

## Prototyping for microwave and RF applications

### Contact:

Cordula Krause-Widjaja  
cordula.krause-  
widjaja@lpkf.com  
Tel. +49 (0)5131 7095-1327  
Fax +49 (0)5131 7095-90

**LPKF  
Laser & Electronics AG**  
Osteriede 7  
D-30827 Garbsen  
www.lpkf.de

**Board of  
Managing Directors**  
Dr. Goetz M. Bendele (CEO)  
Christian Witt (CFO)

**Shares**  
Prime Standard  
ISIN 0006450000

Print free of charge,  
copy requested

» [Other press releases](#)

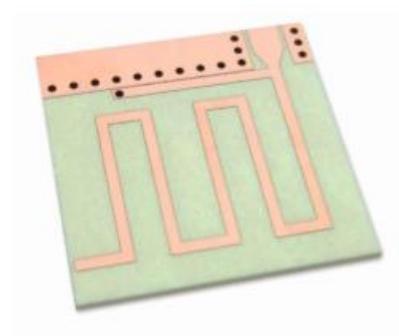
Product and brand names are trademarks of LPKF Laser & Electronics AG, registered among others at the US Patent and Trademark Office: LPKF® and the company logo, # 2,385,062 and # 2,374,780; Solarquipment®, # 3,494,986; ProConduct®, # 3,219,251; Allegro®, # 3,514,950.

### LPKF Laser und Electronics presents PCB Prototyping Solutions at European Microwave Week

The European Microwave Week will take place in Paris from 1st to 3rd October. Three different conferences offer manufacturers, institutions, academics and researchers the opportunity to learn about the latest trends and developments in the field of microwaves. At stand 325, LPKF will be presenting systems that can help laboratories and developers meet the special challenges of the HF market.

On the one hand, these are the circuit board plotters of the LPKF ProtoMat family. The automatically operated machines guarantee the production of fine structures down to 100 µm. Full process control remains with the developer. The LPKF ProtoMat S104 is fully equipped for the electronics laboratory. Thanks to the vacuum table and the high-performance spindle which operates at up to 100,000 rpm, the ProtoMat S104 is also suitable for HF applications and thin laminates as well as substrates with sensitive surfaces. The system software also takes into account the special requirements of RF materials.

On the other hand, the LPKF ProtoLaser ST laser system will be presented at the European Microwave Week. With the help of this table-top laser machine, which is compact and can be used with laser class 1 in practically any laboratory, complex digital and analog circuits, RF and microwave circuit boards can be created. The system achieves exact geometries on almost any - even very sensitive - material. This makes it ideal for structuring single or double-sided printed circuit boards, antennas, filters and many applications where precise and steep flanks are required. The LPKF ProtoLaser ST enables efficient prototyping or on-demand production of customer-specific small series.



**Fig. 1:** Plate-through high-frequency material



**Fig. 2:** The LPKF ProtoMat S104 circuit board plotter: special system especially for applications with HF materials



**Fig. 3:** The LPKF ProtoLaser ST also processes particularly sensitive and HF materials.

### **About LPKF**

LPKF Laser & Electronics AG manufactures machines and laser systems used in electronics fabrication, medical technology, the automotive sector, and the production of solar cells. Around 20 percent of the workforce is engaged in research and development.