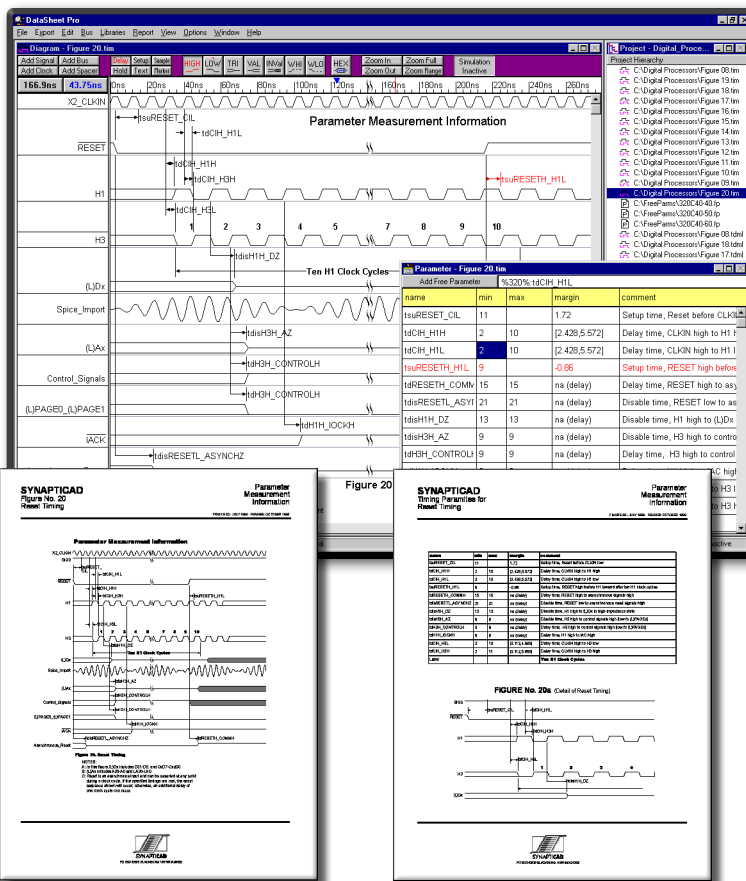


from design to documentation

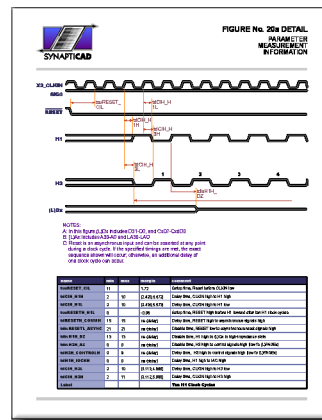
# DataSheet Pro

**D**ataSheet Pro combines SynaptiCAD's timing diagram editor together with advanced project management capabilities, forming an easy-to-use environment for creating and maintaining component datasheets. Datasheet Pro's project management features allow users to efficiently combine diagrams from multiple engineers into one project with uniform formatting. Using Object Linking and Embedding (OLE), users can embed timing diagrams into other publishing programs. Double-clicking on an embedded image

launches DataSheet Pro with the selected timing diagram. Other features include style sheets, view support, web-ready image generation, analog waveform import and display, and support for the industry-standard Timing Diagram Markup Language (TDML) format. Documentation professionals will be able to receive timing diagrams produced by design engineers using any TDML-compatible product, such as WaveFormer Pro or Timing Diagrammer Pro, and embed them directly into publishing programs like FrameMaker and Word.



With DataSheet Pro's OLE support you can paste waveforms, parameters, and views of your diagram directly into your publishing software. Then any changes in the diagram are automatically propagated to the embedded images. This makes it easy to manage a large number of timing diagrams because separate files need not be maintained for each one.



## Create Interactive On-line Timing Diagrams

When your company publishes on-line data sheets using DataSheet Pro's industry standard TDML format, your customers will be able to dynamically evaluate potential components for critical timing constraints and clock-speed compatibility. SynaptiCAD provides a free TDML viewer that lets engineers perform what-if analysis and enter or merge their design constraints with a component's timing diagram. In addition, if your customers own WaveFormer Pro, they can export their timing diagrams directly as stimulus vectors and HDL models and use them with HDL and gate-level simulators. The free TDML viewer can be downloaded from SynaptiCAD's website.



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 Evaluation Version  
 of DataSheet Pro  
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# DataSheet Pro's Editing Environment

DataSheet Pro provides a standardized way for designers and documentation writers to centralize the creation of IC data sheets. It solves the most common problems associated with this task by eliminating the need to re-enter data, avoiding misinterpretation of specifications, and automatically keeping all parts of the project up-to-date. Besides importing timing diagrams from engineering design tools, DataSheet Pro can also create timing diagrams using its professional editing environment. Timing Diagrams can include both digital and analog signals with full support for advanced constructs such as time breaks, grid lines, super and subscripted text, and active-low signal names.

## Project Management

In addition to OLE, DataSheet Pro provides a project window where related timing diagram files can be listed, giving easy access to all of them. Double clicking a timing diagram opens it for viewing and editing.

## Style Sheets

DataSheet Pro also provides customization of the appearance of a set of diagrams using style sheets. Style sheets make it easy to ensure that a set of timing diagrams conform to a departmental standard without enforcing the style on the diagram creators.

Use the Project Management Window to group and open related Diagram Files.

Use the Style Sheet Window to customize the appearance of Diagram Files.

Use the Print Dialog Box to create different views of Diagram Files for graphics or OLE applications.

## Multiple Views of Diagram

Views enable the user to store the settings for multiple pictures taken from a single timing diagram. These pictures are snapshots of specific regions of the diagram.

## Web Compatible and Vector Based Image Creation

DataSheet Pro can create timing diagram image files in both vector formats for publication and bit map formats for web site compatible graphics. Supported image formats include JPEG, PNG, EPS with preview, MIF (FrameMaker format), WMF metafile, CGM metafile, and enhanced Windows metafiles. Vector files can be sized and scaled without affecting image quality.

“At TI we generate data sheets for thousands of IC’s. Currently, TI engineers give us WaveFormer timing diagrams, which we import directly into our desktop publishing tool, reducing cycle time and cost. No redraw is required by our illustrators, thus reducing review cycles for the engineering teams. DataSheet Pro promises to be a customized tool for this purpose. We’re so excited about the OLE and document management features that we anticipate initial savings of approximately \$250,000 for documentation development.”

Terry Hayes - ASP Product Documentation Team Leader, Texas Instruments.



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