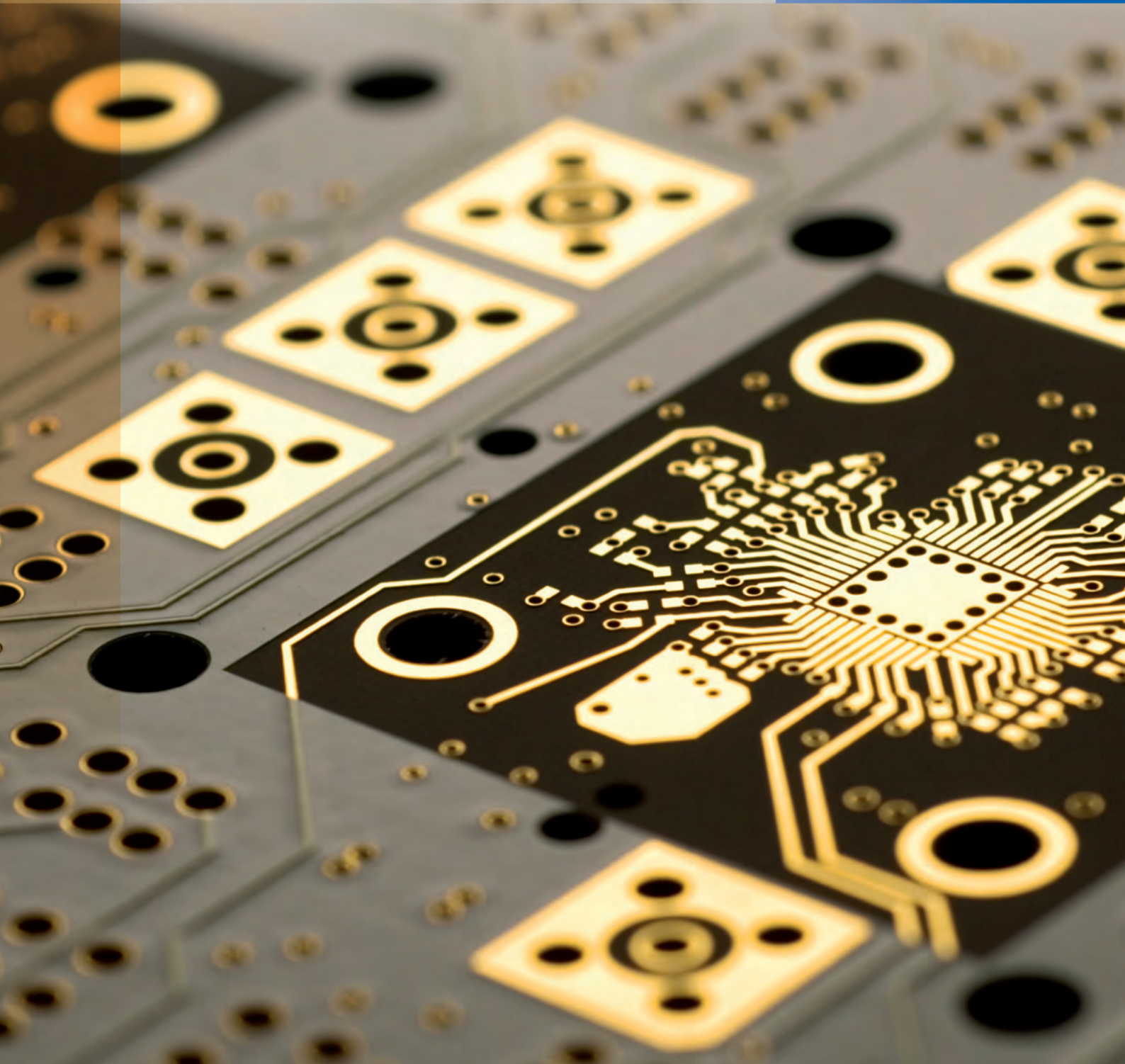


cicor printed
circuitboards

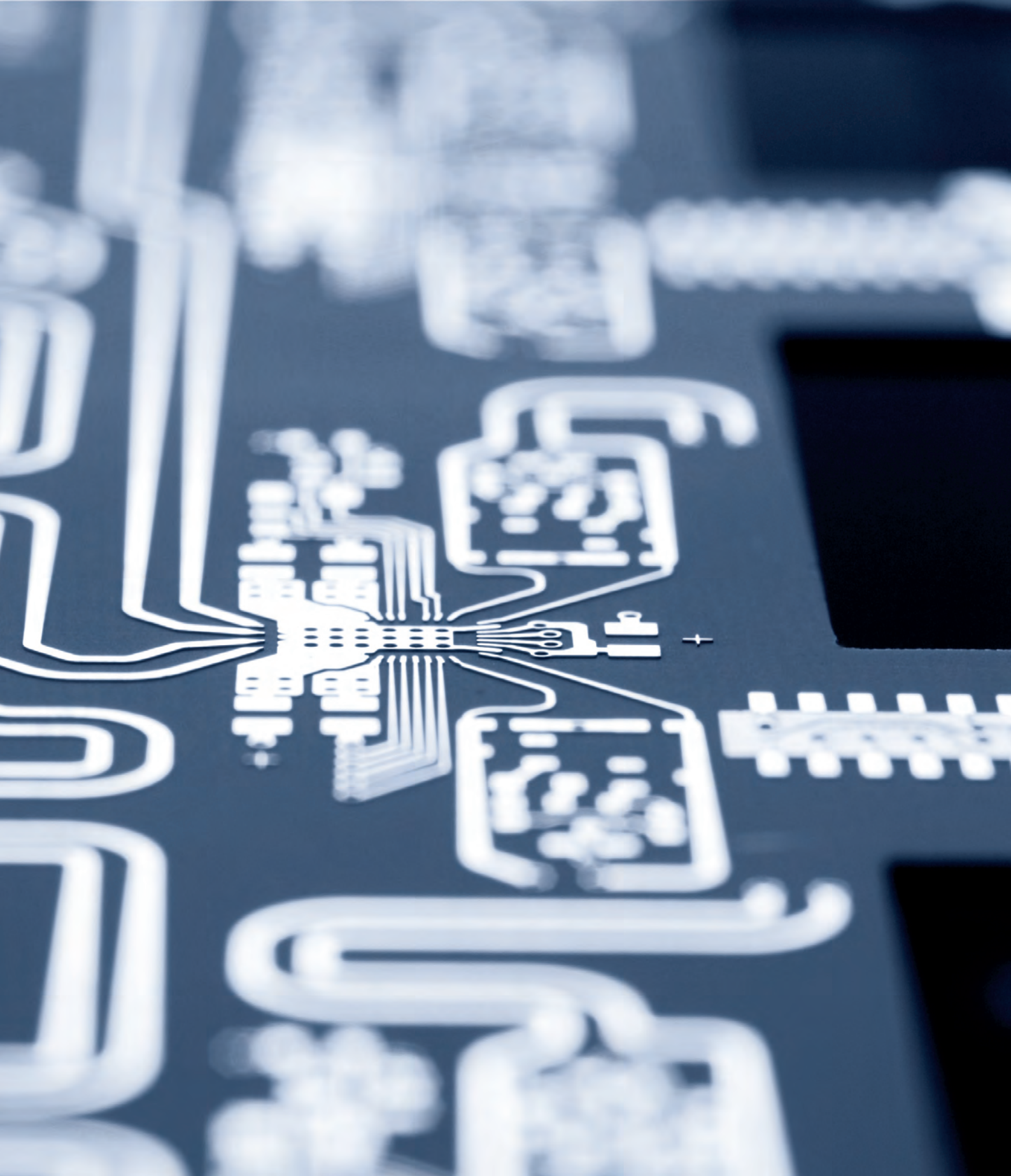
Customized
solutions

Rigid, flexible and rigid-flexible printed circuit boards
of the very highest quality



Competent. Innovative. Tailor-made.

“The quality of the thinking
determines the quality of the products
that will succeed tomorrow.”



Cicor Printed Circuit Boards

Where technological expertise leads to innovation

Cicor Printed Circuit Boards is a leading PCB manufacturer that has established itself as a competent and innovative specialist with a broad portfolio of products and services.

Working closely with you, we develop and manufacture sophisticated PCBs. In doing so we:

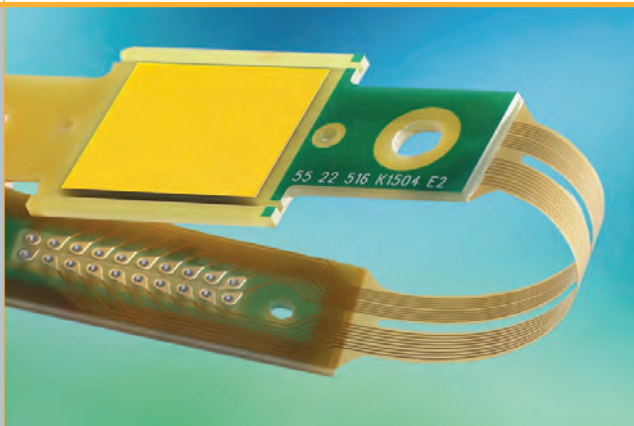
- always focus on efficient, cost-optimised manufacturing solutions
- guarantee the greatest possible delivery reliability and quality
- offer everything from prototypes to large-scale series production
- provide quick turn, or delivery on demand

Cicor Printed Circuit Boards is a division of the Cicor Group, based in Switzerland:

- global and local presence

Future-proof technological expertise

Cicor Printed Circuit Boards is known for its comprehensive expertise in multilayer boards (MLBs), high density interconnects (HDIs) and reel-to-reel technology. We develop and produce effective solutions – from the idea, through prototypes, to large-series production, from standard jobs to highly complex challenges – and guarantee that the products we develop are optimized for manufacture. Cross-divisional cooperation within the Cicor Group ensures that know-how and technology are kept at the cutting edge.



Customer-focussed development skills

The success of a product innovation depends on what happens in the planning and development phase. Here, customers of Cicor Printed Circuit Boards benefit from our extensive development skills. Our experienced engineers will work with you in partnership to develop optimum technical and commercial solutions that minimize the time between product development and placement on the market while maximizing market impact.



Guaranteed reliability

As a provider of challenging solutions, we supply the highest quality and guarantee reliability of delivery. We achieve this thanks to high process stability, state-of-the-art production facilities, progressive quality management, and manufacturing capacity at several different plants.



Global service

We're at your service. Cicor Printed Circuit Boards assigns direct points of contact to assist customers, as well as offering a global service network. Our specialists are available to help you wherever you need us – in Europe, the USA and Asia – so we can ensure service quality throughout the entire product life-cycle.



Range of services

What we offer:

- PCBs, HDIs and MCM-Ls
- Rigid PCBs with 1–50 layers
- Multilayer flexible and rigid-flexible PCBs
- Panel or reel-to-reel production lines
- Lines/spaces down to 35/35 μm (1.3 mil)
- Laser microvias down to 30 μm (1.2 mil)
- Mechanical microvias down to 100 μm (4 mil)
- Stacked/staggered microvias (up to 6-n-6)
- Sequential build-up, up to 8 times
- Impedance-controlled PCBs, $\pm 5\%$
- Planarity down to $\pm 12.5 \mu\text{m}$ (0.5 mil) on 100 mm (3.9") area
- Thin materials down to 12.5 μm (0.5 mil)
- Board thickness up to 6.8 mm (268 mil)
- Laser openings (cavities)
- Embedded resistors
- High-frequency materials
- Materials for temperature management
- Laser direct imaging
- All the most widely used surfaces are available (ENIG, ENEPIG, OSP, Sn, Ag, galvanic Ni/Au, HASL etc.)
- Electrical, optical and thermal tests
- ISO 9001: 2000
ISO 14001: 2004
OHSAS 18001: 2007



Industries and segments

- Medical
- Industrial
- Aerospace & defence
- Testing
- Telecommunications
- Biosensors
- Watch industry
- Sensors
- Automotive
- Research & development



Example applications

- Hearing aids
- Pacemakers and defibrillators
- Diagnostic electronics
- Biochips
- Satellites
- Communications and radar equipment
- Aircraft electronics
- Airbag initiators
- Semiconductor testing
- Particle detectors
- and other demanding applications



Competent. Innovative. Tailor-made.

**“The future is the result
of innovative ideas.”**

Global and local
presence

**Cicor –
the dynamic, high-growth technology group**

Cicor worldwide

Cicor is a Swiss group of leading companies in the electronics industry. It is organized into four divisions: Printed Circuit Boards (PCB), Microelectronics (ME), Electronic Solutions (ES) and Asia. The group's companies provide complete outsourcing services and a broad range of technologies for the manufacture of highly complex PCBs, hybrids and electronic modules. With around 1200 employees in 11 production sites in Switzerland and abroad, and more than 20 representative offices worldwide, the group supplies high-quality custom-made solutions to its clients all over the world.

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