

WÜRTH ELEKTRONIK MORE THAN YOU EXPECT



# POWERELEMENTS

High Current Terminals  
for PCB Connection



## WHO WE ARE

Würth Elektronik ICS (Intelligent Power & Control Systems) is a specialist and leading supplier for tailor-made electronic and electromechanical solutions. One of our product groups are our robust and reliable Power Supply Terminals for printed circuit boards.

Our knowledge is based on over 35 years of experience in the development and processing of Powerelements in press-fit technology, which we invented. Over the decades, we successfully implemented millions of Powerelements for our customers.

We stay true to our motto „More than you expect“ to secure our customers lasting success, make their life easier and inspire them constantly.

# PRODUCTION & SERVICE

## WE make the difference!

- Modern production facilities
- Quality made in Germany
- Highest quality standards – IATF 16949 certified



- Individual consulting, from the initial idea to series production – and beyond
- Design-in and qualification support
- Process consulting and production tools



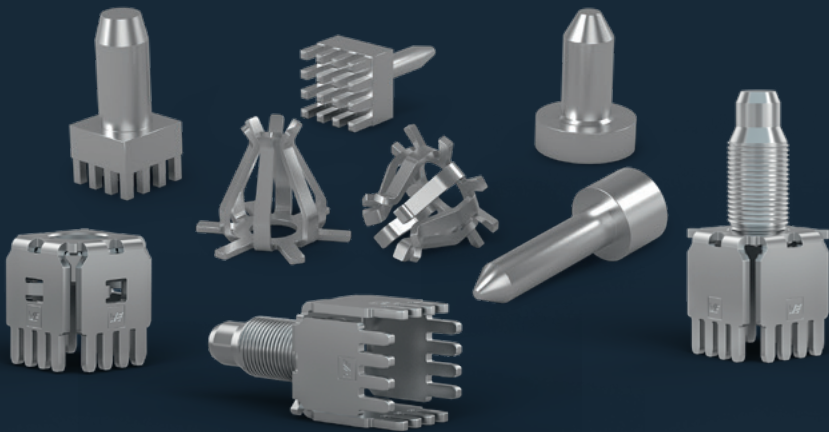
- Development of customised Powerelements
- Free samples and prototypes
- [www.powerelement.com](http://www.powerelement.com) – Online knowledge and shop platform around press-fit technology and Powerelements



# PRODUCT PORTFOLIO

## Nobody offers more!

- More than 3.000 Powerelements in standard portfolio
- Over 300 of them available in our online shop
- Available manufacturing processes: Press-Fit, THT, THR, SMT
- Excellent mechanical and electrical properties
- Flexible application possibilities
- Robust & reliable
- RoHS & REACH compliant
- Comprehensive product portfolio of sustainable lead-free Powerelements (<0,1% lead)

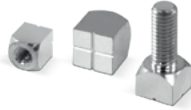


Original Powerelement Online Shop  
[www.powerelement.com](http://www.powerelement.com)

# DISCOVER OUR POWERELEMENTS



**PowerOne** 



**PowerOne SMD** 



**PowerTwo** 



**PowerLamella** 



**PowerRadSok** 



**PowerCover**



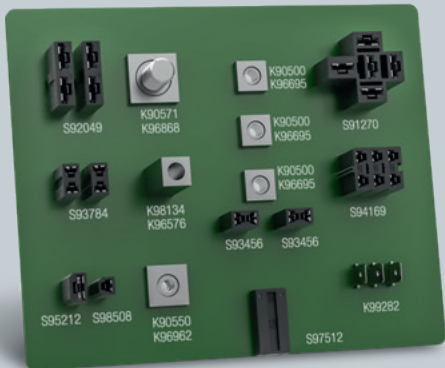
**LF PowerBasket** 



**LF PowerPlus** 



The marked Powerelements are also available lead-free!  
[www.LF-Powerelements.com](http://www.LF-Powerelements.com)



**WE ALSO OFFER  
POWERSOCKETS  
AND CUSTOMIZED  
BUSBARS.**



# PRESS-FIT TECHNOLOGY

**Over 35 years of experience!**

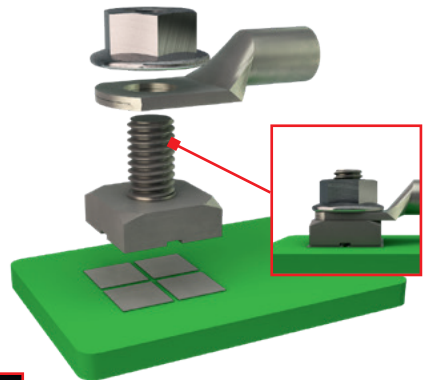
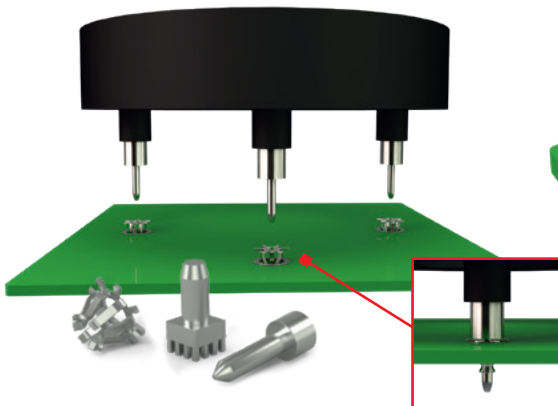
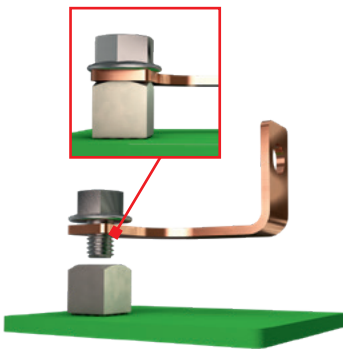
Press-fit technology is most notably suitable for high-current applications and for the use under harsh environmental conditions, because of

- excellent electrical characteristics due to significantly low contact resistance
- high mechanical load capacity and vibration resistance
- extreme long-term stability against environmental influences
- outstanding properties in comparison to traditional connecting solutions such as wiring harness or soldering technologies

# CONNECTING SOLUTIONS

Discover our numerous application possibilities!

- Wire-to-board: screw connection of ring terminals or pluggable connection
- Connection of components: fuses, switches, IGBTs modules, HV contactors, fuse and relay sockets, connectors, etc.
- Connection of busbars
- Mechanical fixation
- Board-to-board connection
- Double-sided assembly of the PCB
- Three-dimensional configurations by right angled press-fit connectors



WÜRTH ELEKTRONIK MORE THAN YOU EXPECT



## Contact us!

[powerelement@we-online.com](mailto:powerelement@we-online.com)

Live Chat at [www.powerelement.com](http://www.powerelement.com)

Hotline: **+49 7940 9810-4444**

Würth Elektronik ICS GmbH & Co. KG  
Headquarters (Niedernhall · Germany)

