

PCB Manufacturing

from **A**

Concept
Design
CAM
Material Issue
I/L Print
DES
I/L AOI
Oxide

PCB Manufacturing from A to Z provides a detailed look at all phases of the printed circuit board manufacturing process. As product life-cycles shorten and technological demands increase, a thorough understanding of bare fab creation becomes a crucial component in bringing products to market right the first time. *PCB Manufacturing from A to Z* is an efficient method to assimilate this knowledge throughout your PCB design, procurement, and assembly teams.

Who Can Benefit

PCB Designers
Manufacturing Engineers
Quality Engineers
PCB Procurement Staff
Program Managers

Program Topics

Pre-Production Engineering
Material Selection
General Board Processing
Surface Finishes
New Technologies

Participants Will Gain

Understanding of the PCB manufacturing process
Understanding of the pre-production engineering cycle
Evaluation of common manufacturing trade-offs
Ability to apply design for manufacturing (DFM) concepts
Ability to apply design for value (DFV) concepts
Ability to reduce cycle times and overall board costs

Just a "thank you" for coming to our side of the country to present your excellent class on PCB manufacturing. While many of us, including myself, have some idea of how our cards are manufactured, your class - and the discussions that ensued among the participants - truly brought to light the complexity of the process. It helps us engineers in our development and design activities to keep in mind the myriad factors that impact our designs.

Maurice R. del Prado Jr. Senior Engineer / IBM Systems Group

Strip & Etch
Solder Mask
Final Finish
Fabrication

To Join a Course or Request Additional Information

Contact your TTM Sales Representative
Or email support@ttmtech.com
www.ttmtech.com



Test

Inspection

Ship

to **Z**

