

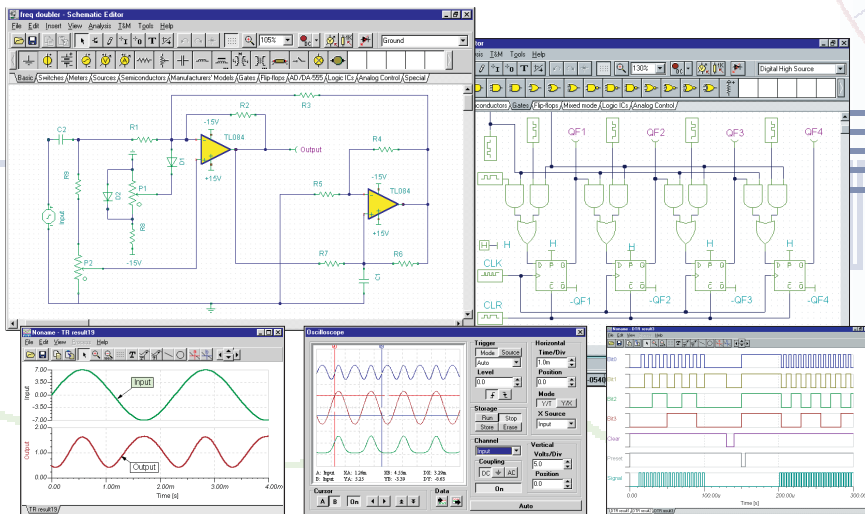
TINA Design Suite

v7



The Complete Electronics Lab

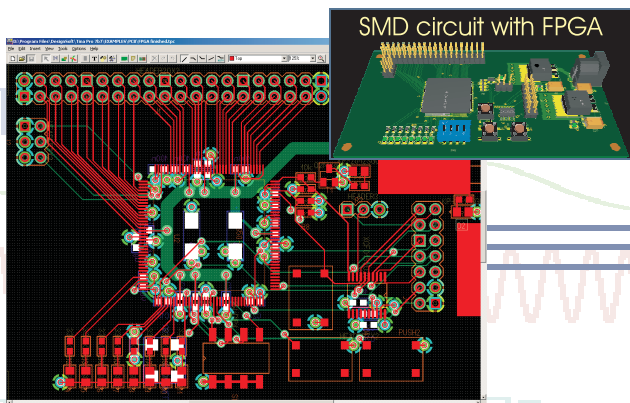
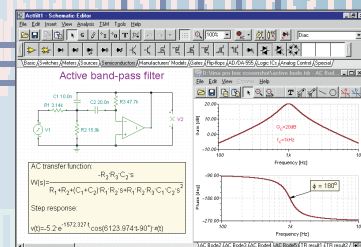
TINA Design Suite is a powerful yet affordable software package for analyzing, designing and real time testing analog, RF, communication, optoelectronic, digital, VHDL and mixed electronic circuits and their PCB layouts. Display your analysis results on sophisticated diagrams or on a wide range of virtual instruments, create your PCB layout by a single click, and finalize it with TINA's powerful PCB design tools. Bring your circuit to life with the optional USB controlled TINALab II hardware that turns your computer into a powerful, multifunction T&M instrument. Electrical engineers will find TINA an easy to use, high performance tool, while educators will welcome its unique features for the training environment.



Enter any circuit within minutes with TINA's easy-to-use schematic editor, or use the integrated logic and filter design tools to create your schematics. 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, whether created by yourself, downloaded from the Internet or obtained from a manufacturer's CD. 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 7's live interactive mode, where you can even run, test and debug microprocessor & microcontroller applications.

Plug the USB controlled TINALab II hardware instrument into your laptop or desktop and use simulation and real time testing simultaneously in the same environment throughout the whole lab project or development process. Make stand-out reports and presentations of schematic diagrams, annotations, formulas provided by symbolic analysis, Bode plots, Nyquist diagrams, polar- and Smith-diagrams, poles and zeros, transient responses, digital waveforms, and other data, whether they come from simulation or from real time measurements. Customize presentations using TINA's advanced drawing tools to control text, fonts, axes, line width, color and layout or build your own virtual instruments using TINA's LabVIEW™ interface.

TINALab II Multifunction PC Instrument



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 7'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, DRC, forward/back annotation, pin/gate swapping, keep-in/out areas, thermal relief, fanout, plane layers, Gerber file output, 3D view and much more.

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