GDSVU
GDSII View/Plot for Windows

GDSVU is a low cost easy-to-use tool to view stream data used for masks. The program is optimized to quickly load and display any valid GDSII file.

You can select the structure to view and also how many levels of hierarchy to look down through. Each layer can be assigned a unique color and fill pattern. Structures can be ID'd as well as strings of text and the individual vertices of paths and boundaries. Critical dimensions can easily be measured. GDSVU/W is s true 32 bit NT application but also runs on Windows 95 and even on Windows 3.1 using Microsoft's Win32s subsystem.

Features

- ■ *Runs on Windows 3.1/95/NT*

- ■ *Floating Network License*

- ■ *True Win32 Application*

- ■ *Plot to Lasers and Inkjets*

- ■ *Customizable Fill Patterns*

- ■ *Measure Critical Dimensions*

Edit
The Edit pull down lets you capture all or part of the display area to the clipboard,. Ideal for pasting views of your chip into word processing programs.
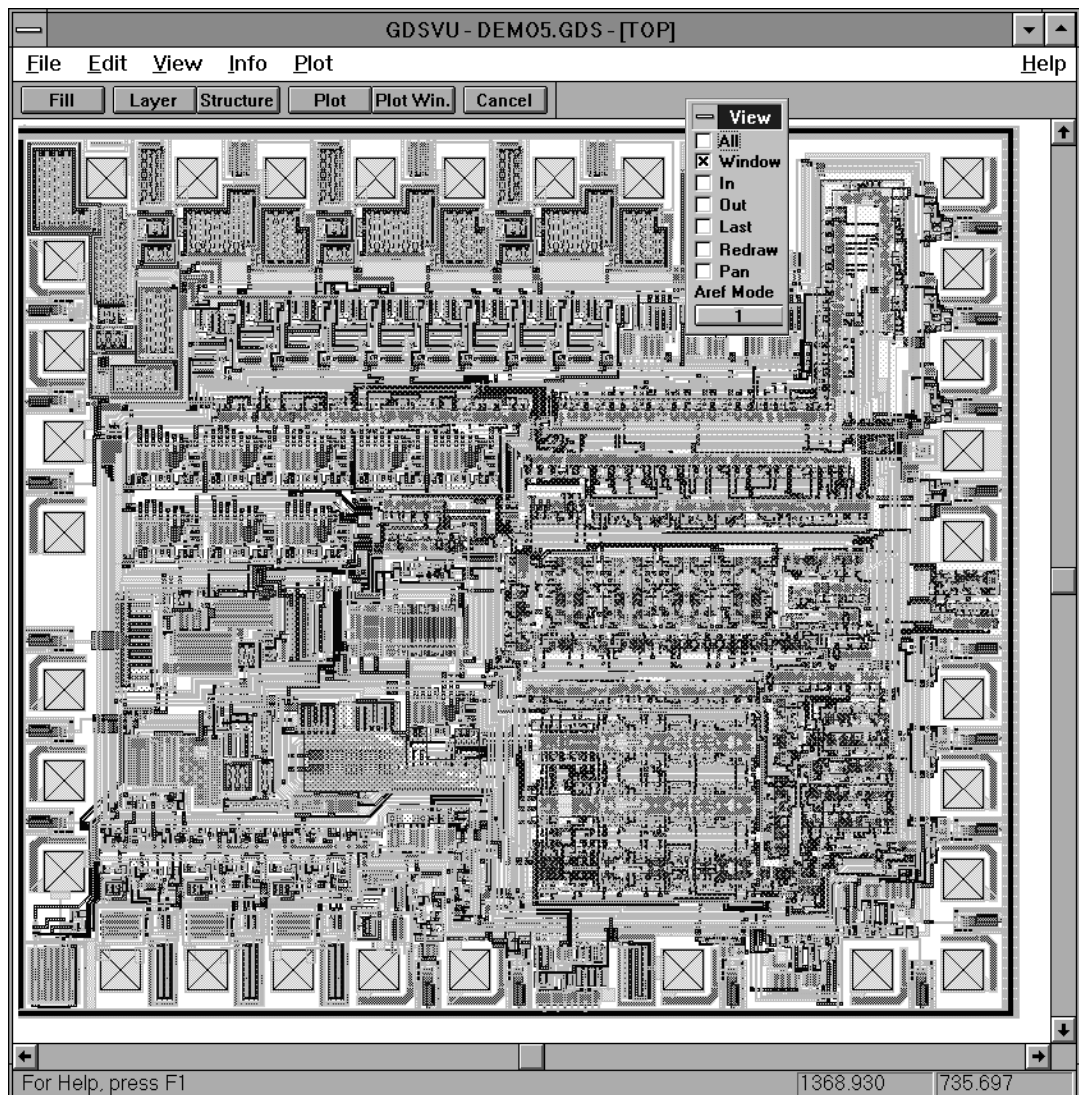
View Controls
A convenient tear-off menu enables you to easily move through the display.

File Preferences
GDSVU remembers your preferences such as background color, default layer fill pattern file, last directory used, display of text and markers.
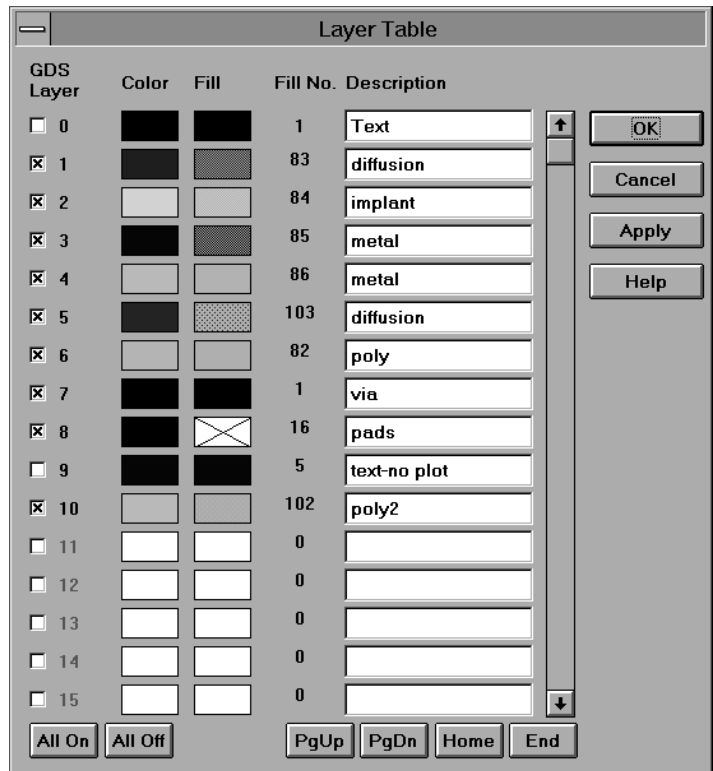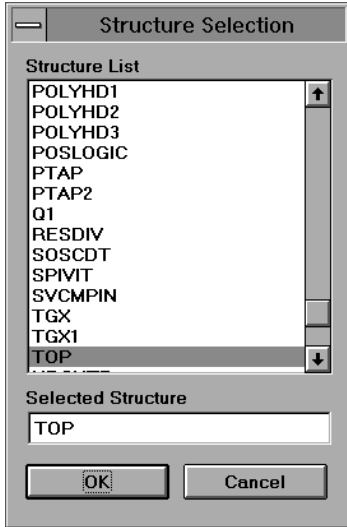
Info
Click on a structure to get its name, mag, insertion coordinates and rotation. Click on a boundary vertex to get coordinates, layers and number of sides. Click on a string of text to get mag, rotation, insertion point and reference location.
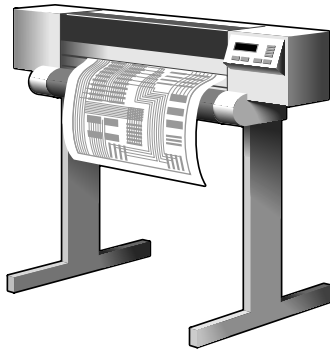
The GDSVU Layer Table

From this menu you assign fill patterns and outline colors to each layer. Just double click on the Outline or Fill box in order to edit the color and pattern. You may assign each layer number a name for easy reference; it will also display on your plot header.

When examining a GDSII file you can switch layers on or off with just a click on the checkbox. GDSVU is able to display up to 999 layers.

Layer Table

GDS Layer	Color	Fill	Fill No.	Description
☐ 0			1	Text
☒ 1			83	diffusion
☒ 2			84	implant
☒ 3			85	metal
☒ 4			86	metal
☒ 5			103	diffusion
☒ 6			82	poly
☒ 7			1	via
☒ 8			16	pads
☐ 9			5	text-no plot
☒ 10			102	poly2
☐ 11			0	
☐ 12			0	
☐ 13			0	
☐ 14			0	
☐ 15			0	

OK | Cancel | Apply | Help

All On | All Off | PgUp | PgDn | Home | End

Structure Selection

Structure List

POLYHD1
POLYHD2
POLYHD3
POSLOGIC
PTAP
PTAP2
Q1
RESDIV
SOSCDT
SPIVIT
SVCMPIN
TGX
TGX1
TOP

Selected Structure

TOP

OK | Cancel

Structure Selection

GDSVU can display any structure and all data referenced by that structure. To select the structure to view just scroll through the list and pick its name.

Plotting

GDSVU supports plotting to HP's LaserJet and color inkjet family of plotters with page sizes up to 11 x 17 inches. For larger plots use our GDSPLOT dedicated plotting software that supports multi-threading and banding.

Fill Pattern Palette

GDSVU supports up to 1024 custom fill patterns. Users can easily design their own fill patterns. The display and plotting fill patterns match exactly. There are special fill patterns for vias and contacts that enable you to see through the via.

Fill Pattern Pallete

Patterns: 1, 2, 3, 4, 5, 6, 7, 16
17, 18, 32, 33, 34, 35, 36, 37
38, 39, 40, 41, 42, 43, 44, 45
46, 47, 48, 49, 50, 51, 52, 53
54, 55, 56, 57, 58, 59, 60, 61
62, 63, 64, 65, 66, 67, 68, 69
70, 71, 72, 73, 74, 75, 76, 77
78, 79, 80, 81, 82, 83, 84, 85

Name: BLACK   Index: 1

OK | Cancel | Help | PgUp | PgDn | Home | End