



CONCURRENT ENGINEERING

GET THE MOST FROM YOUR PCB MANUFACTURER

Concurrent Engineering is a service offered by Pioneer Circuits where experienced applications engineers advise and guide you from the start of your project, making sure that your design is ready and optimized for manufacturing. This early involvement ensures that there will be no hold ups during the fabrication process, and that all topics are addressed to save you time and money.

WHAT CONCURRENT ENGINEERING OFFERS

1 TECHNICAL TRAINING SEMINARS

Before beginning your project, attend one of our free technical training seminars to gain useful background knowledge on how to create the best design for manufacturability. Our technical training seminars are offered as lunch and learn sessions by our knowledgeable applications engineers, and are conveniently held at your site or at the Pioneer Circuits Learning Center. Webinars are also available upon customer request. Choose from a variety of topics and equip your team with PCB best practices. Our application engineers will bring product samples, answer questions and share lessons learned from decades of experience.

2 MATERIAL STACK UPS

Material stack ups help you select the best raw materials for your project to ensure a smooth manufacturing process. Save time by getting experienced advice on the most suitable materials for your project, and cut costs by asking how you can save money when selecting materials. Optimize your product by knowing the capabilities of materials and understanding which materials your supplier has experience manufacturing with. For example, Pioneer Circuits has the ability to manufacture with constantan, a material with thermo characteristics that can be used for applications such as infrared imaging.

3 CUSTOMER MANUFACTURING READINESS REVIEW (CMRR)

Prior to finalizing design documentation, Customer Manufacturing Readiness Reviews (CMRRs) check the designs to make sure everything is manufacturable and mistake-free. CMRRs check for inconsistencies or issues within your data package that may cause production delays or reduced yields in fabrication. CMRRs cut time and costs by avoiding unnecessary revisions during manufacturing and ensuring optimum process flow.

4 MOCK-UPS

Mock-ups are an extremely easy way to ensure that the fit and feel of the board is correct, saving time and money in the long run. Mechanical mock-ups allow you to optimize your design without incurring the costs and time of an actual build. They provide a high fidelity method of evaluating your project's characteristics, and at Pioneer Circuits, they are completely free of charge with no obligations. Utilizing a mock-up service is extremely beneficial and eliminates the risk of having to redesign and re-manufacture a build that does not fit.

CONTACT OUR APPLICATIONS ENGINEERS TODAY

MARK GERRIE
mgerrie@pioneerircuits.com
(714) 641-3132 x263

BOB SHELDON
bsheldon@pioneerircuits.com
(714) 641-3132 x307

DAN HANSLER
dhanler@pioneerircuits.com
(714) 641-3132 x235