

MICROCIRTECs Production Range of Printed Circuit Boards and Multilayer Boards

For more than 25 years the Microcirtec GmbH is a value-added supplier in the PCB-Industry. Due to our long experience and continuous urge to high perfection we are situated in a market position, allowing us to compete with the best in quality, efficiency and delivery on time.

Approximately 500 companies of the electronic industry, automotive, telecommunication, medical devices, aviation appliances and computer networking benefit from the quality of our products and services. On the company's plant of **25.000 sqm** we are able to produce **3.000 sqm** of single-sided, **8000 sqm** double-sided PCBs and **10.000 sqm** Multilayer per month.

Product Informations

-- Interconnect Carriers --

| Boards | Circuits | PCBs | PWBs | PCB Carriers | Circuit Boards | Printed Wiring Boards | Printed Circuit Boards | Rigid Boards | Circuit Cards | Printed Circuits |

- | Single Sided | Double Sided | Plated Through Hole | Multilayer Boards up to 12 Layers |
- | HDI (high density) Boards |
- | Buried Vias | Blind Vias | Embedded components
- | In Fine-Line | in Micro-Fine-Line | in HDI-Technologie | Microvias in Laser-Technologie SBU |
- | From Medium to High Volume |
- | Specifications in DIN | in MIL | in IPC | in UL-Approval (File 96892) |
- | Hot Air Leveling (HAL – also lead free) = Circuitry in bare copper with LPI Solder Mask |
- | Gold Fingers-, Tabs-, or Body Plating | Nickel & Immersion Gold (NiPAu) |
- | Immersion Tin Protection | OSP Organic Surface Protection
- | Legend & Special Screen Printing | Carbon Ink | Peelable Ink |
- | Profile in Routing | in V-Scoring | in Punching | in Cutting |
- | Electrical Testing in comparison with the Gerber network list |

Especially during the last few years we succeeded in realizing new sophisticated concepts of automatisations, cost control mechanisms and significant improvements in production techniques along with keeping the focus on total customer quality orientation. As a result we provide the markets with high industry-quality-products for a rate beating world market prices.

As in times of radical cuts in the "time-to-market" cyclis, our high-speed/high volume production and on time dependability enables you to be one step ahead in your product launch. Moreover comprehensive artwork engineering prior to production provides additional certainty to product reliability and shall guarantee that your choice of us is a big advantage in times of ruthless competition.

Concluding from our own innovative automation concepts, flexibility and our unbending effort to be at the cutting edge, we ensure PCBs at highest possible level of quality at prices, being competitive worldwide. As the role of PCBs gets more and more crucial for the business success in times of shortening time to market cycles, our products offer more potential for saving money than the price per unit: Our service & advisory concept helps you to launch your product on the market "on the first hit".

Technology Center "PP" (Pre Production):

In our Computer Aided Product Engineering (CAPE) Department the boards are submitted to a comprehensive review with regard to a sustainable manufacturability by one of the latest computer front-end systems. Naturally any fault in design or mechanics and any potential modification to reduce costs or increase yield is passed through to the customer on a fast communication transfer. That's our understanding of service commitment.

DFM (Design For Manufacturing), **FMEA** (Failure Mode and Effects Analysis), **CIP** (Continuous Improvement Program) and **SPC** (Statistical Process Control) are applied depending on product requirements.

Sensitive calculation:

We do not need a price "policy" as we use a sensitive - flexible calculation. Every progress in production efficiency for your product will be considered by the calculation just in time. Like this you will profit from improved productivity.

Flexibility and short ways to your key-accounter:

Our colleagues in the sales department are close to the location of the factory and have its own manufacturing experience. Your wishes can be fulfilled in short time.

Your contact persons:

	Telephone	Fax	eMail
<i>Sales:</i>			
Hildegard Völker	++49 2151 825 303	++49 2151 932 450	Hildegard.Voelker@microcirtec.de
Andreas Brügggen	++49 2151 825 316	++49 2151 932 453	Andreas.Brueggen@microcirtec.de
<i>Engineering Management:</i>			
Thomas Vornholt	++49 2151 825 218	49 2151 932 452	Thomas.Vornholt@microcirtec.de