

P702 a bare board probe with a selection of tip styles and spacing 0.63mm centres  
 New P707, SMT, BGA, testing. 0.70mm centres  
 P709 bare and loaded boards, SMT, components testing 1.00mm centres  
 P720 high performance micro-probes for bare SMT PCB testing 0.76mm centres

SERIES 702

### SPECIFICATION

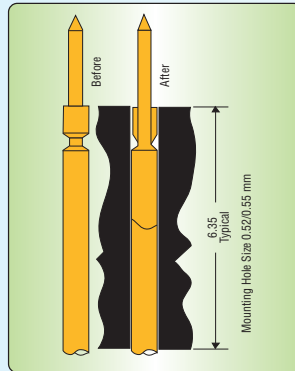
**PROBE P702**

Recommended minimum centres: 0.63mm

**MECHANICAL**  
 Full travel: 1.91mm  
 Recommended working travel: 1.27mm

**SPRING FORCE**  
 Preload: 0.11N  
 @ Working travel: 0.39N

**ELECTRICAL**  
 Max current: 2 amps  
 Terminal resistance: <50m ohms  
 Recommended hole size: 0.7mm



### TIP STYLES

**P702-A-(W30)** **P702-B-(W30)** **P702-DI-(W30)**

BeCu      BeCu      BeCu

**Note:** "W30" signifies supplied with 30" (76cms) of wire attached

SERIES 720

### SPECIFICATION

**PROBE P720**

Recommended minimum centres: 0.76mm

**MECHANICAL**  
 Full travel: 2.00mm  
 Recommended working travel: 1.35mm

**SPRING FORCE**  
 Preload: 0.13N  
 @ Working travel: 0.30N

**ELECTRICAL**  
 Max current: 0.5 amp  
 Terminal resistance: <150m ohms

### RECEPTACLES

**R720-PW**

**Note:** Pre-wired with 700mm of wire

### TIP STYLE

**P720-Q3**

STEEL

The top of the P702 barrel is flared, making its design different from other probes. This allows them to be 'pressed' directly into the probe plate, eliminating the need for a receptacle or gluing. This 'press-fit' feature also permits it to be installed in a variety of probe plate thicknesses and to be replaced relatively easily.

The P702 is available either with or without 76cms of 30AWG insulated wire attached and is installed into the probe plate with a probe insertion tool (PIT 702) or a pair of tweezers. Shrink tubing can be used on alternate probes to provide strain relief in the termination and to reduce the possibility of electrical shorting.

To replace the probe, the wire is cut at the termination and the probe is then pushed out of the probe plate.

SERIES 709

### SPECIFICATION

**PROBE P709**

Recommended minimum centres: 1.0mm

**MECHANICAL**  
 Full travel: 2.3mm  
 Recommended working travel: 2.0mm

**SPRING FORCE**  
 Preload: 0.1N  
 @ Working travel: 0.5N

**ELECTRICAL**  
 Max current: 0.5 amp  
 Terminal resistance: <65m ohms  
 Recommended hole size: 0.7mm

### RECEPTACLES

**R709**

### TIP STYLES

**P709-B** **P709-E1**

BeCu      BeCu

SERIES 707

### SPECIFICATION

**PROBE P707**

Recommended minimum centres: 0.70mm

**MECHANICAL**  
 Full travel: 2.5mm  
 Recommended working travel: 2.0mm

**SPRING FORCE**  
 Preload: 0.1N  
 @ Working travel: 0.5N ±20%

**ELECTRICAL**  
 Max current: 1.0 amp  
 Terminal resistance: <70m ohms  
 Recommended hole size: 0.7mm

### RECEPTACLES

**WP707**

**N.B.** Connecting plug WP707 is also available on request with 500mm insulated solid wire (0.05mm<sup>2</sup> / AWG30). Part Number R707-PW

### TIP STYLES

**P707-D1** **P707-E1**

STEEL      STEEL

**PROBE ORDER CODE**  
**P702 - B (- W30)**  
 Series Tip Style Optional

**Note:** Tip Material shown Black - Standard Stock Item