

**Info sheet:
Electronic Design & Manufacturing program**

**Better electronics at reduced cost through
science based design & production methodologies**

Mission EDM

To support industry in the development of high quality, reliable and cost-effective electronic modules (PBA) by means of knowledge creation and sharing, scientifically sound methodologies and collaboration throughout the electronic supply chain.

Objectives EDM

EDM aims to support the industry **to develop, to manufacture and to integrate Printed Board Assemblies (PBA) cheaper and better** by offering scientifically based design guidelines and qualification-tools to the electronic supply chain. This to reinforce the competitiveness of the regional electronics and electronics implementing industries in an international context.



Design:	higher quality PBA at a lower cost
Qualification:	more efficient and more effective
Assembly:	better prepared
Test:	more effective and better quantified
PBA functionality:	better quantified reliability

EDM offering

1. Design guidelines

In collaboration with the EDM partners who represent the full electronic chain Design-for-X guidelines are being developed, where X stands for all aspects of physical realization of the PBA. The guidelines are offered through the EDM program website <http://www.edmp.be/>. The guidelines are free for the EDM partners. EDM provides a membership discount.

2. Supporting tools

The guidelines are supplemented by support tools for PBA development, production and use. These include checklists, calculators, search tools,... . These tools are free for EDM partners and members to consult on <http://www.edmp.be/>.

3. PBA simulation tool

PBA is a generic simulation tool aimed at quantifying the physical realization properties of a PBA: yield, test coverage, durability, cost, ... is under development. A test version has been made available in 2011 to EDM partners and will be made available to interested companies after the evaluation phase. The PBA simulation tool uses standard MS Office applications, making it ideal for use by SMEs.

4. EDM Workshops

Three times a year the EDM program organizes workshops on Printed Board Assembly themes. The theme is illustrated by means of presentations and discussion with contributions from the EDM partners. The EDM workshops are free for EDM members and partners who can also consult all presentations of the workshops through <http://www.edmp.be/>, with the agenda of the workshops available to the public.

5. DfX Helpdesk

At the DfX helpdesk (016-288962 - 0498-919264 - Geert.Willems@imec.be) you can ask all your questions about creating, testing, failure, RoHS compatibility, cost, ... the X-factors of the PBA. If your question requires more extensive research, analysis or advice then we can offer result oriented business-specific services.

6. Company-specific services:

The EDM services provide support for the innovation on methods in design, qualification, industrialization and production of Printed Board Assemblies. It provides support for PBA problem analysis (design choices, failures, manufacturing,...) and remediation.

Based on customer demand an offer is made. The basic rate is 1000/1250 Euro for an Adviser/Senior Adviser day. EDM partners and members enjoy a 20% discount on service charges. SMEs can (under certain conditions) appeal to the “KMO Portefeuille” Technological advice to fund the service.

7. Customer oriented training:

As part of company-specific services one can also call on us for training and information sessions on Printed Circuit Boards and Printed Board Assembly: PCB and PBA technology and manufacturing, PCB and PBA reliability and RoHS compliance are some of the themes that we offer. We typically focus on management, designers and those responsible for industrialization, production or quality. Our offer is complementary to the commercial offering. Contact us with your specific knowledge needs.

Becoming an EDM member or partner

Are you interested to become an EDM member or partner? You can enjoy the benefits as EDM member or partner through an EDM membership or partnership contract which is automatically renewed annually unless you cancel. We ask a small annual fee depending on the size of the connected business location. For more information regarding membership or partnership, we refer to the member and partner datasheet and <http://www.edmp.be/>.

For a detailed overview of our activities and operations and for more information, please visit our website <http://www.edmp.be/>.

For more information on EDM?

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