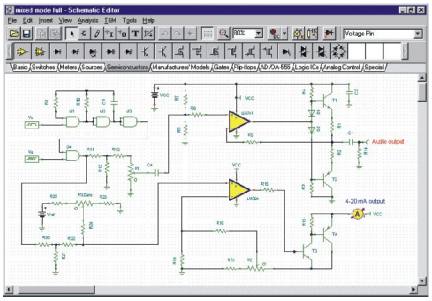
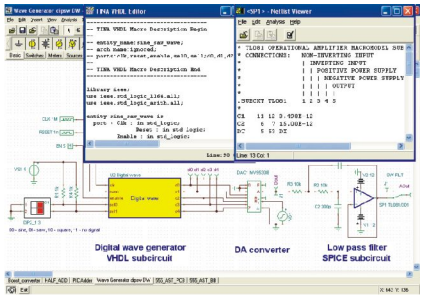
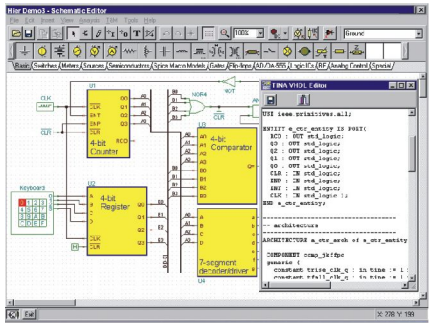
Scientech

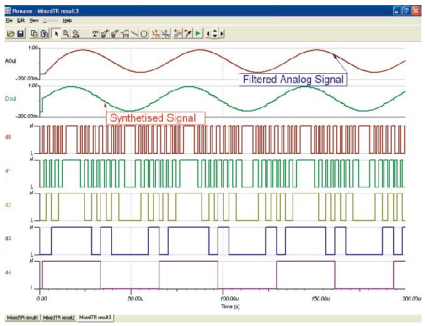
TINA V16 - Design Suite with AI Tools

The Complete Electronics Lab

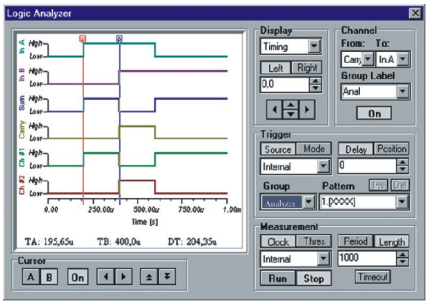


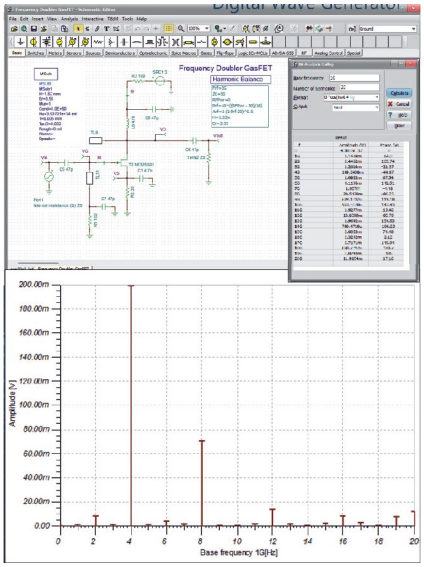




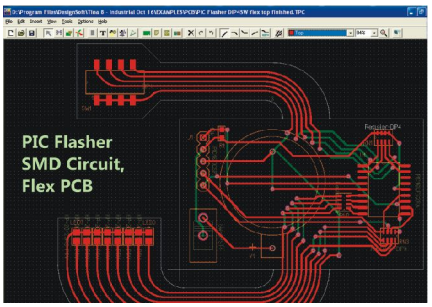


TINA DESIGN SUIT with AI Tools
Analog, Digital, VHDL, Verilog, Nonlinear RF, Symbolic & Mixed Mode Circuit Analysis

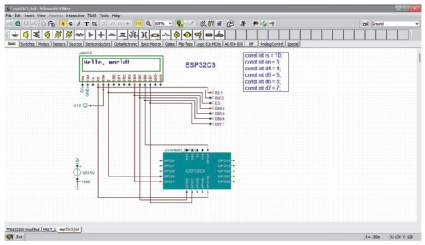




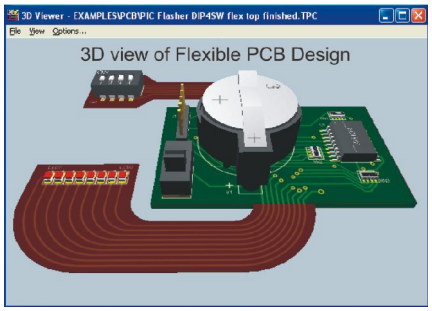
SIPCE, IBIS, S-parameter, VHDL, Verilog, Verilog-A, SystemC & MCU Models



Live Presentation Multimedia Parts
Advanced Diagrams Virtual Instruments



Integrated PCB Layout Design with 3D view



Built-in Artificial Intelligence Tools

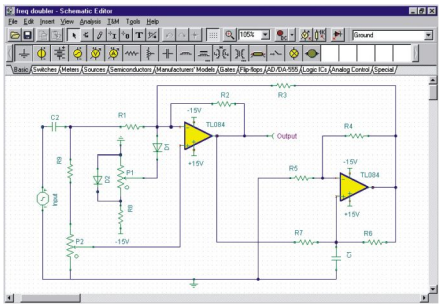
TINA V16 Design Suite
THE COMPLETE ELECTRONICS LAB

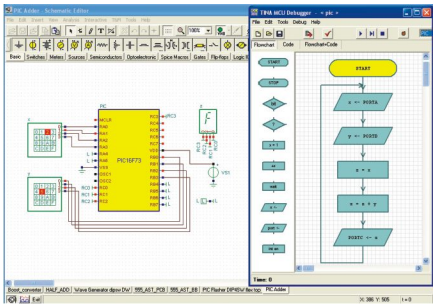
Scientech

TINA V16 - Design Suite with AI Tools

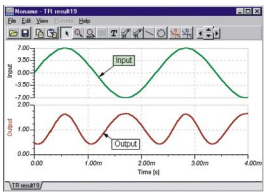
The Complete Electronics Lab

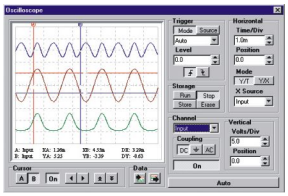
TINA Design Suite is a powerful yet affordable software package for analyzing, designing, and real time testing of analog, digital, VHDL, MCU, and mixed electronic circuits and their PCB layouts. You can also analyze SMPS, RF, communication, and optoelectronics circuits; generate and debug MCU code using the integrated flowchart tool, and test mictocontroller applications in a mixed circuit environment. A unique feature of TINA is that you can bring your circuit to life with the optional USB controlled TINALab II hardware, which turns your computer into a powerful, multifunction T&M instrument, Electrical engineers will find TINA on easy to use, high performance tool, while educators will welcome its unique features for the training environment.

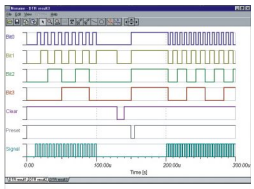




Enter circuits within minutes with TINA's easy to use schematic editor, or use the integrated logic, filter design, and finite state machine tools to create the schematic or generate VHDL code. Using the live 3D breadboard toll in TINA, you can automatically build and test your circuit on a life like animated 3D virtual breadboard.

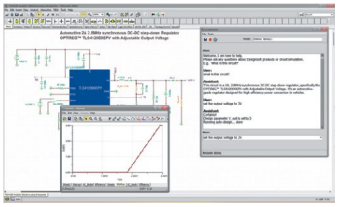


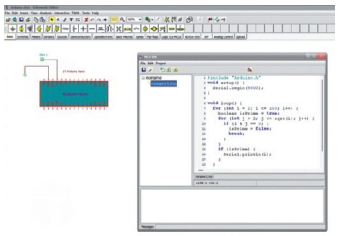


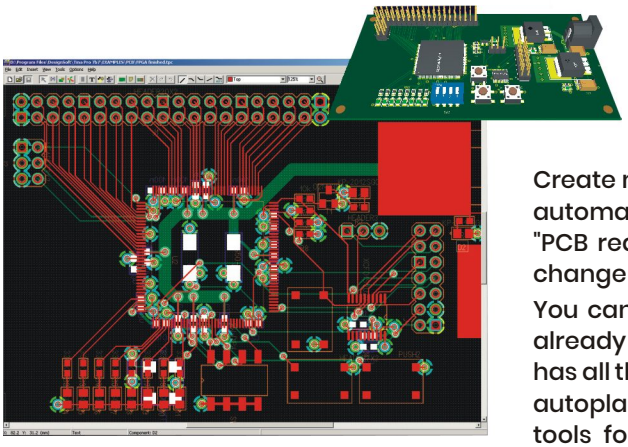


Choose components from the large extendable library containing more than 20,000 manufacturer models, or create new TINA components from any Spice, VHDL or S-parameter models. Analyze your circuit using more than 20 different analysis modes or with 10 high tech virtual instruments. Present your results with sophisticated diagrams, on virtual instruments, or in TINA live interactive mode, where you can even run, test and debug microprocessor & microcontroller applications.

Now AI tools in TINA helps you create quizzes for any circuit. Just provide the circuit name for well known ones, or add a title and description for less familiar circuits. AI analyzes your request and provides a detailed summary of your learning progress. Also AI tools offer a flexible, use friendly interface for various engineering tasks, including circuit design, selecting, redesigning & simulating evaluation circuits from various manufactures, MCU code generation etc.







Create multilayer PCB layouts of your circuits by a single mouse click with automatically placed and routed components. All components in TINA are "PCB ready" and have associated footprints which you can review and change on a component spreadsheet.

You can also use TINA's unique 3D capability to view the physical parts already on the schematic diagram. TINA's fully integrated layout module has all the features you need for advanced PCB design, including powerful autoplacement & autorouting, manual and "follow me" trace placement, tools for flexible PCB design , DRC, forward/back annotation, pin/gate swapping, keep-in/out areas, thermal relief, fanout, plane layers, Gerber file output, 3D view and much more.

Subject to Change

Designed and Manufactured in India by -

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