

General Final Test

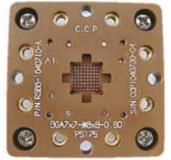
C.C.P. has over 25 years experience in the development and manufacturing of sockets and pins. Our team of researchers is constantly improving the materials and manufacturing process to offer our customers the best solutions. We have developed more than 200 types of customized pins and more than 30 types of above standard pins that easily reach the yield standard at simulating high-frequency performance and deliver superb performance to our clients.

Design Concept

Applied IC package BGA, QFN, QFP, LGA, CSP

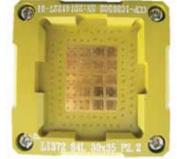


QFN Socket Pitch o.3mm



BGA Socket Pitch o.8mm

Pitch 0.2~2.2mm



LGA Socket Pitch:2.2mm

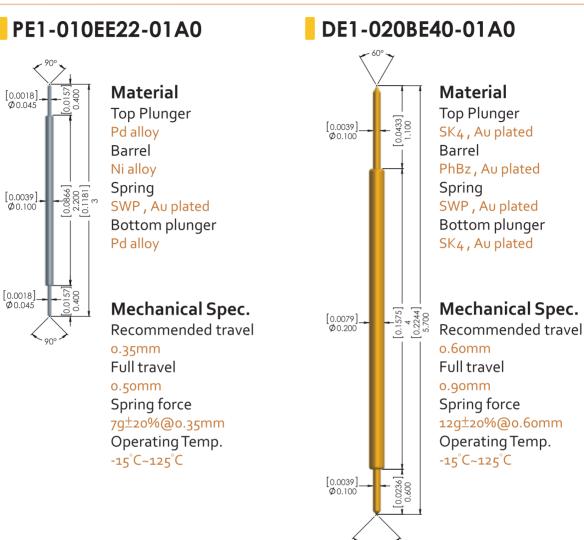
Knob

Block

		Lid
General IC test Socket	Specification	
IC Package Size	1.5X1.5~38X38 mm ²	
Min. Pitch	0.2mm	
Material	Torlon 4203, Torlon 5530, PEEK, PEEK ceramic, SCP 5000	
Data Rate	6 Gpbs/ 8 Gpbs/ 12 Gpbs Performance will be different according to testing condition	
Life Time (Pin)	>200K	V:

Ø0.045





Electrical Spec. Pitch: 0.2mm Socket Material: Peek 1000

G G

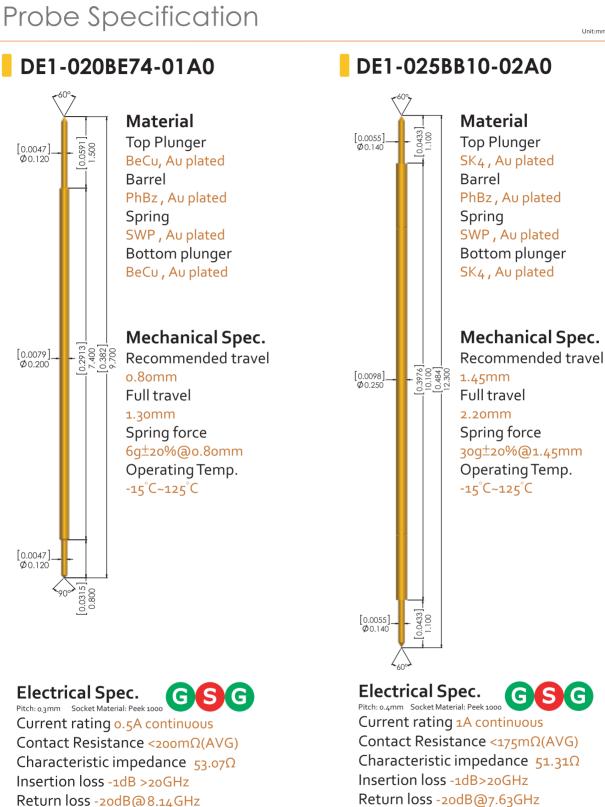
Current rating o.6A continuous Contact Resistance <300mΩ(AVG) Characteristic impedance 80.8Ω Insertion loss -1dB@9.9GHz Return loss -20dB@2.48GHz Time delay 13.74 psec Loop inductance 1.11 nH Capacitance 0.17 pF

Electrical Spec. Pitch: 0.3mm Socket Material: Pe



Current rating 1A continuous Contact Resistance $<200m\Omega(AVG)$ Characteristic impedance 55.9Ω Insertion loss -1dB>20GHz Return loss -20dB@12.88GHz Time delay 26.83 psec Loop inductance 1.5 nH Capacitance 0.48 pF





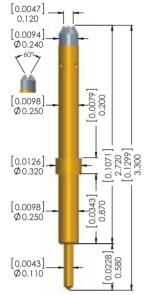
Return loss -20dB@8.14GHz Time delay 46.17psec Loop inductance 2.45 nH Capacitance 0.87 pF

*All specifications are subject to changes without prior notification

Time delay 55.93 psec Loop inductance 2.87 nH

Capacitance 1.09 pF

PE4-025EF24-01A0



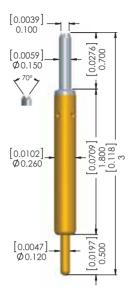
Material Top Plunger Pd alloy Barrel PhBz, Au plated Spring SWP, Au plated [100,000 SWP, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel o.40mm

Full travel 0.51mm Spring force 23g±20%@0.40mm Operating Temp. -15°C~125°C

PE3-026DF17-01F0



Material Top Plunger Pd alloy Barrel PhBz, Au plated Spring SWP, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel o.35mm Full travel o.50mm Spring force 20g±20%@0.35mm Operating Temp. -15°C~125°C

Electrical Spec. Pitch: 0.4mm Socket Material: Peek 1000



Current rating 1A continuous Contact Resistance <75mΩ(AVG) Characteristic impedance 50.15 Ω Insertion loss -1dB>20GHz Return loss -2odB>20GHz Time delay 16.55 psec Loop inductance 0.83 nH Capacitance 0.33 pF





Current rating 1A continuous Contact Resistance <75mΩ(AVG) Characteristic impedance 57.68Ω Insertion loss -1dB>20GHz Return loss -20dB@9.16GHz Time delay 13.31 psec Loop inductance 0.77 nH Capacitance 0.23 pF

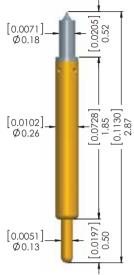
Unit:mm; []:in





Probe Specification

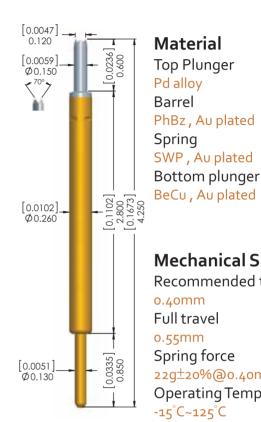
PE3-026BD18-01A0



Material **Top Plunger** Pd alloy Barrel PhBz, Au plated Spring SWP, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel o.30mm Full travel 0.40mm Spring force 24g±20%@0.30mm Operating Temp. -15°C~125°C



PE3-026DF27-01F0

Mechanical Spec. Recommended travel o.40mm Full travel 0.55mm Spring force 22g±20%@0.40mm Operating Temp. -15°C~125°C

Electrical Spec.



Pitch: 0.4mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance <75mΩ(AVG) Characteristic impedance 54.77 Ω Insertion loss -1dB@>20GHz Return loss -20dB@16GHz Time delay 12.6 psec Loop inductance 0.69 nH Capacitance 0.23 pF

Electrical Spec.



Pitch: 0.4mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance $< 75 m \Omega(AVG)$ Characteristic impedance 54Ω Insertion loss -1dB>20GHz Return loss -20dB@18.9GHz Time delay 21.7 psec Loop inductance 1.18 nH Capacitance 0.40 pF

Unit:mm; []:in

DE1-026BE40-01A0

0.0433

[0.1575] 4 [0.2244] 5.700

0.0236

[0.0039] Ø0.100

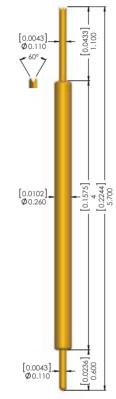
[0.0102]_ Ø0.260

> [0.0039] Ø0.100

Material Top Plunger BeCu, Au plated Barrel PhBz, Au plated Spring SUS, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel o.65mm Full travel 1.00mm Spring force 14g±20%@0.65mm Operating Temp. -55°C~150°C



DE1-026DF40-02A0

Material Top Plunger BeCu, Au plated Barrel PhBz, Au plated Spring SUS, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel o.65mm Full travel o.85mm Spring force 18g±20%@o.65mm Operating Temp. -55°C~150°C

Electrical Spec.



Pitch: 0.4mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance <175mΩ(AVG) Characteristic impedance 49.46Ω Insertion loss -1dB@16.7 GHz Return loss -2odB@8.23GHz Time delay 27.7 psec Loop inductance 1.37 nH Capacitance 0.56 pF

Electrical Spec.



Current rating 1A continuous Contact Resistance <175mΩ(AVG) Characteristic impedance 47.71 Ω Insertion loss -1dB@17.81GHz Return loss -2odB@6.45GHz Time delay 27.67psec Loop inductance 1.32 nH Capacitance 0.58 pF





SK4, Au plated Barrel PhBz, Au plated PhBz, Au plated Spring SWP, Au plated SWP, Au plated Bottom plunger Bottom plunger BeCu, Au plated SK4, Au plated [0.2126] 5.400 [0.2559] 6.500 [0.0114] Ø0.290 **Mechanical Spec.** Recommended travel 0.70mm Full travel Full travel [0.0039] 0.100 1.10mm Spring force Spring force [0.0134] Ø0.340

[0.0114] Ø0.290

[0.0059] Ø0.150

[0.0043] 0.110

[0.0087] Ø0.220

Top Plunger SK4, Au plated

Material

DE4-029FF45-01A0

Mechanical Spec. Recommended travel 30g±20%@0.70mm Operating Temp. -15°C~125°C

Electrical Spec.



Pitch: 0.4mm Socket Material: Peek 10 Current rating 1A continuous Contact Resistance $<175 m \Omega(AVG)$ Characteristic impedance 49.6Ω Insertion loss -1dB@17.49GHz Return loss -20dB@ 7.92GHz Time delay 27.7 psec Loop inductance 1.38nH Capacitance 0.56 pF

Probe Specification

Material

Barrel

Spring

0.65mm

1.10mm

28g±20%@0.65mm

Operating Temp.

-15°C~125°C

Top Plunger

DE1-028EF40-05A0

[0.0433] 1.100

1 [0.1573] . 3.996 [0.2244] . 5.700

[0.0236] 0.600

[0.0059] Ø0.150

[0.0110] Ø0.280

[0.0059] Ø0.150

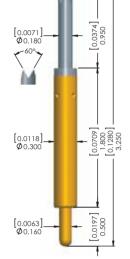
Electrical Spec. Pitch: 0.4mm Socket Material: Peek 1000

[0.0433] 1.100



Current rating 1A continuous Contact Resistance $<_{75m}\Omega(AVG)$ Characteristic impedance 44.38Ω Insertion loss -1dB>20GHz Return loss -20dB@3.77GHz Time delay 28.84 psec Loop inductance 1.28 nH Capacitance 0.65 pF

PE3-030DF17-03A0

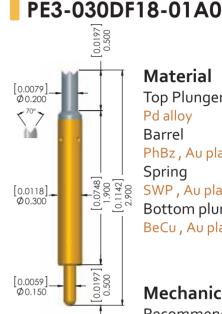


Material Top Plunger Pd alloy Barrel PhBz, Au plated Spring SWP , Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel 0.35mm

Full travel 0.45mm Spring force 27g±20%@0.35mm Operating Temp. -15°C~125°C



Material **Top Plunger** Pd alloy Barrel PhBz, Au plated Spring SWP, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel 0.40mm Full travel 0.50mm Spring force 35g±20%@0.40mm Operating Temp. -15°C~125°C

Electrical Spec.



Pitch: 0.4mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance <75mΩ(AVG) Characteristic impedance 48.19Ω Insertion loss -1dB>20GHz Return loss -20dB@8.59GHz Time delay 14.94 psec Loop inductance 0.72 nH Capacitance 0.31 pF

Electrical Spec.



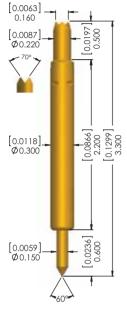
Pitch: 0.4mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance $<_{75m}\Omega(AVG)$ Characteristic impedance 42.36Ω Insertion loss -1dB >20GHz Return loss -20dB@6.47GHz Time delay 14.4 psec Loop inductance o.61 nH Capacitance 0.34 pF



Pitch 0.2

Probe Specification

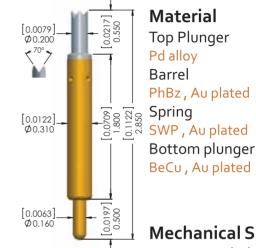
DE3-030BF21-03F0



Material Top Plunger BeCu , Au plated Barrel PhBz, Au plated Spring SWP , Au plated Bottom plunger BeCu , Au plated

Mechanical Spec. Recommended travel o.40mm Full travel o.55mm Spring force 30g±20%@o.40mm Operating Temp. -15°C~125°C

PE3-031DF17-03F0



Mechanical Spec. Recommended travel 0.35mm Full travel 0.45mm Spring force 35g±20%@0.35mm Operating Temp. -15°C~125°C

Electrical Spec.



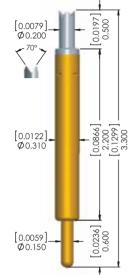
Pitch: 0.4mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance <75mΩ(AVG) Characteristic impedance 42Ω Insertion loss -1dB>20GHz Return loss -20dB@7.15GHz Time delay 16.4 psec Loop inductance 0.69nH Capacitance 0.39pF





Pitch: 0.4mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance $<75m\Omega(AVG)$ Characteristic impedance 39.9 Ω Insertion loss -1dB>20GHz Return loss -2odB@4.5GHz Time delay 14.7 psec Loop inductance 0.59 nH Capacitance 0.37 pF

PE3-031DF21-03F0

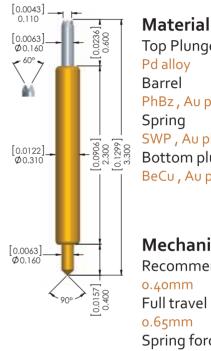


Material Top Plunger Pd alloy Barrel PhBz, Au plated Spring SWP, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel 0.35 mm Full travel o.60mm Spring force 35g±20%@0.35mm Operating Temp. -15°C~125°C

PE1-031EF23-02F0



Top Plunger Pd alloy Barrel PhBz, Au plated Spring SWP, Au plated Bottom plunger BeCu, Au plated

Unit:mm; []:in

Mechanical Spec.

Recommended travel o.40mm Full travel 0.65mm Spring force 30g±20%@0.40mm Operating Temp. -15°C~125°C

Electrical Spec.



Pitch: 0.4mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance $< 75 m \Omega(AVG)$ Characteristic impedance 42.67Ω Insertion loss -1dB >20GHz Return loss -20dB@5.08GHz Time delay 16.64psec Loop inductance 0.71nH Capacitance 0.39 pF

Electrical Spec. Pitch: 0.4mm Socket Material: Peek 1000

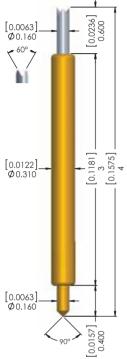


Current rating 1A continuous Contact Resistance $<175 m \Omega(AVG)$ Characteristic impedance 40.14Ω Insertion loss -1dB >20GHz Return loss -20dB@4.15GHz Time delay 14.45 psec Loop inductance 0.58 nH Capacitance 0.36 pF





PE1-031EF30-02F0

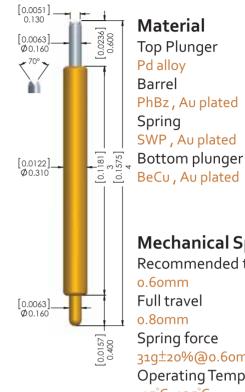


Material Top Plunger Pd alloy Barrel PhBz, Au plated Spring SWP , Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel o.60mm Full travel o.80mm Spring force 31g±20%@0.60mm Operating Temp. -15°C~125°C

PE1-031DF30-01F0



Mechanical Spec. Recommended travel o.60mm Full travel o.80mm Spring force 31g±20%@0.60mm Operating Temp. -15°C~125°C

Electrical Spec. G G Pitch: 0.4mm Socket Material: Peek 1000

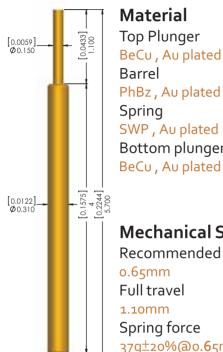
Current rating 1A continuous Contact Resistance $<175 m \Omega(AVG)$ Characteristic impedance 39.53Ω Insertion loss -1dB>20GHz Return loss -20dB@3.63GHz Time delay 18.97 psec Loop inductance 0.75 nH Capacitance 0.48 pF

Electrical Spec. Pitch: 0.4mm Socket Material: Peek 1000



Current rating 1A continuous Contact Resistance $<175m\Omega(AVG)$ Characteristic impedance 40Ω Insertion loss -1dB>20GHz Return loss -20dB@3.9GHz Time delay 19.7 psec Loop inductance o.8 nH Capacitance 0.49 pF





DE1-031DG40-01A0

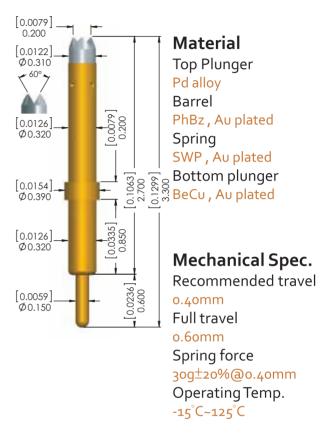
Bottom plunger

Mechanical Spec.

Recommended travel 37g±20%@0.65mm Operating Temp. -15°C~125°C



Unit:mm; []:in



Electrical Spec. Pitch: 0.4mm Socket Material: Peek 1000

0.0236

[0.0059] Ø0.150



Current rating 1A continuous Contact Resistance $<175m\Omega(AVG)$ Characteristic impedance 42.8Ω Insertion loss -1dB@17.68GHz Return loss -20dB@4.05 GHz Time delay 27.97 psec Loop inductance 1.2 nH Capacitance 0.65 pF

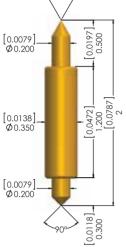
Electrical Spec.



Pitch: 0.5mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance $<_{75m}\Omega(AVG)$ Characteristic impedance 43.3Ω Insertion loss -1dB>20GHz Return loss -20dB@5.44GHz Time delay 18.2 psec Loop inductance 0.79 nH Capacitance 0.42 pF



DE1-035BE12-01A0



Material Top Plunger BeCu, Au plated Barrel PhBz, Au plated Spring SWP, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec. Recommended travel o.30mm

Full travel o.40mm Spring force 18g±20%@0.30mm Operating Temp. -15°C~125°C

Unit:mm; []:in PE4-035DF24-01F0 [0.0075] 0.190 Material [0.0134] Ø0 340 Top Plunger 909 Pd alloy Barrel PhBz, Au plated [0.0138] Ø0.350 Spring SUS, Au plated BeCu, Au plated [0.0157] Ø0.400 [0.0138] **Mechanical Spec.** 0.350 Recommended travel 0.0138] 0.350 0.0276] 0.700 0.0079 0.45mm Ø0.200 Full travel 0.70mm Spring force 32g±20%@0.45mm Operating Temp. -55°C~150°C

Electrical Spec. G Pitch: 0.5mm Socket Material: Peek 1000

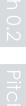


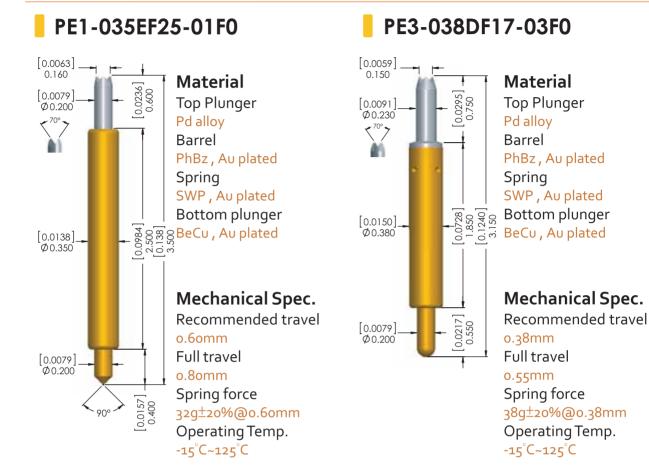
Current rating 1A continuous Contact Resistance $<175m\Omega(AVG)$ Characteristic impedance 34.74Ω Insertion loss -1dB >20GHz Return loss -20dB@4.08GHz Time delay 10.07 psec Loop inductance 0.35nH Capacitance 0.29pF

Electrical Spec.



Pitch: 0.5mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance <75mΩ(AVG) Characteristic impedance 39.8Ω Insertion loss -1dB>20GHz Return loss -20dB@3.94GHz Time delay 17.5 psec Loop inductance 0.70 nH Capacitance o.44 pF





Electrical Spec. G Pitch: 0.5mm Socket Material: Peek 1000

S G

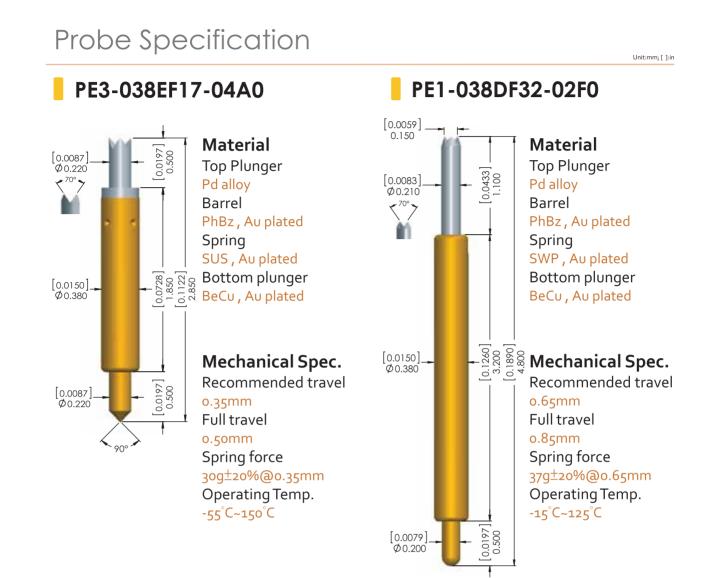
Current rating 1A continuous Contact Resistance <175mΩ(AVG) Characteristic impedance 44Ω Insertion loss -1dB>20GHz Return loss -20dB@ 8.48GHz Time delay 18.5psec Loop inductance o.82nH Capacitance 0.42pF

Electrical Spec. Pitch: 0.5mm Socket Material: Peek 1000



Current rating 1A continuous Contact Resistance <75mΩ(AVG) Characteristic impedance 45.08Ω Insertion loss -1dB>20GHz Return loss -20dB@5.69GHz Time delay 13.97 psec Loop inductance o.63 nH Capacitance 0.31 pF





itch 0.2

Electrical Spec. Pitch: 0.5mm Socket Material: Peek 1000

• **GSG**

Current rating 1A continuous Contact Resistance <75mΩ(AVG) Characteristic impedance 39.8 Ω Insertion loss -1dB>20GHz Return loss -20dB@4.5GHz Time delay 15.5 psec Loop inductance 0.62 nH Capacitance 0.39 pF

Electrical Spec. Pitch: 0.5mm Socket Material: Peek 1000



Current rating 1A continuous Contact Resistance <175mΩ(AVG) Characteristic impedance 39.5 Ω Insertion loss -1dB>20GHz Return loss -20dB@ 3 GHz Time delay 25.2 psec Loop inductance 1 nH Capacitance 0.64 pF [0.0063] 0.160

[0.0087] Ø0.220

789

[0.0150] Ø0.380

[0.0087] Ø0.220

Probe Specification

PE1-038EP40-01A0

. [0.0433] 1.100

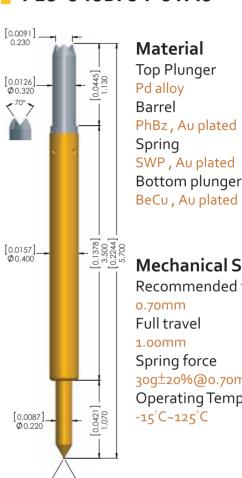
[0.1575] 4 [0.2244] 5.700

0.0236

Material **Top Plunger** Pd alloy Barrel PhBz, Au plated Spring SUS, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel 0.65mm Full travel 1.10mm Spring force 40g±20%@0.65mm Operating Temp. -55°C~150°C



PE3-040BF34-01A0

Mechanical Spec. Recommended travel Full travel Spring force 30g±20%@0.70mm Operating Temp. -15°C~125°C

Electrical Spec.



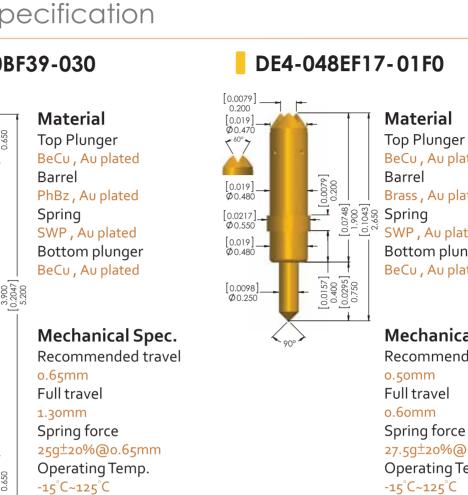
Pitch: 0.5mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance <175mΩ(AVG) Characteristic impedance 42Ω Insertion loss -1dB>20GHz Return loss -20dB@3.82GHz Time delay 29.9 psec Loop inductance 1.26 nH Capacitance 0.71pF

Electrical Spec.



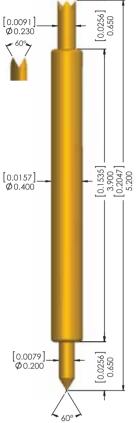
Pitch: 0.5mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance $<_{75m}\Omega(AVG)$ Characteristic impedance 38.29Ω Insertion loss -1dB>20GHz Return loss -20dB@2.16GHz Time delay 27.95 psec Loop inductance 1.07 nH Capacitance 0.73 pF





Probe Specification

DE1-040BF39-030



Top Plunger BeCu, Au plated Brass, Au plated SWP, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec. Recommended travel 27.5g±20%@0.50mm Operating Temp.

Electrical Spec. Pitch: 0.5mm Socket Material: Peek 100

G G

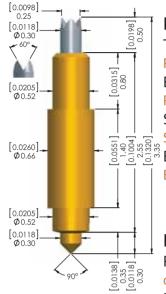
Current rating 1A continuous Contact Resistance $<175m\Omega(AVG)$ Characteristic impedance 36.58Ω Insertion loss -1dB@15.1GHz Return loss -20dB@1.99GHz Time delay 25.97 psec Loop inductance 0.95nH Capacitance 0.71pF

Electrical Spec. Pitch: 0.65mm Socket Material: Peek 1000



Current rating 1A continuous Contact Resistance $<_{75m}\Omega(AVG)$ Characteristic impedance 36.5Ω Insertion loss -1dB>20GHz Return loss -20dB@3.54GHz Time delay 14.2 psec Loop inductance 0.52nH Capacitance 0.39 pF

PE2-050EF25-01F0

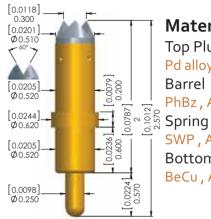


Material Top Plunger Pd alloy Barrel PhBz, Au plated Spring SUS, Au plated Spring Bottom plunger Bottom plunger Becu, Au plated

Mechanical Spec.

Recommended travel o.45mm Full travel o.60mm Spring force 30g±20%@0.45mm Operating Temp. -55°C~150°C

PE4-052DF17-01A0



Material Top Plunger Pd alloy Barrel PhBz, Au plated Spring SWP, Au plated Bottom plunger BeCu, Au plated

Unit:mm; []:in

Mechanical Spec.

Recommended travel o.40mm Full travel o.60mm Spring force 35g±20%@0.40mm Operating Temp. -15°C~125°C

Electrical Spec.



Pitch: 0.8mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance <175mΩ(AVG) Characteristic impedance 34.8Ω Insertion loss -1dB>20GHz Return loss -20dB@2.25GHz Time delay 19.8psec Loop inductance 0.69nH Capacitance 0.57pF

Electrical Spec. Pitch: 0.8mm Socket Material: Peek 1000

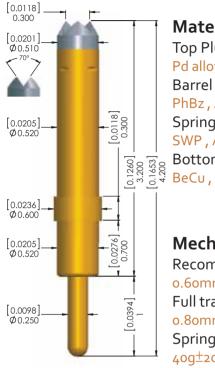


Current rating 1A continuous Contact Resistance <75mΩ(AVG) Characteristic impedance 38.7 Ω Insertion loss -1dB>20GHz Return loss -20dB@4.45GHz Time delay 15.4psec Loop inductance 0.6nH Capacitance 0.4pF



Probe Specification

PE4-052DF28-01F0

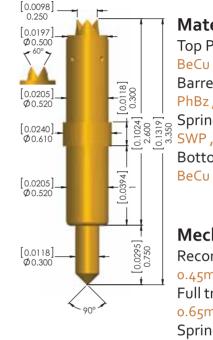


Material **Top Plunger** Pd alloy PhBz, Au plated Spring SWP, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel o.60mm Full travel o.80mm Spring force 40g±20%@0.60mm Operating Temp. -15°C~125°C

DE4-052EF23-02F0



Material **Top Plunger** BeCu, Au plated Barrel PhBz, Au plated Spring SWP, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel 0.45mm Full travel 0.65mm Spring force 35g±20%@0.45mm Operating Temp. -15°C~125°C

Electrical Spec. G Pitch: 0.8mm Socket Material: Peek 1000

G

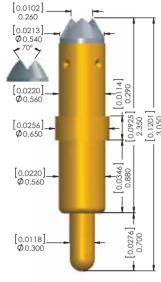
Current rating 1A continuous Contact Resistance $< 75 m \Omega(AVG)$ Characteristic impedance 41.8Ω Insertion loss -1dB@15.08GHz Return loss -20dB@3.29GHz Time delay 23.8 psec Loop inductance 1nH Capacitance 0.57 pF

Electrical Spec.



Pitch: 0.8mm Socket Material: Peek 1000 Current rating 1A continuous Contact Resistance $< 75m\Omega(AVG)$ Characteristic impedance 41.5Ω Insertion loss -1dB >20GHz Return loss -20dB@3.45GHz Time delay 19.9 psec Loop inductance 0.83 nH Capacitance 0.48 pF

PE4-056DF20-02F0

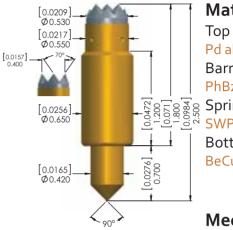


Material Top Plunger Pd alloy Barrel Brass, Au plated SwP, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel o.50mm Full travel o.70mm Spring force 35g±20%@0.50mm Operating Temp. -15°C~125°C

PE4-065EW15-01A0



Material Top Plunger Pd alloy Barrel PhBz, Au plated Spring SWP, Au plated Bottom plunger BeCu, Au plated

Unit:mm; []:in

Mechanical Spec.

Recommended travel o.50mm Full travel o.70mm Spring force 32g±20%@0.50mm Operating Temp. -15°C~125°C

Electrical Spec. Pitch: 0.8mm Socket Material: Peek 1000



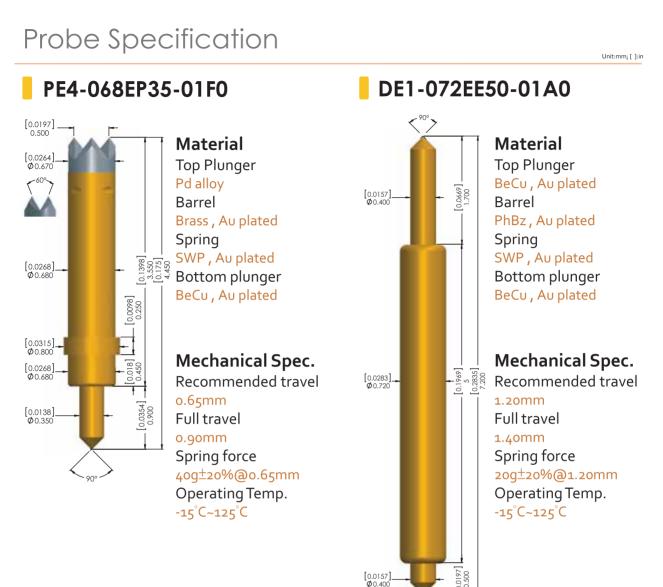
Current rating 1A continuous Contact Resistance <75mΩ(AVG) Characteristic impedance 32.68Ω Insertion loss -1dB@17.48GHz Return loss -2odB@ 1.93GHz Time delay 19.28psec Loop inductance 0.63nH Capacitance 0.59pF

Electrical Spec. Pitch: 0.8mm Socket Material: Peek 1000



Current rating 1A continuous Contact Resistance $<75m\Omega(AVG)$ Characteristic impedance 29 Ω Insertion loss -1dB@10.3GHz Return loss -2odB@1.79GHz Time delay 16 psec Loop inductance 0.47 nH Capacitance 0.55 pF





Pitch 0.2

Electrical Spec. Pitch: 1.0mm Socket Material: Peek 1000

G

Current rating 2A continuous Contact Resistance <75mΩ(AVG) Characteristic impedance 37.53 Ω Insertion loss -1dB@11.91GHz Return loss -2odB@2.19GHz Time delay 26.65 psec Loop inductance 1 nH Capacitance 0.71 pF

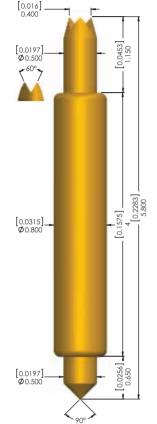
Electrical Spec.



Current rating 1A continuous Contact Resistance <175mΩ(AVG) Characteristic impedance 40.7 Ω Insertion loss -1dB@13.9GHz Return loss -2odB@2.37GHz Time delay 38.7 psec Loop inductance 1.58 nH Capacitance 0.95 pF



DE1-080BF40-010

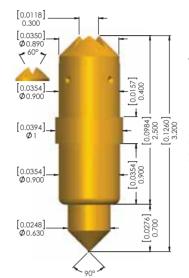


Material Top Plunger BeCu, Au plated Barrel PhBz, Au plated Spring SWP, Au plated Bottom plunger BeCu, Au plated

Mechanical Spec.

Recommended travel o.70mm Full travel 1.05mm Spring force 30g±20%@0.70mm Operating Temp. -15°C~125°C

DE4-090EF25-02F0



Material Top Plunger

BeCu , Au plated Barrel Brass , Au plated Spring SUS , Au plated Bottom plunger BeCu , Au plated

Unit:mm; []:in

Mechanical Spec.

Recommended travel o.50mm Full travel o.70mm Spring force 30g±20%@0.50mm Operating Temp. -55°C~150°C

Electrical Spec. Pitch: 1.0mm Socket Material: Peek 1000



Current rating 3A continuous Contact Resistance <175mΩ(AVG) Characteristic impedance 33.9Ω Insertion loss -1dB@12GHz Return loss -2odB@1.22GHz Time delay 33.6 psec Loop inductance 1.14nH Capacitance 0.99pF

Electrical Spec. Pitch: 1.27mm Socket Material: Peek 1000



Current rating 1A continuous Contact Resistance <75mΩ(AVG) Characteristic impedance 34.6 Ω Insertion loss -1dB@17.27GHz Return loss -2odB@2.16GHz Time delay 20.4 psec Loop inductance 0.71 nH Capacitance 0.59 pF