

Contacting Solutions for PCB Test



Progressive Series for Special Requirements

For reliable contacting of lead-free soldered pads and strongly contaminated or oxidized PCBs These outstanding contact probes differ from standard contact probes by special properties.



1. Minimized contamination

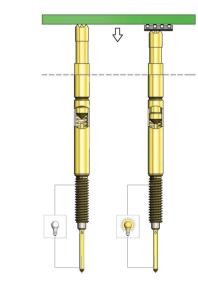
The functional "Progressive Coating" is much less sensitive to contaminations and 3-fold harder compared to a gold plating. In applications with contaminated contact surfaces this leads to a significantly increased life time.

2. Improved penetration of contaminations

For a reliable penetration of strong contaminations or viscous layers, special tip styles with an aggressive grind are available. In general, the choice of tip styles is a very important factor for a good contact.

Very good penetration of contaminations or oxide layers due to a higher preload of the spring. This higher preload leads to an optimized force effect with unchanged nominal force at nominal travel.

Presence and Position Test



Options for presence and position tests

Additionally to the electrical contacting, various presence or position tests of components, pin lengths etc can be realized:

1. Purely mechanical test

e.g. with insulation caps or step probes

with a simple switch probe, that opens or closes a switch circuit after a defined travel (see drawing)

by using a switch probe with two switch points (off-on-off characteristic)

4. Precise position determination

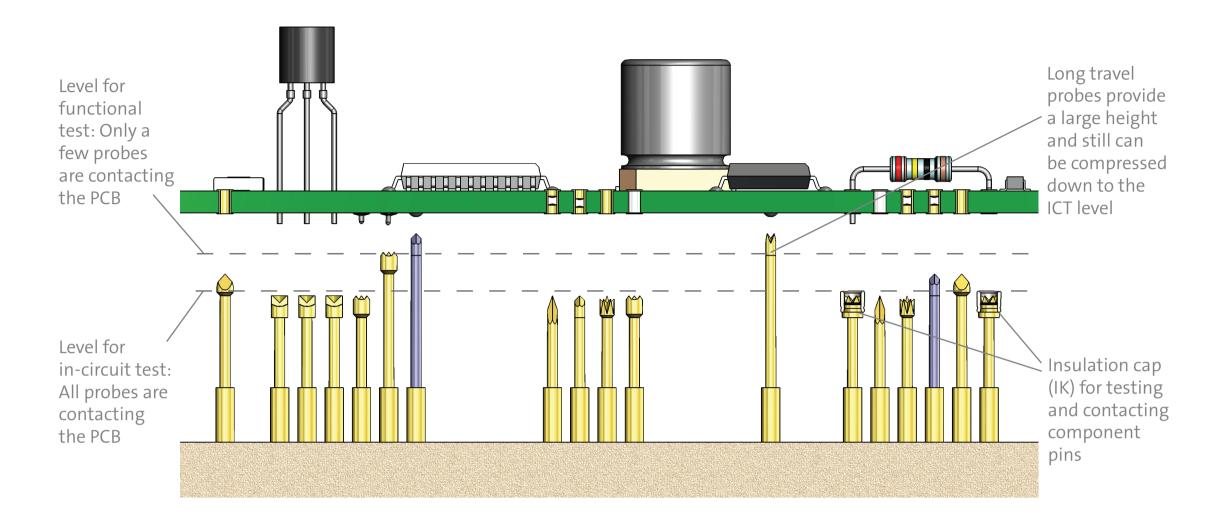
by using a contact probe with integrated potentiometer (position sensor system)

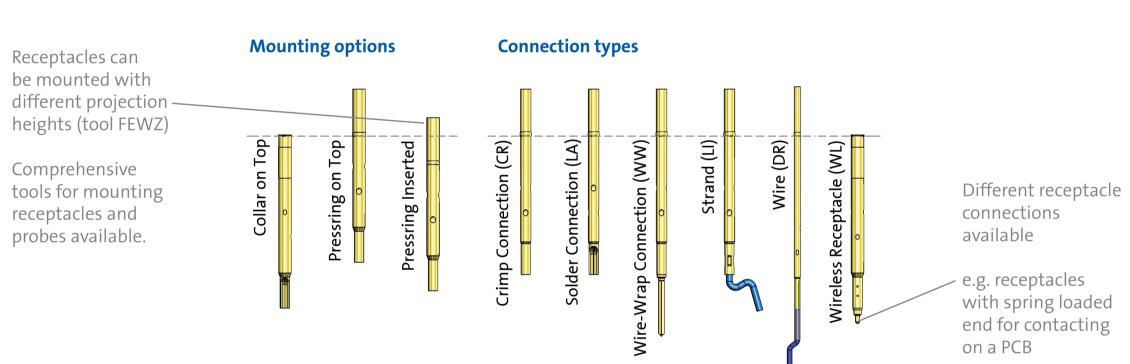
Have a Look at Our Tool Videos

Watching our tool videos makes it easy to understand the use of the tools in a very practical way. The QR-code directly leads you to the list of our videos on our homepage!









Test Connectors for USB, RJ, HDMI etc.

For a low wear and reliable contacting of standard interfaces. Compared to standard plugs these test connectors have the advantage that they do not snap into place and allow more than 100 000 test cycles. The fixture-side connection of the test contact is very simple and solderless through the corresponding standard socket (plug and play). Floating holding devices are available for mounting the test connectors.

Micro USB

TC-P 195 005 USB 2.0 B micro Holding device: TC-H 195



TC-P 200 002 RCA Holding device: TC-H 200



Mini USB

TC-P 198 005 USB 2.0 B mini Holding device: TC-H 198



F-Type TC-P 196 001 F QF Holding device: TC-H 196



TC-P 198 004 USB 2.0 A Holding device: TC-H 198



TC-P 201 004 RJ 09 Holding device: TC-H 201



USB 3.0

TC-P 198 009 USB 3.0 A Holding device: TC-H 198



TC-P 201 006 RJ 11 Holding device: TC-H 201



HDMI 1.4 TC-P 197 019 HDMI 1.4

Holding device: TC-H 197



RJ-45 TC-P 201 008 RJ 45 Holding device: TC-H 201 (flexible version available)



TC-P 226 019 HDMI 2.0 Holding device: TC-H 226



TC-P 201 010 RJ 50 Holding device: TC-H 201

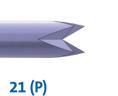


Tip Styles and their Applications

















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