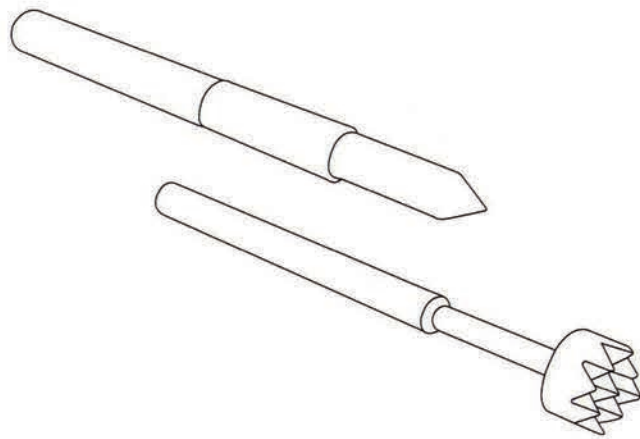




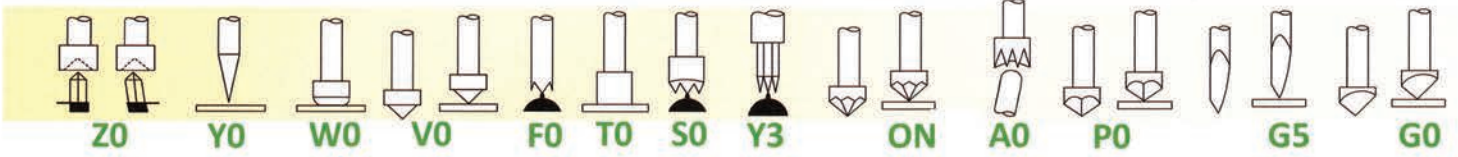
UNIVERSAL PART AND SERVICE CO.,LTD.

Spring probe & receptacle



OVERVIEW OF PROBE PLUNGER STYLE

Contact probes and receptacle are developed especially for testing electrical requirements in a variety of applications. They provide a reliable means to test in bare or loaded printed circuit boards and other circuitries where a number of contact points must be accessed.



Z0 Long Leads, Terminals or Wire Wrap Posts

Concave

Y0 Lands, Pads or Plated through Holes

Spear Points

Y3 Lands, Pads or Contaminated Boards - Self-Cleaning

3-Point Spear

W0 Gold Edge Finders, Pads - No indentations or marks

Spherical Radius

V0 Lands, Pads or Plated through Holes

Convex

T0 Gold Edge Finders, Pads - No indentations or marks

Flat

S0 Lands, Pads, Leads, or Terminals

Serrated

Q0 Gold Edge Finders Pads - No indentations or marks

Spherical Radius

P0 Lands Pads or Plated through Holes - Self-Cleaning

Chisel

ON Lands, Pads or Plated through Holes - Self-Cleaning

Star

G0 Lands, Pads or Plated through Holes - Self-Cleaning

Chisel

G5 Lands, Pads or Vias, Contaminated Boards, OSP, Self-Cleaning

Chisel Spear

F0 Lands, Pads, Leads or Wire Wrap Posts - Self-Cleaning

4-Point Crown

F1 Small Pads or Lands, Contaminated Boards

Tapered Crown

E0 Lands, Pads, Leads or Wire Warp Posts - Self-Cleaning

4-Point Crown

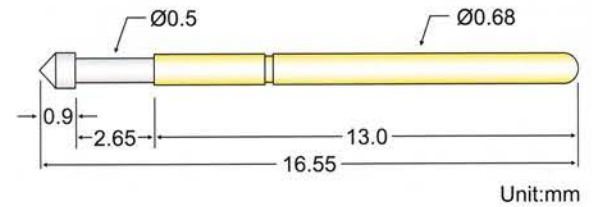
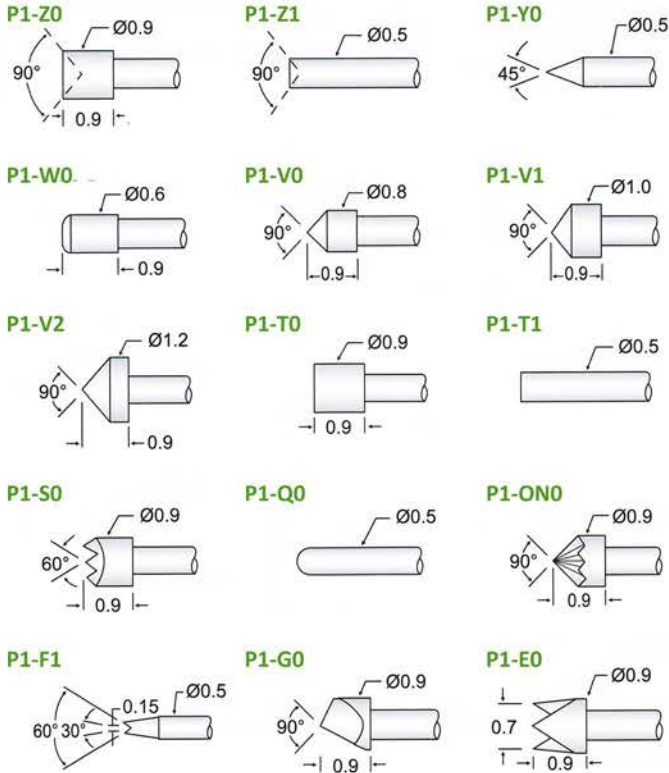
A0 Lands, Pads, Leads or Plated through Holes - Self-Cleaning

Tulip

* Specification subjects to change without notice

P1-SERIES

PLUNGER



MATERIAL

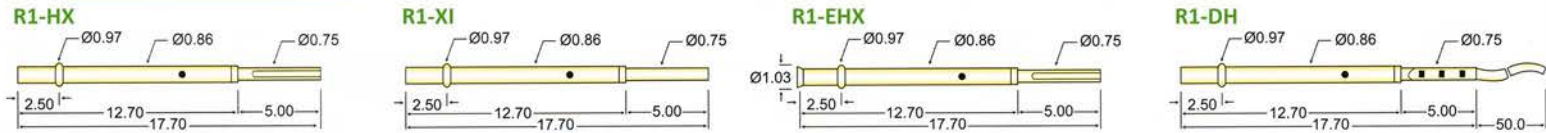
Plunger	: Full-hard Beryllium Copper, gold-plated over nickel
Barrel	: Brass, gold-plated
Spring	: Stainless steel
Receptacle	: Brass, gold-plated

TECHNICAL SPECIFICATION

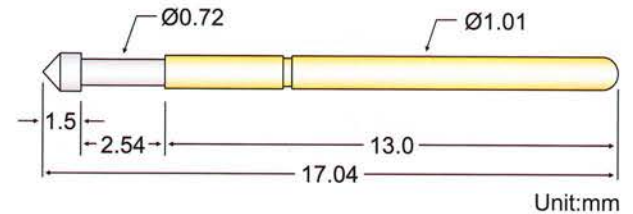
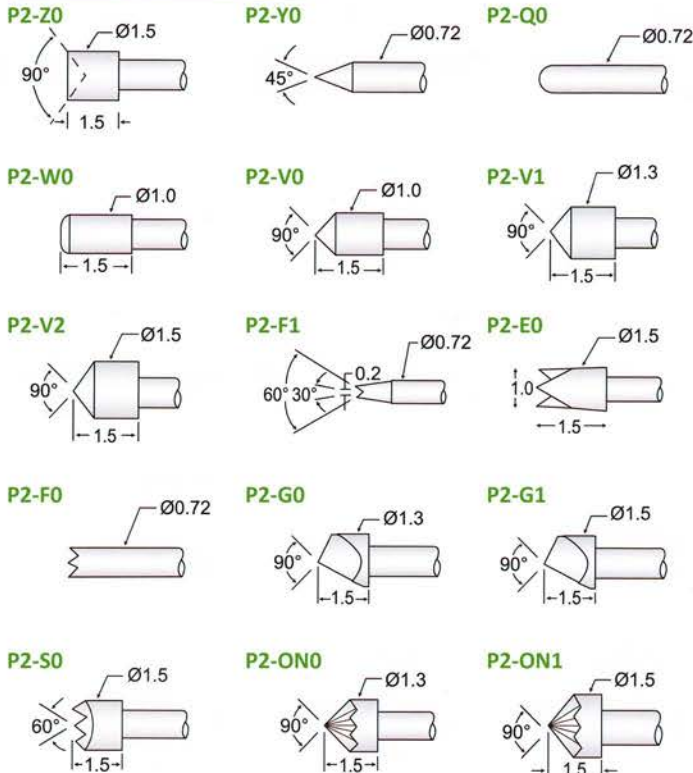
Recommend min. Center	: 1.27mm (50mil)
Full Travel	: 2.65mm
Spring Pressure (±20%)	: 80g
Current Rating	: 3A, continuous
Contact Resistance	: 50mΩ
Mounting Hole Size	: Ø0.9mm

* Specification subjects to change without notice

RECEPTACLE



PLUNGER



MATERIAL

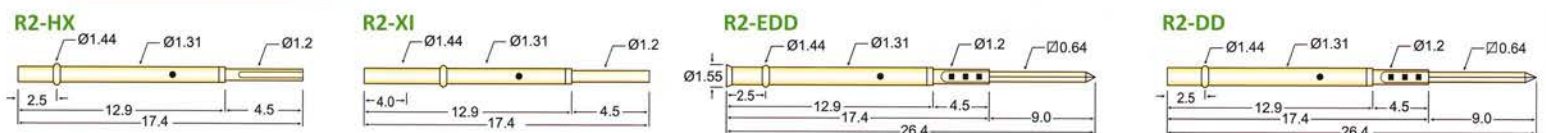
Plunger	: Full-hard Beryllium Copper, gold-plated over nickel
Barrel	: Brass, gold-plated
Spring	: Stainless steel
Receptacle	: Brass, gold-plated

TECHNICAL SPECIFICATION

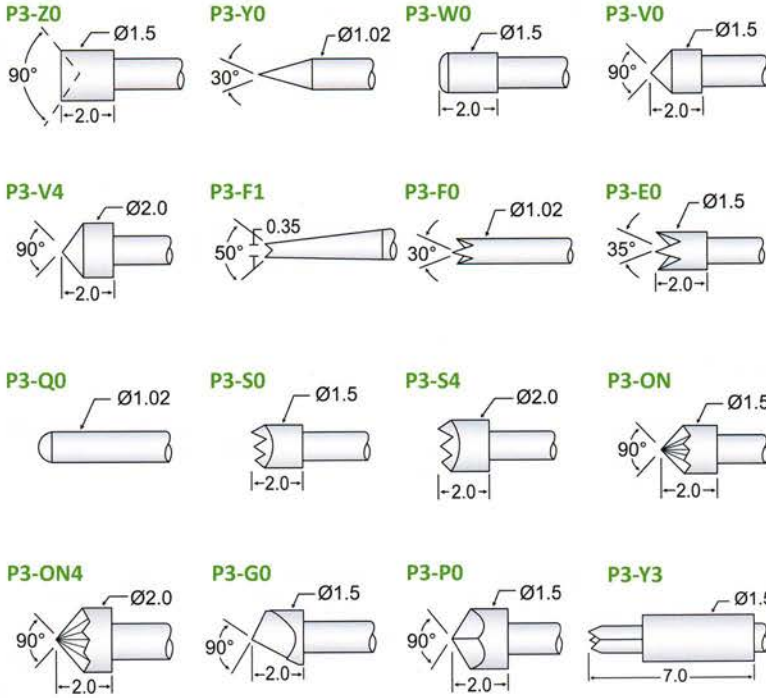
Recommend min. Center	: 1.90mm (75mil)
Full Travel	: 2.54mm
Spring Pressure (±20%)	: 128g
Current Rating	: 3A, continuous
Contact Resistance	: 50mΩ
Mounting Hole Size	: Ø1.35mm

* Specification subjects to change without notice

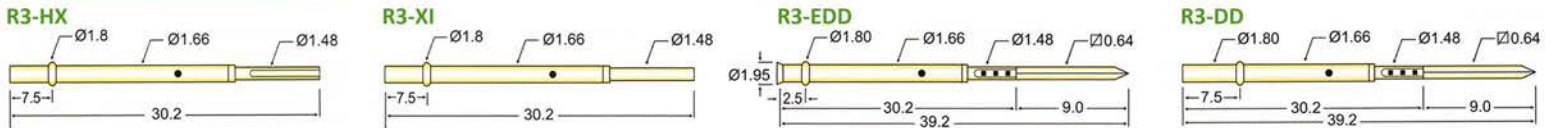
RECEPTACLE



PLUNGER



RECEPTACLE



P3-SERIES



MATERIAL

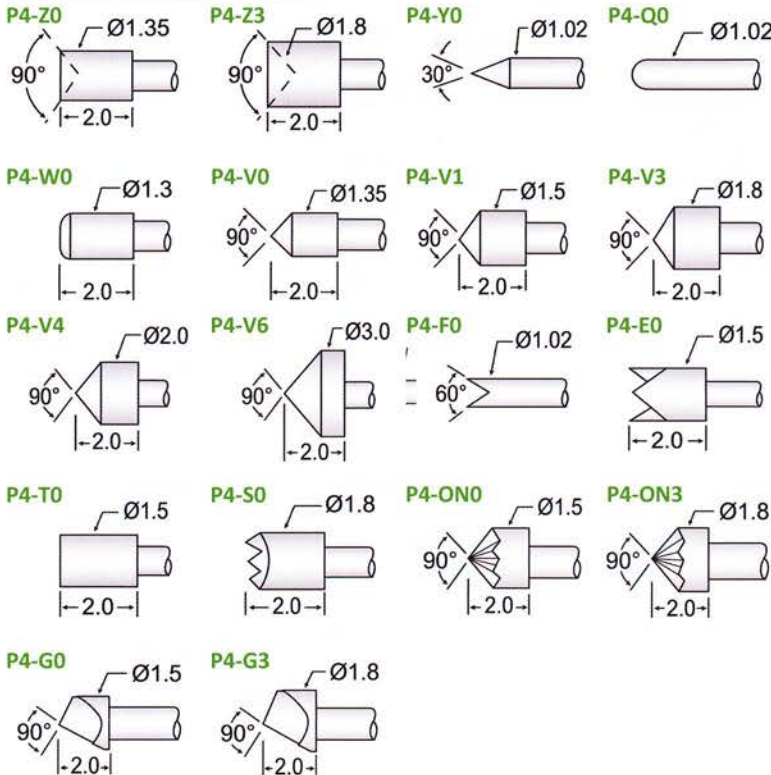
Plunger : Full-hard Beryllium Copper, gold-plated over nickel
Barrel : Brass, gold-plated
Spring : Stainless steel
Receptacle : Brass, gold-plated

TECHNICAL SPECIFICATION

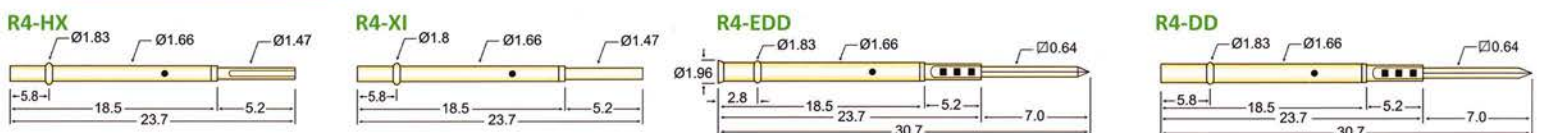
Recommend min. Center : 2.54mm (100mil)
Full Travel : 6.30mm
Spring Pressure (±20%) : 150g / 250g
Current Rating : 3A, continuous
Contact Resistance : 50mΩ
Mounting Hole Size : Ø1.75mm

* Specification subjects to change without notice

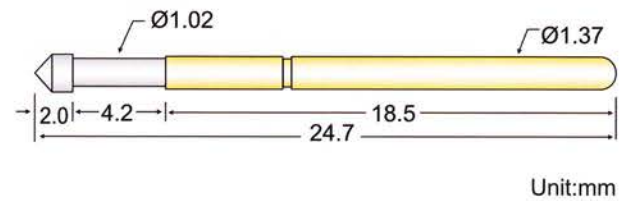
PLUNGER



RECEPTACLE



P4-SERIES



MATERIAL

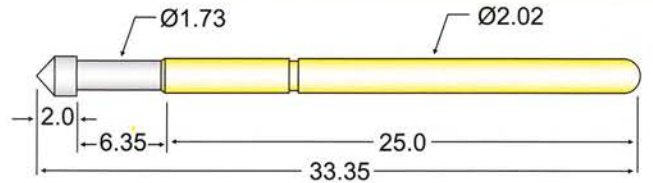
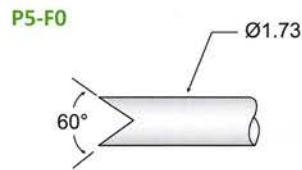
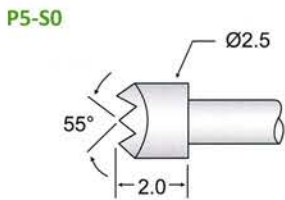
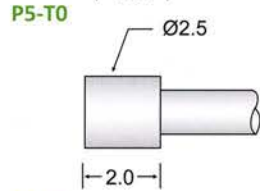
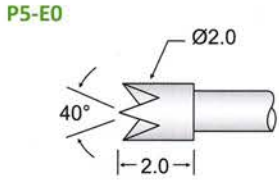
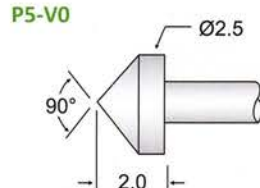
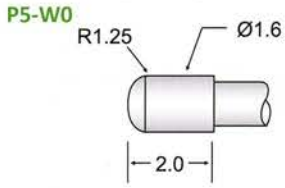
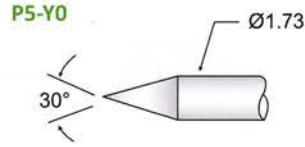
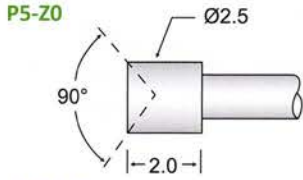
Plunger : Full-hard Beryllium Copper, gold-plated over nickel
Barrel : Brass, gold-plated
Spring : Stainless steel
Receptacle : Brass, gold-plated

TECHNICAL SPECIFICATION

Recommend min. Center : 2.54mm (100mil)
Full Travel : 4.20mm
Spring Pressure (±20%) : 110g / 200g / 250g
Current Rating : 3A, continuous
Contact Resistance : 50mΩ
Mounting Hole Size : Ø1.75mm

* Specification subjects to change without notice

PLUNGER



Unit:mm

MATERIAL

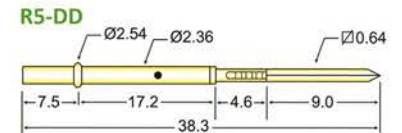
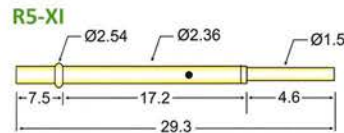
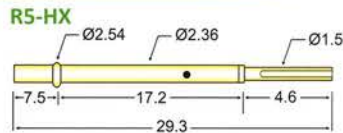
Plunger	: Full-hard Beryllium Copper, gold-plated over nickel
Barrel	: Brass, gold-plated
Spring	: Stainless steel
Receptacle	: Brass, gold-plated

TECHNICAL SPECIFICATION

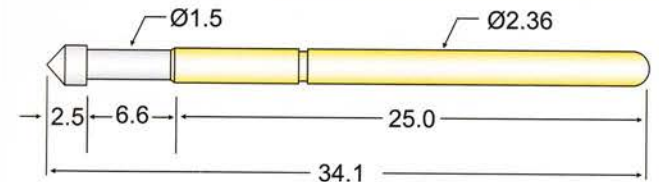
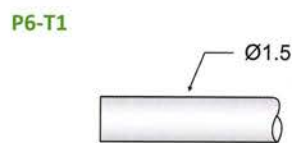
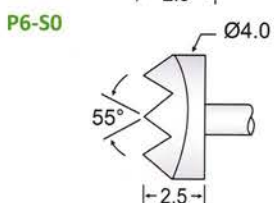
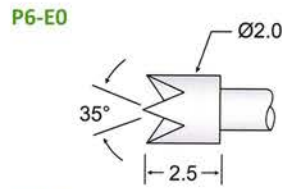
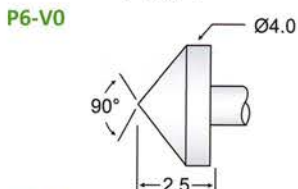
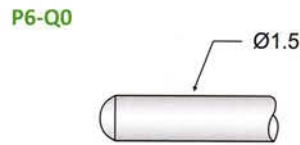
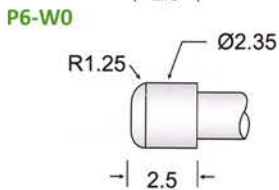
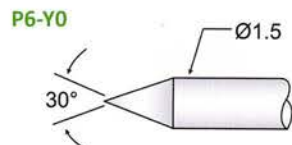
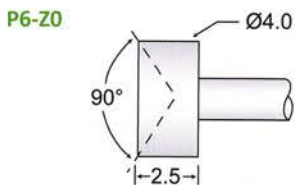
Recommend min. Center	: 3.17mm (125mil)
Full Travel	: 6.35mm
Spring Pressure (±20%)	: 110g / 200g / 250g
Current Rating	: 5A, continuous
Contact Resistance	: 50mΩ
Mounting Hole Size	: Ø2.40mm

* Specification subjects to change without notice

RECEPTACLE



PLUNGER



Unit:mm

MATERIAL

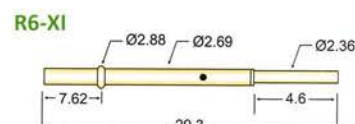
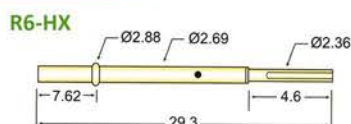
Plunger	: Full-hard Beryllium Copper, gold-plated over nickel
Barrel	: Brass, gold-plated
Spring	: Stainless steel
Receptacle	: Brass, gold-plated

TECHNICAL SPECIFICATION

Recommend min. Center	: 3.97mm (156mil)
Full Travel	: 6.60mm
Spring Pressure (±20%)	: 150g / 250g
Current Rating	: 5A, continuous
Contact Resistance	: 50mΩ
Mounting Hole Size	: Ø2.75mm

* Specification subjects to change without notice

RECEPTACLE



P6-SERIES