

## early involvement: tbp advises imec's DfX-guidelines

Providing their customers the most competitive total cost of ownership and highest quality: that is what tbp electronics stands for. "Early involvement" and "Design for eXcellence" are therefore most valuable to tbp. The DfX-process itself is to run fast and cost-effective and may not lead to a customer lock-in due to specific equipment used by any EMS-provider. Therefore, tbp advises all customers to follow the imec's Center for Electronics and Design & Manufacturing ([www.cedm.be](http://www.cedm.be)) DfX-guidelines. These DfX-guidelines are based on scientific analyses and modelling of PCB/PCBA production, quality- and reliability aspects. Imec's cEDM team experience in the industry and the evaluation by the cEDM partners provides a unique set of practical DfX-guidelines. The guidelines aim for a PCBA-design enabling excellent production quality, but also cost-effective production in any state-of-the-art PCB production- and assembly facility worldwide. The guidelines are easy to use by a direct link to information such as IPC-standards, component datasheets, etc. They are being supplemented with some practical tools, such as for selecting PCB-laminates for reliable lead-free soldering. PCBA-designs that follow the cEDM DfX-guidelines will swiftly go through the tbp DfX-evaluation process, a win-win situation for all parties.

The cEDM network consists of approx. 60 partners and members, among which tbp, Nevat-EMS and several EMS-customers of tbp electronics. You will find more information on the guidelines, membership and services of imec cEDM on [www.cedm.be](http://www.cedm.be) or contact:

Mr. Boris Leekens  
Mr. Geert Willems

boris.leekens@imec.be  
geert.willems@imec.be

+32-16-283488  
+32-16-288962