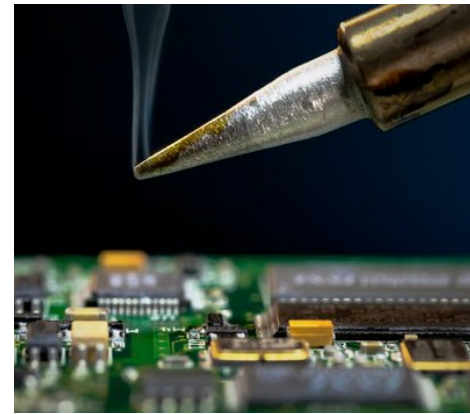
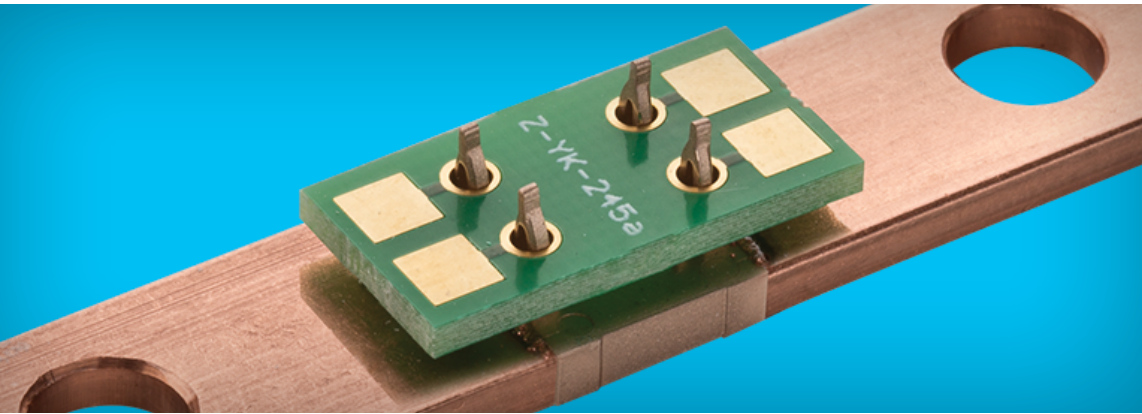




## CUSTOMER STORIES

# RETHINKING SOFT-SOLDER PROCESSES TO HELP INVERTER DESIGNS MEET NEW LEVELS OF PERFORMANCE



**Alternative contact technologies enabled by our unique alloys dramatically improve manufacturing efficiencies/cost models**

### CHALLENGE

*Addressing the limitations around reliability and lifetime expectations in connecting power electronics to PCB materials required a drastic re-examination of manufacturing practices. But alternative methods would rely on uncompromising performance of components.*

### SOLUTION

Adoption of Isabellenhütte alloys in the creation of solder-free products with unique packaging capabilities—combined with proven performance in creating reliable connections. When it is inserted into the PCB, the PressFIT pin is deformed in a predefined manner, forming a cold welded connection with the surrounding material.

### APPLICATION

PressFIT pins made from alloys that aid in robust reliable connections