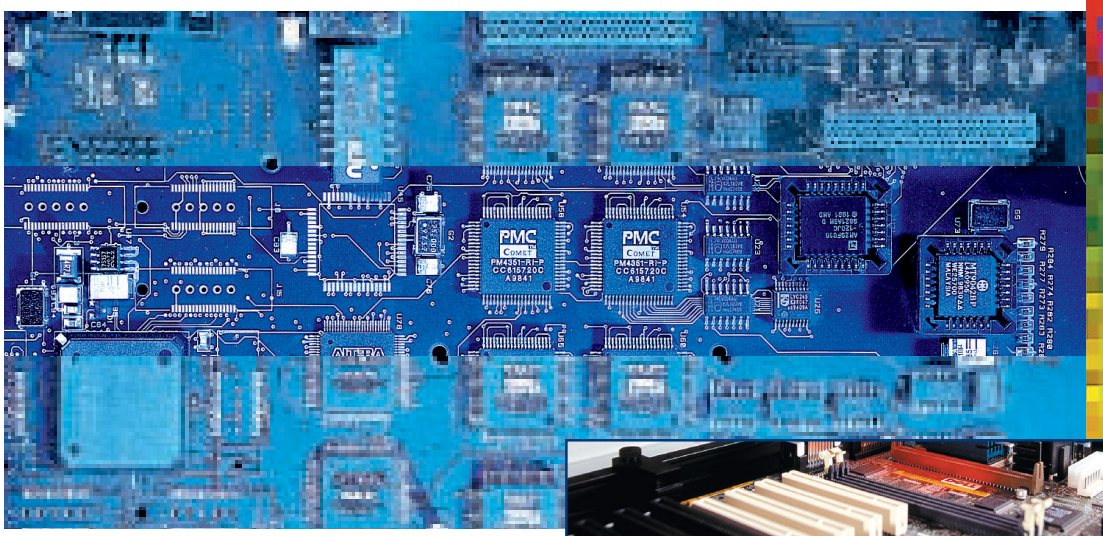
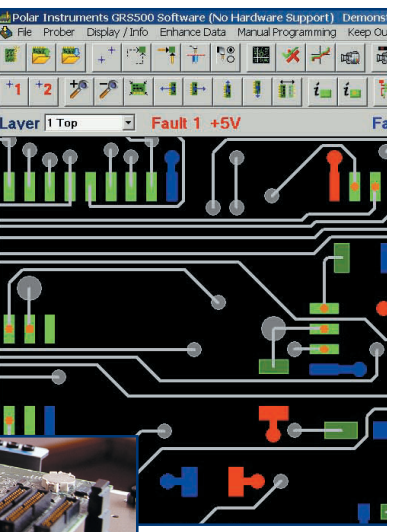
Troubleshoot PCBs without paper schematics





Paperless repair software

GRS500 CADView

Compatible with over 20 CAD formats

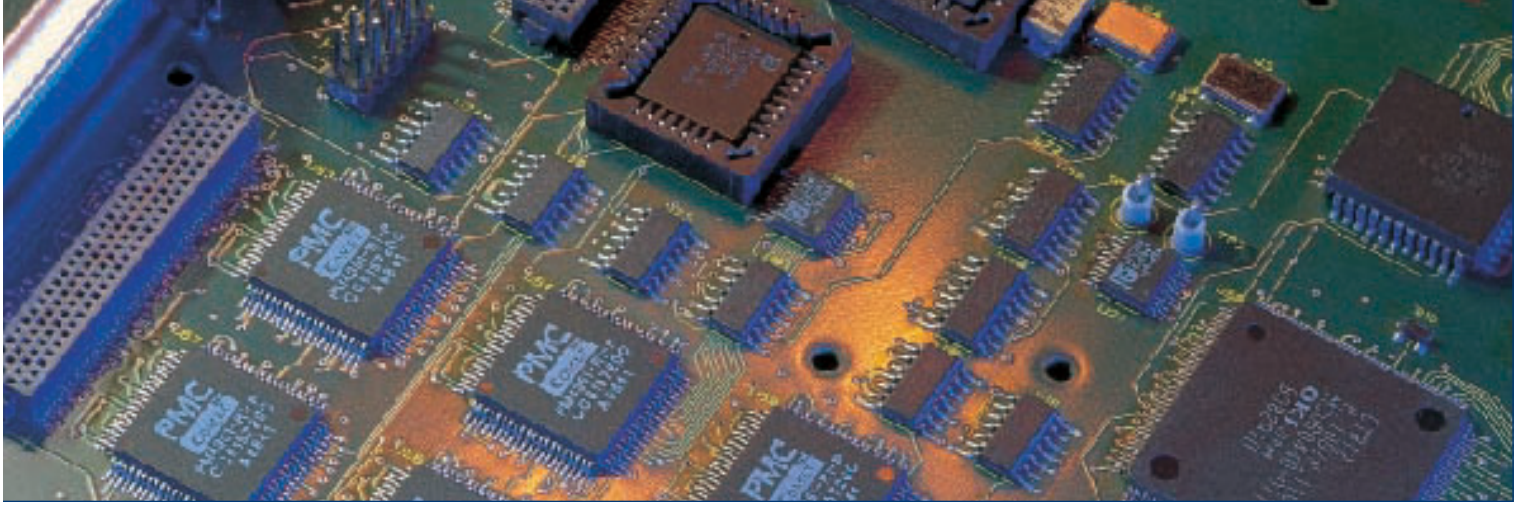
Virtual X-ray

Link CAD Data with Schematics

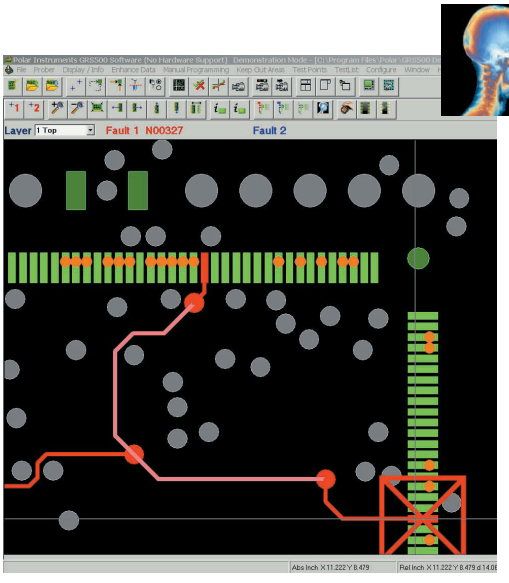
Extensive net information

Polar

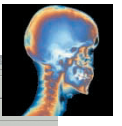
polarinstruments.com



Powerful yet easy to use Polar GRS500 CADView, enables you to import over 20 popular CAD formats, and display the CAD data in an easy to use environment that is optimized for PCB troubleshooting. Suitable for raw or assembled boards the GRS500 is able to import both CAD and CAM formats, including OrCad, PADS, IPC D356, Cadstar, Mentor and many others.



Easy for technicians to trace a faulty net as it disappears and re emerges from inner layers

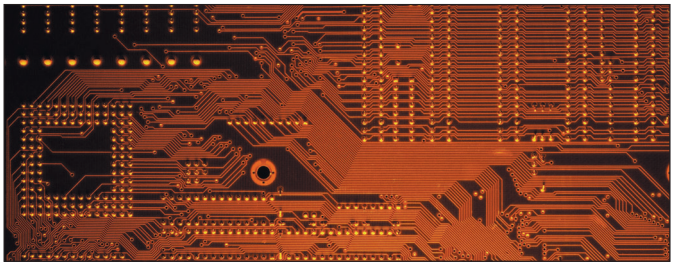


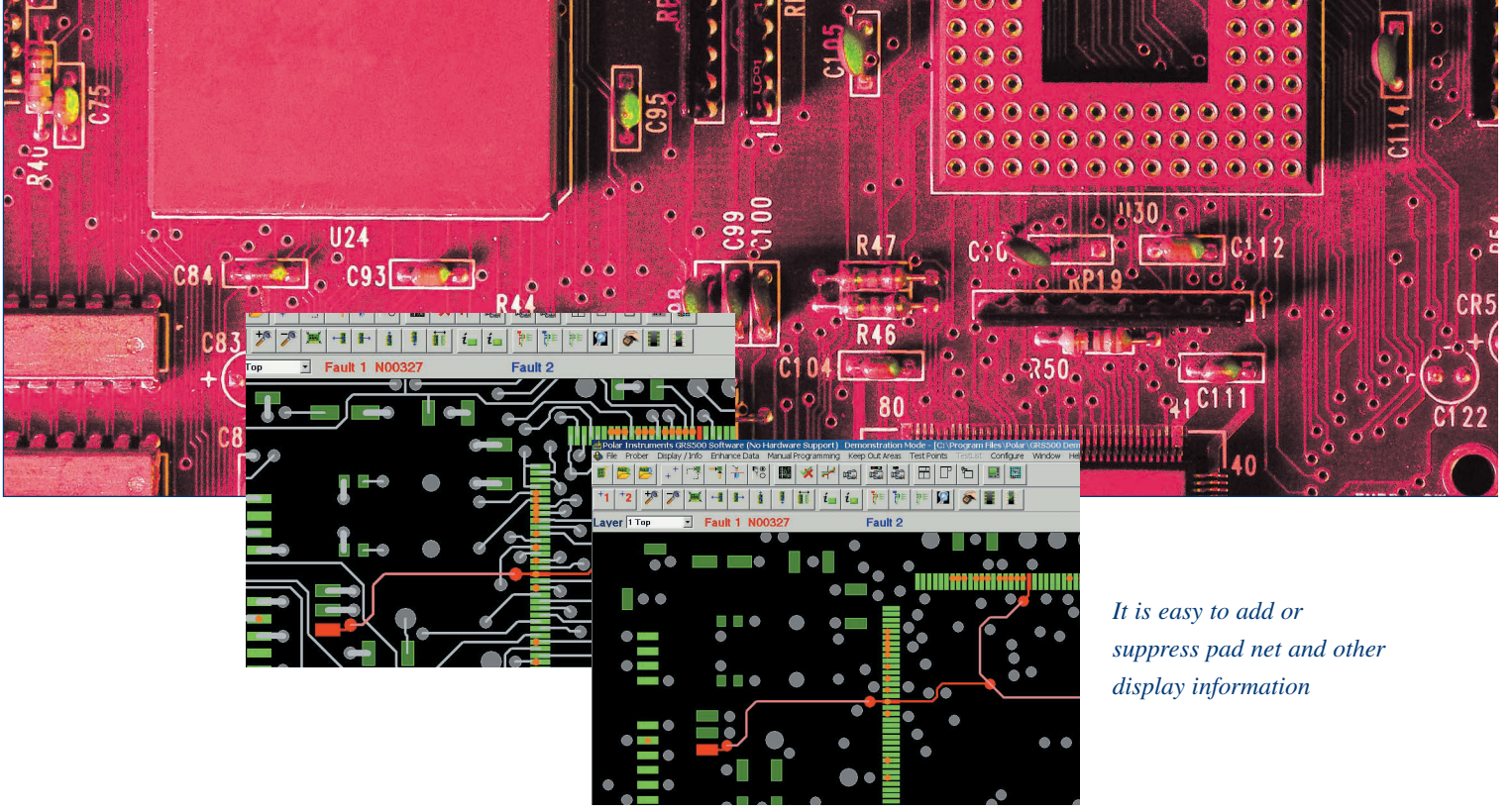
Virtual "X-ray"

One of the most useful and Powerful features of the GRS500 CADView, is its ability to selectively display fault data. This is best seen in the Virtual X-ray facility, where the faulty net is displayed both on the main layer view, and in a ghosted image as it traces through other layers. Only the fault information is displayed as it traces through inner layers, and this makes it easy for technicians to trace a faulty net as it disappears and re emerges from inner layers.

Display and fault entry.

Faulty nets can be selected with a mouse click or by entering net name directly. The net immediately highlights in red or blue. You can query net information on each faulty net, and also select the amount of information on display - it is easy to add or suppress pad net and other display information so that all you have to focus on is the process of troubleshooting.. For instance when you turn over a board to investigate faults on the rear it is a simple operation to mirror the data in X or Y so you can continue to trace the faulty net.





It is easy to add or suppress pad net and other display information

Link to Schematics: *

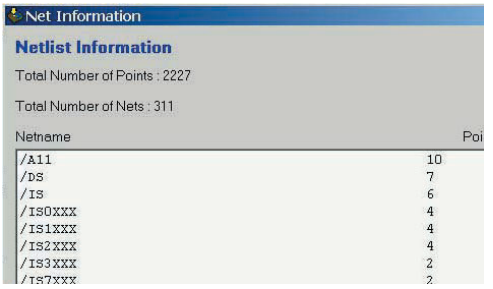
If your CAD system supports Adobe .pdf format schematics, you can simply click on any of the displayed nets and be transferred to the relevant point on the schematic diagram. Invaluable when you are faced with a board containing many high pin count devices. ** Available Q3 2003*

Graphical Repair

- The GRS displays the CAD nets on screen and immediately lets you highlight nets with potential faults.
- Virtual X-ray" generates a graphical pathway of a net on inner layers. essential when a fault is on a long and complex net.
- No need for paper schematics.

Other features:

The GRS500 CADView software can also be used for offline programming of GRS500 Flying probe repair test systems. Test programs may be 90% prepared offline which maximizes the troubleshooting time on the repair tester. Test data acquired on the GRS500 hardware may also be displayed on the CADView for off line trouble shooting.



Comprehensive netlist information may be extracted from the imported CAD data. Ideal for identifying power and ground nets.

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GRS500 CADView Paperless repair

CAD formats supported*

BoardMaker	BoardMaker Jig file	*.jig
Cadstar	Cadif	*.paf
Eagle	Eagle *.egr (Requires ULP)	*.egr
Fabmaster	Pins Part list	*.asc
	Fabmaster Archive	*.far
GenCAD	GenCAD CAD File	*.cad
Gerber	Gerber File	*.* (Varies)
Kades G	Database file	*.dfb
IPC-D-356	Netlist	*.* (Varies)
Lavenir	F04 Format	*.f04
Mentor	Mentor Neutral file	*.*
	Mentor routes file	*.*
OrCad	GenCAD CAD	*.cad
Pads Power PCB	Pads Hyperlynx	*.hyp
PCAD 2001 - Onwards	PDIF -IPC-D-356	*.pdf
		. (Varies)
Prisma	Prisma CXF	*.cxf
Protel	Protel Hyperlynx	*.hyp
Seetrax Ranger	GenCAD CAD	*.cad
SuperMax ECAD	IPC-D-356 Netlist	*.* (Varies)
Theda	TL Version 4	*.tl
	TL Version 6	*.tl
Toshiba	Toshiba component positions	*.drm
Veribest	GenCAD CAD	*.cad
Visula	CADIF	*.paf
Vutrax	Engineer's cross reference	*.exg

This list is subject to constant update and change, an updated list may be found at www.polarinstruments.com

System requirements:
GRS500 CADView will operate on most Windows 2000 or Windows XP PCs however CAD display is demanding on graphics card performance. In order to obtain the best from your GRS500 CADView, you should run on a minimum 1 GHz PC with a high performance graphics card and ideally a DVI output with compatible flatscreen LCD monitor with minimum resolution of 1280 x 1024.

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