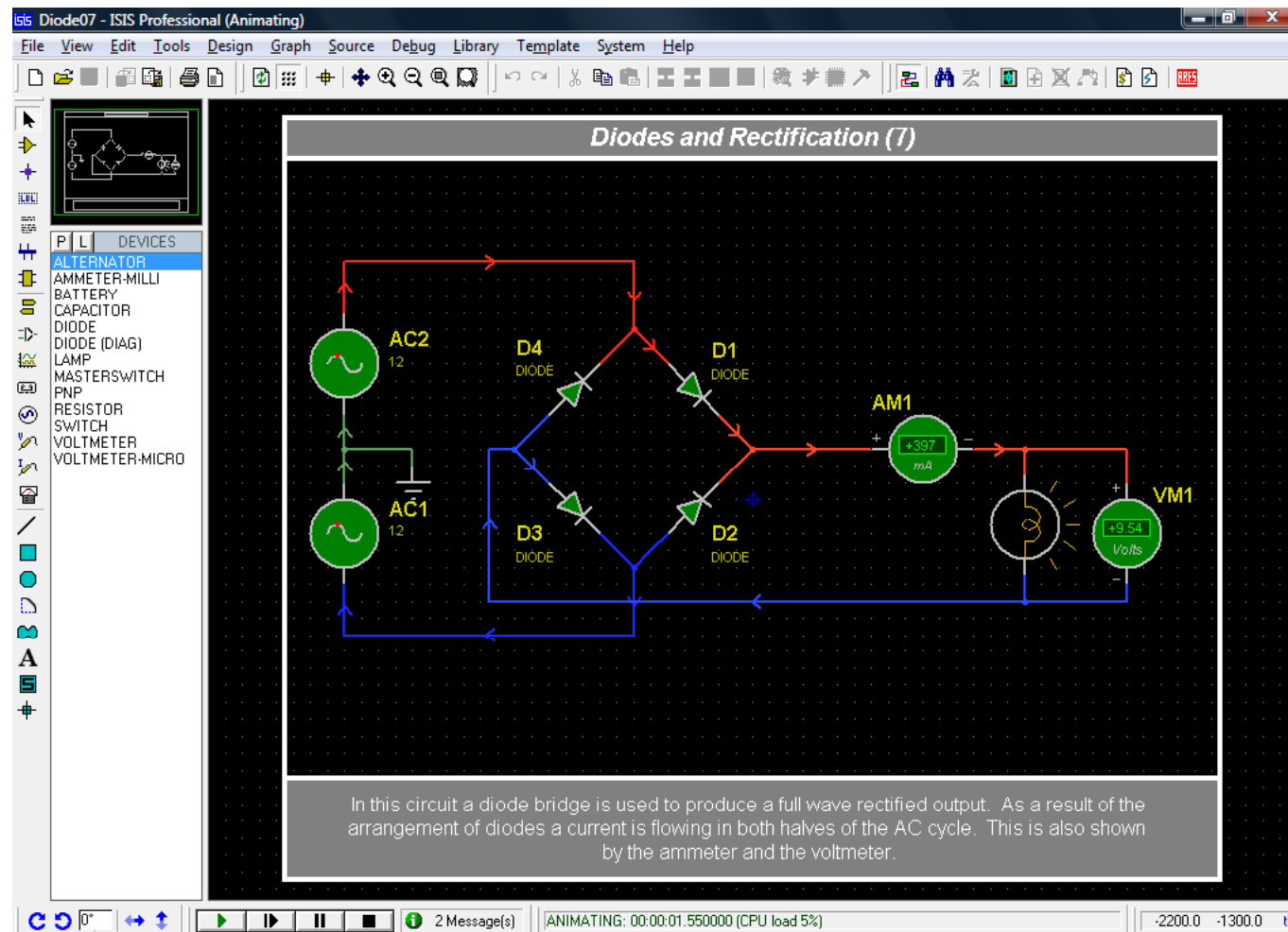
Primeiro uso do Proteus

Circuito Comb01 na pasta Interactive Simulation/Animated Circuits



Primeiro uso do Proteus

Circuito Diode07 na pasta Interactive Simulation/Animated Circuits



Próxima aula

Assunto:

1. CAD para Eletrônica – ISIS.

