



Endorsed
Provider



RoHS Directive

- implications for designers

Course Synopsis

- ❖ **Board laminate**
Know which laminates to choose and how to choose them for RoHS compliancy.
- ❖ **Surface finish**
Which is the best surface finish?
Is there a lead-free replacement for HASL?
- ❖ **Electrical properties**
Have the electrical properties changed in the "new" compliant materials?
- ❖ **Changes to layout**
What changes in layout are required?
How do I know my footprints are compatible?
- ❖ **Lead-free alloys**
What lead-free alloys are currently being used?
- ❖ **Solder joint appearance**
What will a lead-free solder joint look like?
- ❖ **Solder joint reliability**
Will the new alloys reduce solder joint reliability?
- ❖ **Components**
How can I prove my components are lead-free?
What labels will manufacturers put on their components?
- ❖ **Product labelling**
How should my products be labelled to show RoHS compliancy?
- ❖ **Checklist**
Have I thought of everything?
- ❖ **What's in the future?**
Find out what legislation is in store.
- ❖ **Further help**
A list of useful contacts is supplied that will help keep you on the right track.

Who should attend?

PCB Designers, CAD Librarians, Electronics Designers, Engineering & Project Managers – anyone who needs to appreciate the impact of the RoHS Directive on the design of modern circuit boards.

Seminar overview

This one-day seminar is intended to remove some of the uncertainty, surrounding the EU's Restriction of certain Hazardous Substances Directive, as far as PCB design is concerned. It will focus on what designers need to know, which standards to use, what to look out for in the future and how best to ensure their products are compliant.

The programme

This one-day seminar (day starts at 9.30am and ends at 5.30pm) held at various venues throughout the UK.

Venues and dates

The seminar will be held at various venues throughout the UK.

- Premier's offices, **Herts**: 27-Apr-06
- EDTC, Livingston, **Scotland**: 03-May-06
- The Beeches Hotel, **Bristol**: 17-May-06

Extra Date Added:

- The Stone House Hotel, **Staffordshire**: 20-Jun-06

Pricing & accompaniments

Our RoHS Implications for Design Seminar costs £295 per delegate (excl. VAT). Price includes a comprehensive set of delegate notes plus refreshments and a buffet lunch (Please advise us if you have any special dietary requirements). Details of local hotels can be supplied if required. Delegates are responsible for confirming their own bookings and indeed the cost of this accommodation.

Terms and conditions

Our training courses are governed by a specific set of terms and conditions, which cover a number of important issues like payment and cancellation. Please read these prior to attending the course. A copy of the terms and conditions is available on request.



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Technology Seminar Booking Form

Order form **FAX Back to us on + 44 (0) 1920 872 615**

Company: Tel:

Name(s): Email:

..... Email:

..... Email:

For additional delegates, please use a separate page, or multiple forms.

Please reserve place(s) at your
"RoHS Directive - implications for designers" Technology Seminar, held at:-

The Stone House Hotel, **Staffordshire**, 20th June 2006

(At all venues registration is at 09:00, the seminar will start at 09.30 and close at around 17.30)

Qty	Price <i>(per delegate)</i>	Total
	£295	
	VAT at 17.5%	
	Grand Total	

Please charge payment to:

Credit card.

Type: VISA/MC/AmEx Cardholders name:

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