



RevEng SCHEMATIC LEARNING SYSTEM



WORKING IN THE DARK

Are your engineers trying to repair and maintain essential equipment without circuit diagrams?



LEGACY EQUIPMENT

Are you supporting discontinued products that are not manufactured or supported by the original supplier?



Can you support long life system such as water and electricity utilities, military, air traffic control, aircraft maintenance, avionics simulation, traffic control, trains and signalling?

OVERSEAS SUPPORT

Are you forced to send products overseas for repair because they cannot be repaired locally?



ISSUES IN MAINTENANCE

Maintenance and repair of electronic equipment suffers from a lack of circuit diagrams. This has been caused by a combination of actions such as

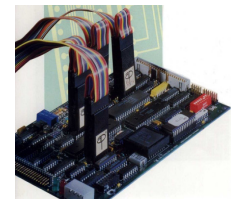
- ⊖ Restrictive practices
- ⊖ Increased use of electronic systems
- ⊖ Availability of local support
- ⊖ Changes in company structures
- ⊖ Changes in technology
- ⊖ Availability of spares

TAKE CONTROL OF YOUR BUSINESS

Create essential product documentation so you can implement a maintenance strategy that is cost effective and independent of the original manufacturer or service provider.

RevEng

A Schematic Learning System that allows users to create a circuit diagram from a sample board.

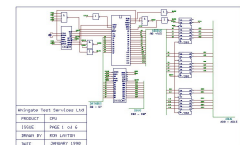


EASY TO USE

Using our multi-channel measurement unit RevWin graphical software guides the operator to place and move clusters of IC clips and probes to learn the connectivity and generate a **Net List**.

COMPONENTS	VALUES	NODES
IC1,D71055C	IC1,NONE	(UN1
IC2,74HCT86	IC2,NONE	IC1,9
IC3,74HCT02	IC3,NONE	CON1,3
IC4,74HCT00	IC4,NONE)
CON1,PC31	CON1,NONE	(BUSEN
RP1,RPAK8	RP1,10K	IC2,2
CL,CAP	CL,160F	CON1,11
RI,RESIST	RI,10K)
		(AD3,3.ABUS
		IC2,5
		CON1,15

Fully featured EDA software provides "Auto-Place" and "Auto-Route" facilities to create professional standard circuit diagrams.



UNIQUE and CAPABLE

RevEng was designed in the UK to provide an effective solution that overcomes the restrictions imposed by manual methods. It is not limited by the size and complexity of the circuit or by the component technology used.

Your local **RevEng** supplier





RevEng SCHEMATIC LEARNING SYSTEM

SYSTEM CONFIGURATIONS

PIZZA

Entry-level system for low budget or small to medium circuits.



RP128 PIZZA

Unit equipped with control card and 128 measurement channels.

27.5 x 6 x 25 cm - 1.35 Kg

Expansion with

RP256 Expansion

Unit equipped with 256 measurement channels.

27.5 x 6 x 26 cm - 1.4 Kg

CABINET

High pin count system for complex applications and large circuits.

RC640 - RC2048 Cabinet

Systems equipped with control card and up to 2048 measurement channels.

48 x 31 x 33 cm - 12.45 Kg



All systems are equipped with

⊕ External 12V supply

👣 Foot-switch

2 off wandering probes

2 off power monitor probes

📀 RevWin XP control cable and card

📀 RevWin XP Learning Software on CD

📀 EdWin XP Drawing Package on CD

📖 User manuals

CONTROLLER

Any IBM compatible PC capable of supporting Windows and equipped with

- ✓ SVGA colour monitor
- ✓ CD ROM drive
- ✓ Hard disk with at least 100 Mbytes free.
- ✓ Mouse and keyboard
- ✓ Spare PCI slot for RevWin I/F card
- ✓ Win95/98/2000/XP or NT4 or later
- ✓ Plotter or printer (Optional)

COMPONENT ACCESS

A wide range of IC clips and connectors provide contact with the circuit. Hand held **PROBE** and **BUZZER** facilities overcome physical access limitations of the board.

SOFTWARE

RevWin software is Windows based. It provides an easy to use graphical interface to guide non-technical operators through the process.



- ✎ Enter board description
- ✎ Configure clips and connectors
- 🔍 Learn connectivity
- 📄 Generate Schematic

RevWin controls the system hardware and links with the CAD software. Key features include

- ✓ Icon driven
- ✓ Context sensitive help
- ✓ Unlimited number of clips and connectors
- ✓ Process can be suspended, restarted or terminated for partial circuit learn and draw
- ✓ Repeat learn and verify
- ✓ Optimised clip movement
- ✓ Caters for digital and analogue circuits
- ✓ Guided probe for non-standard components

CAD

EdWinXP provides a professional drawing capability.

Facilities include

- ✓ Import NetList
- ✓ Auto-place components
- ✓ Auto-route signals
- ✓ Multi-page schematics
- ✓ Bus structure support
- ✓ Library 12,000 devices
- ✓ Rubber band and Rats nest functions
- ✓ Block move and rotate
- ✓ Optional facilities include Bill of Materials, PCB Layout, EDSpice and Mix-mode simulation, Auto-routers, Thermal Analyser, EMC + Signal Integrity
- ✓ **EdWinXP schematic writer** Converts schematic data into **EDIF** for import by OrCad and other CAD packages with an EDIF reader.
- ✓ **Export to EDIF version 2.0. 0;** Scicards Netlist; OrCad PCB II Wirelist; EDWin Schematic Wirelist; EED3 Layout Wirelist
- ✓ **Import from EDWin Schematic Wirelist; OrCad PCB II Wirelist; EED3 Layout Wirelist**

www.abielectronics.co.uk
sales@abielectronics.co.uk