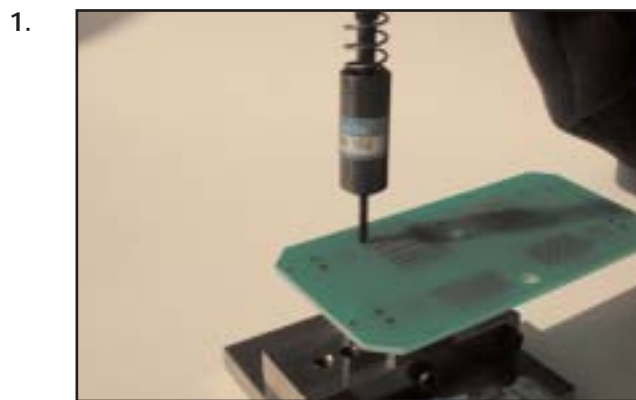


## Repair instruction ERmet ZD Male Connector

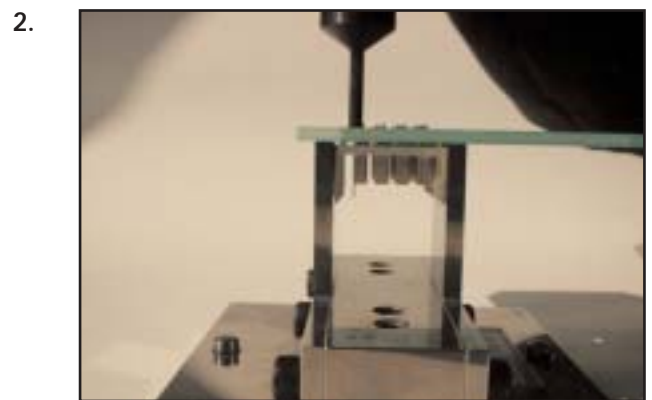
### Tools

1. Pressing in/out lower tool / Part number: 220654
2. Manual device for pressing out the signal contacts / Part number: 220150
3. Manual press-fitting device (respectively different according to the length of the signal contact)
  - Length: 5.3 mm / Part number: 220655
  - Length: 3.8 mm / Part number: 220669
4. Press-out upper tool for pressing out a complete blade contact strip (respectively different depending on build size)
  - Type 4-10 / Part number: 220653
  - Type 3-10 / Part number: 220670
  - Type 2-10 / Part number: 220671

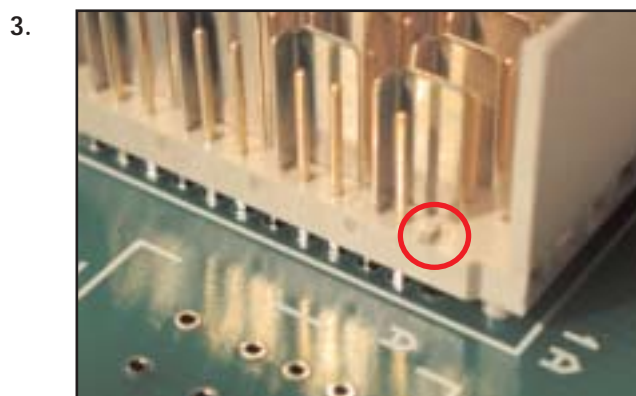
### Steps for replacing individual signal contacts of the male connector



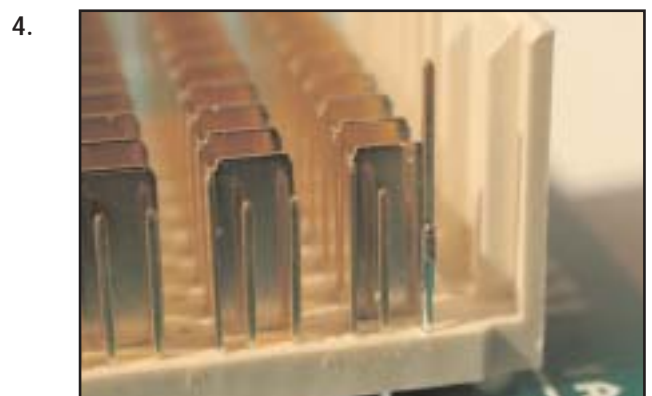
Place male connector into lower tool, with its termination side facing upwards, and place manual device on signal contact.



Use manual device to press out and remove signal contact in a downward direction.

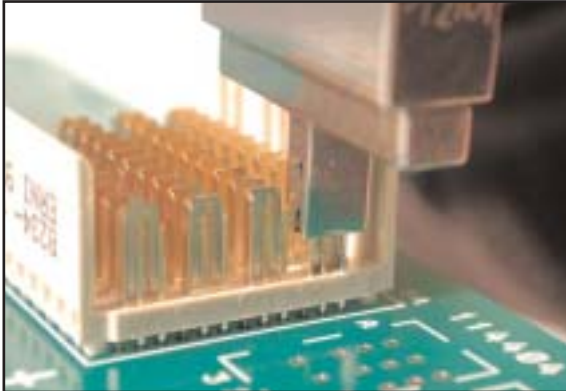


Clean position on male connector housing (e.g. with a pair of pincers). As plastic residues may remain when the contact is pressed out.



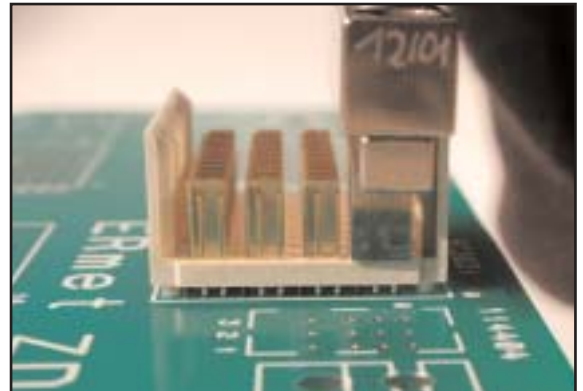
Fit new contact. The alignment of the contact should be noted. Align the contact such that it fits into the rectangular aperture in the housing.

5.



Press in the signal contact. The manual press-fitting device is guided through the shield of the signal contact.

6.

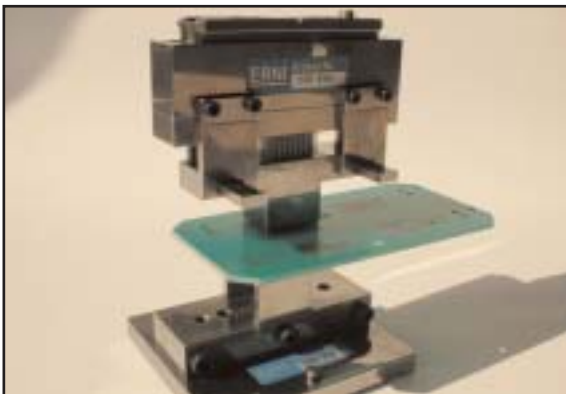


By pressing with the manual device, the contact is pressed in above the contact tip.  
(Manual device is different depending on the contact length)

**Warning: Only signal contacts can be replaced – no shield plates.**

## Replacing a complete male connector

1.



Clamp the lower and upper tool into the press. Then press out the complete male connector in a downward direction. The upper tool can be adjusted variously depending on the thickness of the printed circuit board or the pin termination length.  
Warning: Row 1 is marked.

2.



Adjustment with the arrester device screwed on. For pressing out male connectors where the signal contacts do not protrude from the printed circuit board.

3.



Adjustment with the arrester device screwed off. For pressing out male connectors where the signal contacts do protrude from the printed circuit board.