

Spring Probes / Genaro Pin

Pin Types



Double Pin



Single Pin



Genaro Series



Others

Top Plunger Tip Shapes



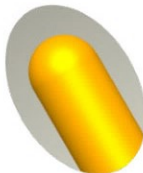
Crown



Reduced Crown



Needle



Round



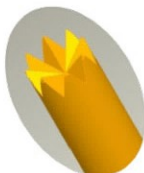
Kelvin(T)



Kelvin (L)



Flat



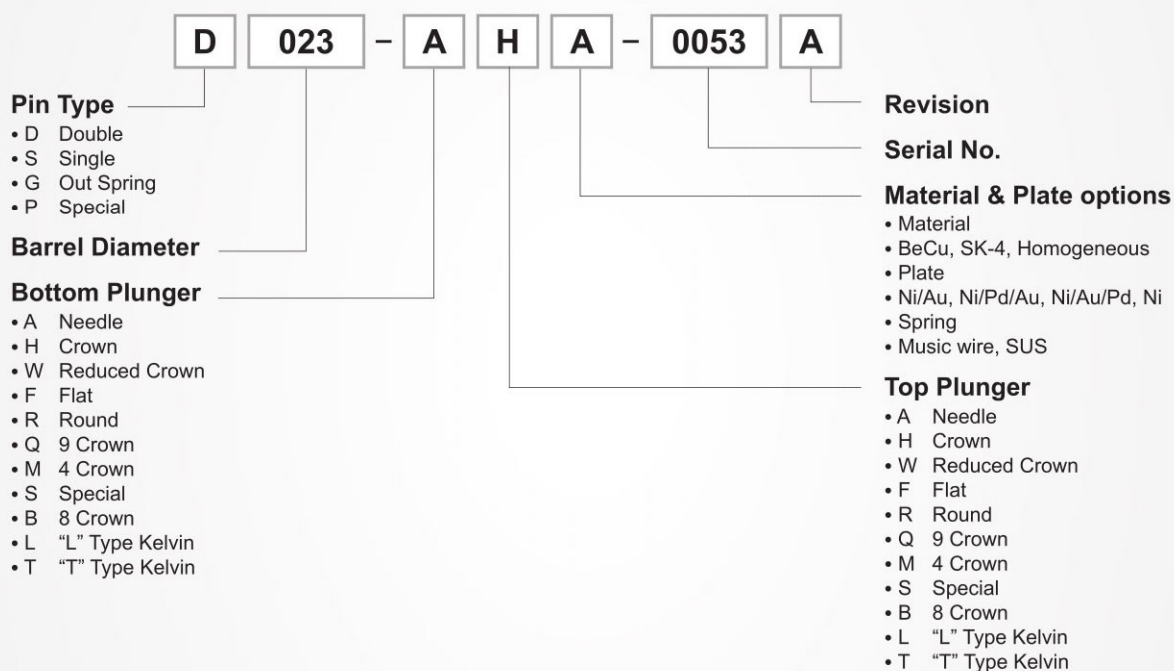
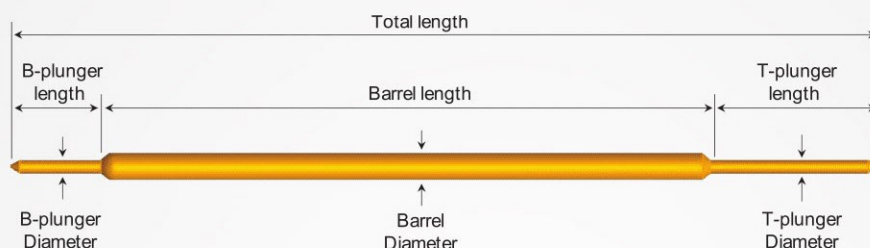
8 Crown



9 Crown

Spring Probes

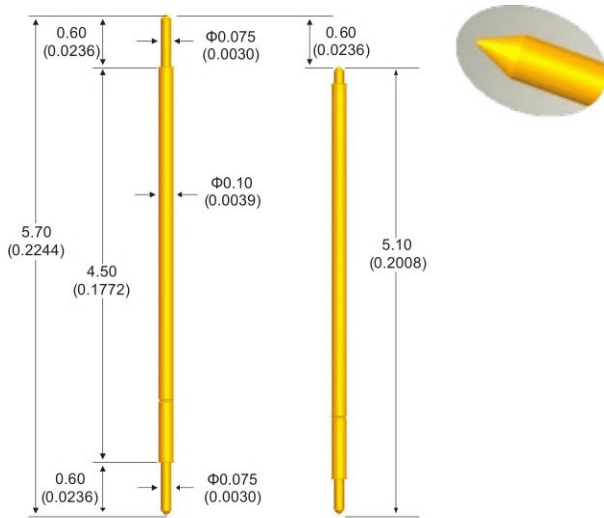
Part Numbering System



Pitch	Part No.	Page
0.15	D010-AAA-0351B, D010-HHM-0376A	06
0.20	D013-AAA-0048A, S013-AHA-0049B	07
0.25	D015-RHG-0050A, S015-RHG-0051A	08
0.30	D021-RAA-0052A, D023-AHA-0053A, S021-AHA-0054A, S023-RAA-0055A, D020-AHA-0092A	09~11
0.35	D028-RWG-0056A, D028-AAA-0057A, S026-RBJ-0058A, S028-RAA-0059A, D028-AHA-0170A, D026-AHG-0087A	12~14
0.40	D030-RAA-0060A, D030-AWA-0061A, D031-HHA-0062A, S030-AWM-0063A, OS-031-0325-RH-239A, OS-025-0330-RH-086B	15~17
0.50	D038-AHA-0064A, D041-AAH-0065A, D042-RHG-0066A, S032-RAG-0067A, OS-038-0460-WH-188B, S036-AWA-0068A	18~20
0.65	D050-AAA-0069A, D051-AQM-0070A, D057-AWM-0071A, 1823-11HX, S040-AWD-0072A, S052-WHA-0073A	21~23
0.80	S063-WHA-0027A, D065-AHA-0075A, D068-AAA-0076A, D060-RHA-0020B, S056-RWA-0077A, S058-HHB-0078A	24~26

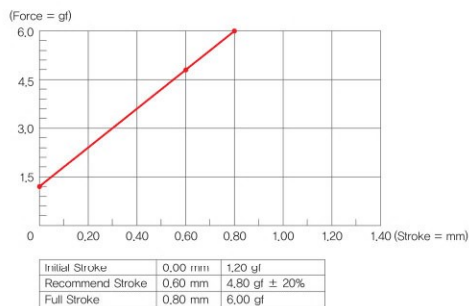
Spring Probes 0.15mm Pitch

D010-AAA-0351B



Mechanical Specifications

Min. Device Pitch	0.15mm
Pin Height	5.7mm
Contact spring force	4.80gf@0.60mm
Recommend stroke	0.60mm
Full stroke	0.80mm
Operating temperature	-40~120°C



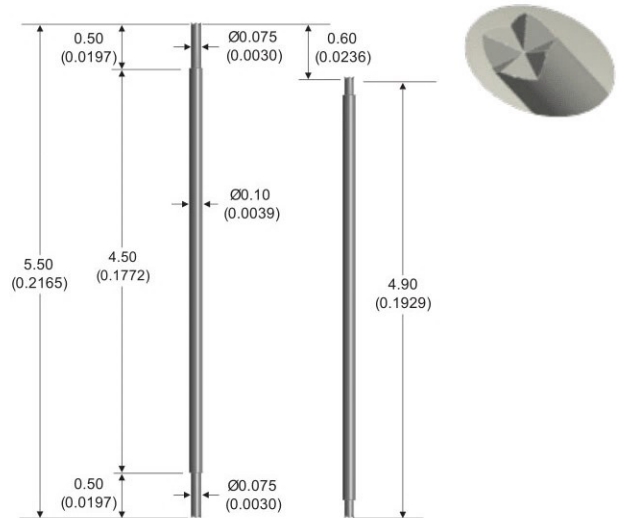
Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Alloy
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

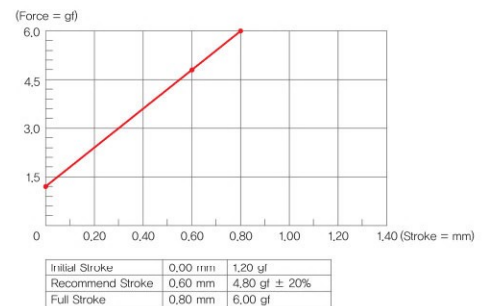
Current Rating	0.20A
Self Inductance	1.57nH
Bandwidth	32.00GHz@-0.75dB
DC Resistance	Less than 450mohm

D010-HHM-0376A



Mechanical Specifications

Min. Device Pitch	0.15mm
Pin Height	5.5mm
Contact spring force	4.80gf@0.60mm
Recommend stroke	0.60mm
Full stroke	0.80mm
Operating temperature	-40~120°C



Materials and Finishes

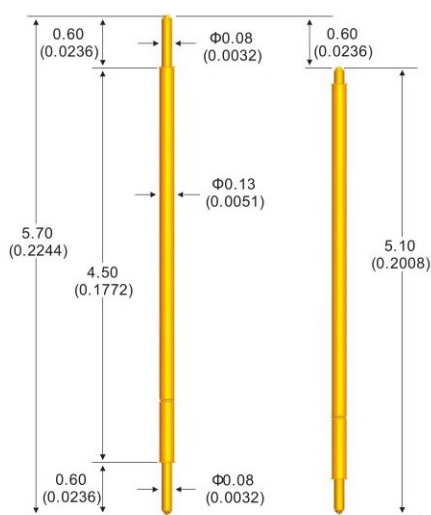
Top plunger	Pd Alloy
Bottom Plunger	Pd Alloy
Barrel	Alloy
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

Current Rating	0.20A
Self Inductance	1.57nH
Bandwidth	32.00GHz@-0.75dB
DC Resistance	Less than 450mohm

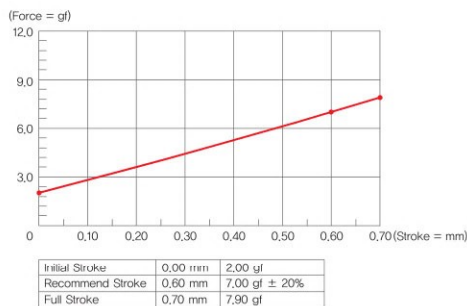
Spring Probes 0.20mm Pitch

D013-AAA-0048A



Mechanical Specifications

Min. Device Pitch	0.2mm
Pin Height	5.7mm
Contact spring force	7.0gf@0.60mm
Recommend stroke	0.60mm
Full stroke	0.70mm
Operating temperature	-40~120°C



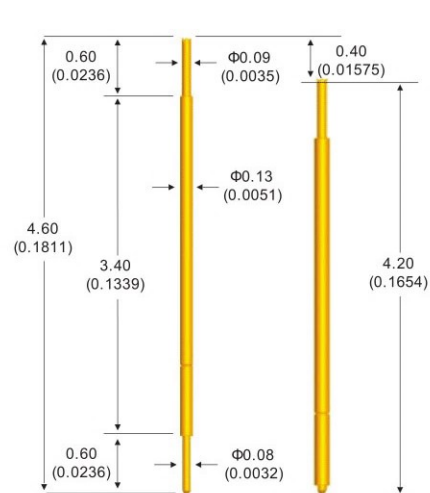
Materials and Finishes

Top plunger	Hardened Steel(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Au Clad
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

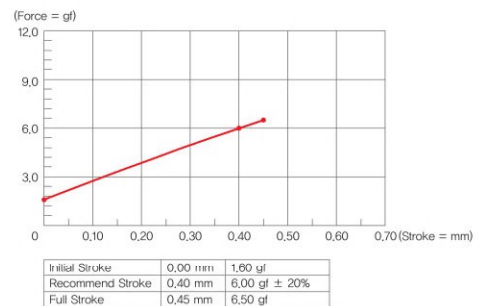
Current Rating	0.5A
Self Inductance	1.42nH
Bandwidth	3.64GHz@-1.00dB
DC Resistance	Less than 250mohm

S013-AHA-0049B



Mechanical Specifications

Min. Device Pitch	0.2mm
Pin Height	4.6mm
Contact spring force	6.0gf@0.40mm
Recommend stroke	0.40mm
Full stroke	0.45mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	BeCu
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Au Clad
Spring	Music Wire(Au)
Action	Single Action

Electrical Specifications

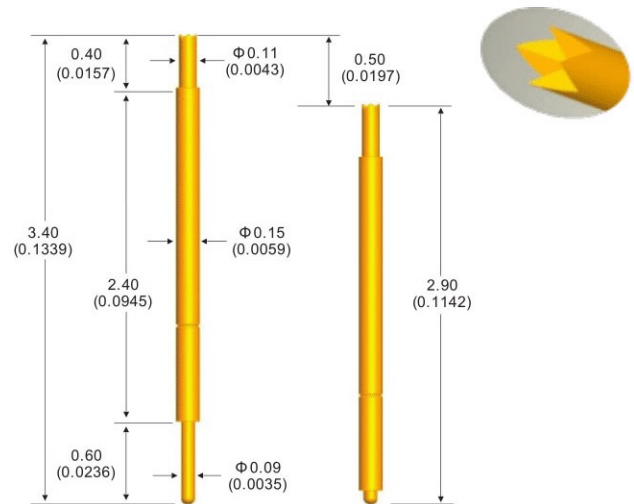
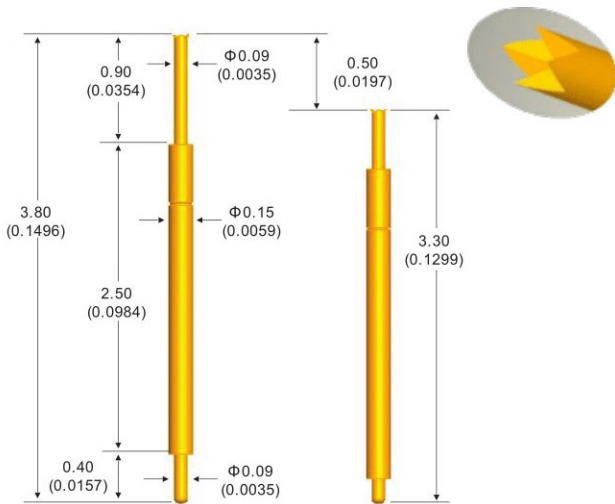
Current Rating	0.5A
Self Inductance	1.32nH
Bandwidth	3.82GHz@-1.00dB
DC Resistance	Less than 50mohm

0.20 mm

Spring Probes 0.25mm Pitch

D015-RHG-0050A

S015-RHG-0051A

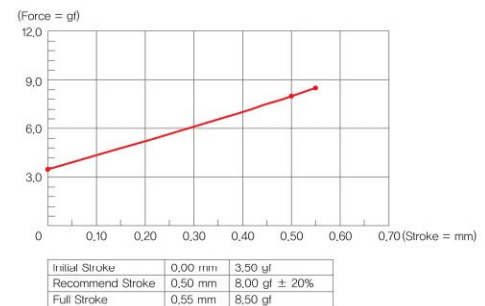
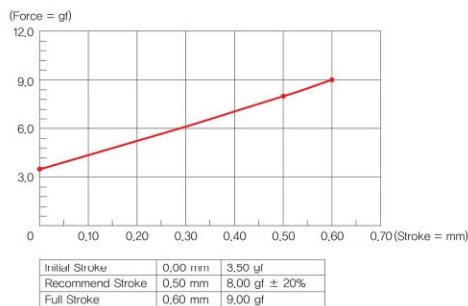


Mechanical Specifications

Min. Device Pitch	0.25mm
Pin Height	3.8mm
Contact spring force	8.0gf@0.50mm
Recommend stroke	0.50mm
Full stroke	0.60mm
Operating temperature	-40~120°C

Mechanical Specifications

Min. Device Pitch	0.25mm
Pin Height	3.4mm
Contact spring force	8.0gf@0.50mm
Recommend stroke	0.50mm
Full stroke	0.55mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened Steel(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Au Clad
Spring	Music Wire(Au)
Action	Double Action

Materials and Finishes

Top plunger	Hardened Steel(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Au Clad
Spring	Music Wire(Au)
Action	Single Action

Electrical Specifications

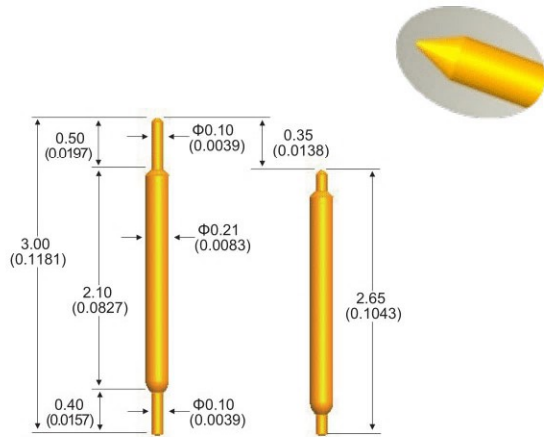
Current Rating	0.5A
Self Inductance	1.14nH
Bandwidth	5.23GHz@-1.00dB
DC Resistance	Less than 250mohm

Electrical Specifications

Current Rating	0.5A
Self Inductance	1.10nH
Bandwidth	5.42GHz@-1.00dB
DC Resistance	Less than 250mohm

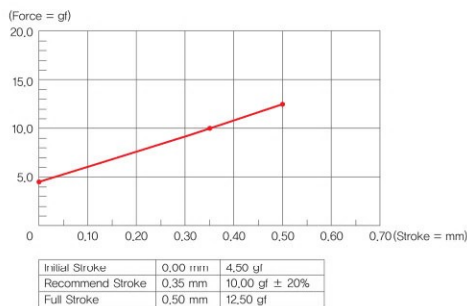
Spring Probes 0.30mm Pitch

D021-RAA-0052A



Mechanical Specifications

Min. Device Pitch	0.30mm
Pin Height	3.0mm
Contact spring force	10.0gf@0.35mm
Recommend stroke	0.35mm
Full stroke	0.50mm
Operating temperature	-40~120°C



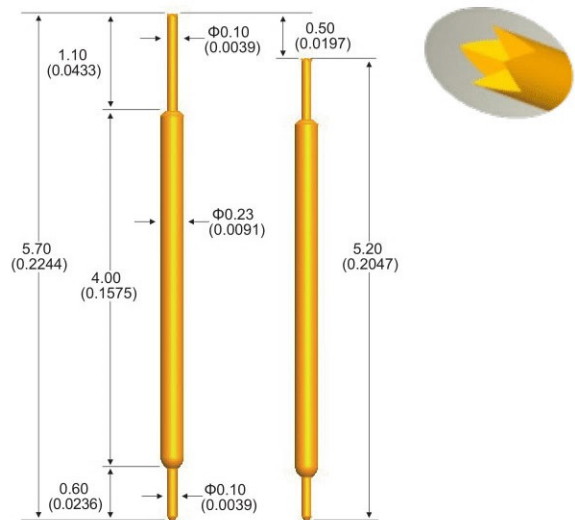
Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Au Clad
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

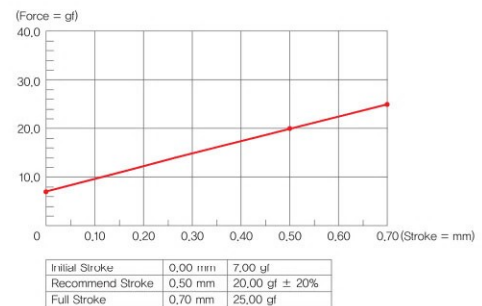
Current Rating	1.5A
Self Inductance	1.05nH
Bandwidth	7.14GHz@-1.00dB
DC Resistance	Less than 150mohm

D023-AHA-0053A



Mechanical Specifications

Min. Device Pitch	0.30mm
Pin Height	5.7mm
Contact spring force	20.0gf@0.50mm
Recommend stroke	0.50mm
Full stroke	0.70mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

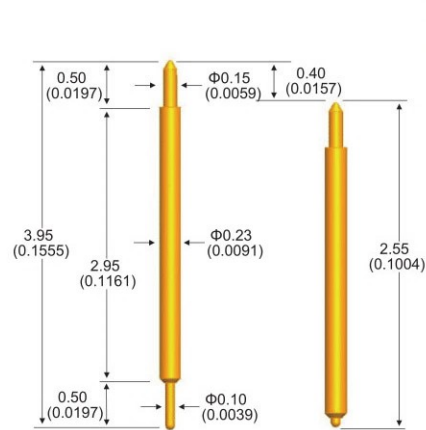
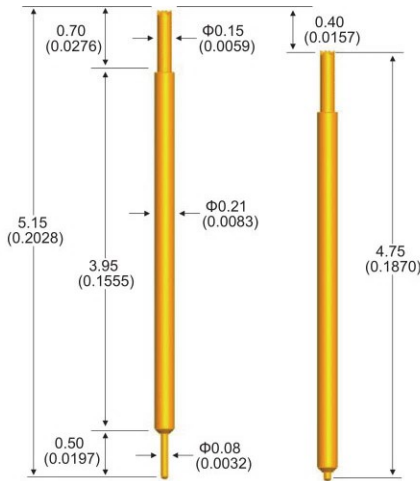
Current Rating	1.5A
Self Inductance	1.37nH
Bandwidth	6.87GHz@-1.00dB
DC Resistance	Less than 150mohm

Spring Probes 0.30mm Pitch

S021-AHA-0054A

S023-RAA-0055A

0.30 mm

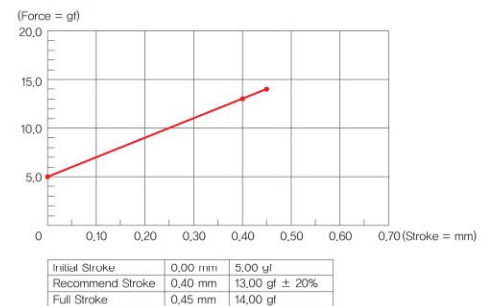
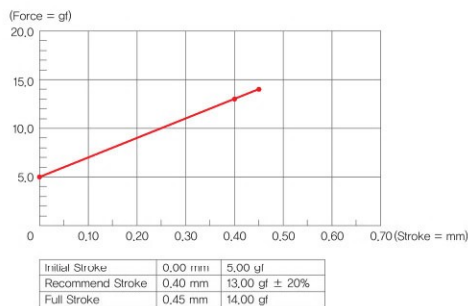


Mechanical Specifications

Min. Device Pitch	0.30mm
Pin Height	5.15mm
Contact spring force	13.0gf@0.40mm
Recommend stroke	0.40mm
Full stroke	0.45mm
Operating temperature	-40~120°C

Mechanical Specifications

Min. Device Pitch	0.30mm
Pin Height	3.95mm
Contact spring force	13.0gf@0.40mm
Recommend stroke	0.40mm
Full stroke	0.45mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Au Clad
Spring	Music Wire(Au)
Action	Single Action

Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Single Action

Electrical Specifications

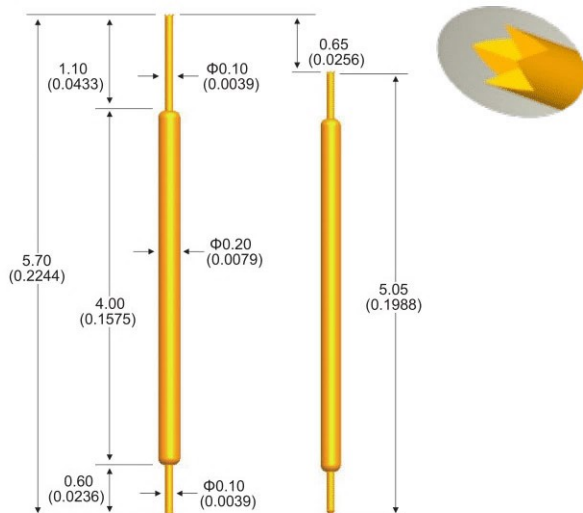
Current Rating	1.5A
Self Inductance	1.23nH
Bandwidth	6.98GHz@-1.00dB
DC Resistance	Less than 150mohm

Electrical Specifications

Current Rating	1.5A
Self Inductance	0.90nH
Bandwidth	7.82GHz@-1.00dB
DC Resistance	Less than 150mohm

Spring Probes 0.30mm Pitch

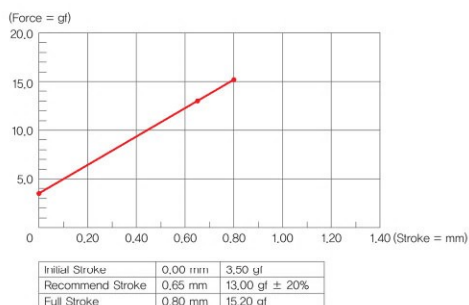
D020-AHA-0092A



0.30 mm

Mechanical Specifications

Min. Device Pitch	0.30mm
Pin Height	5.70mm
Contact spring force	13.0gf@0.65mm
Recommend stroke	0.65mm
Full stroke	0.80mm
Operating temperature	-40~120℃



Materials and Finishes

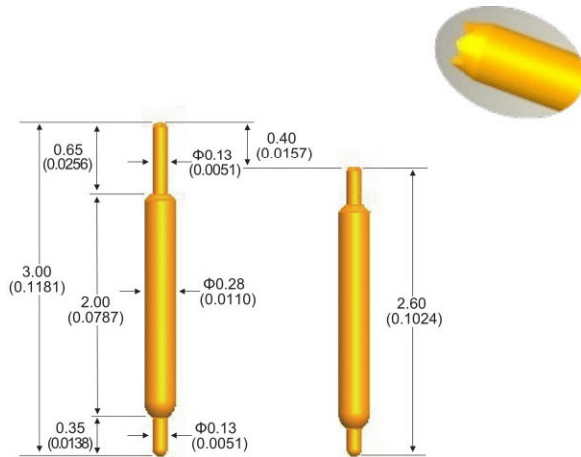
Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Au Clad
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

Current Rating	1.5A
Self Inductance	1.37nH
Bandwidth	6.47GHz@-1.00dB
DC Resistance	Less than 150mohm

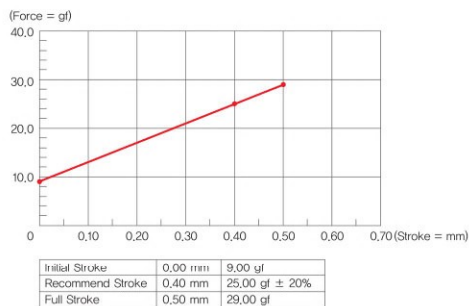
Spring Probes 0.35mm Pitch

D028-RWG-0056A



Mechanical Specifications

Min. Device Pitch	0.35mm
Pin Height	3.0mm
Contact spring force	25.0gf@0.40mm
Recommend stroke	0.40mm
Full stroke	0.50mm
Operating temperature	-40~120°C



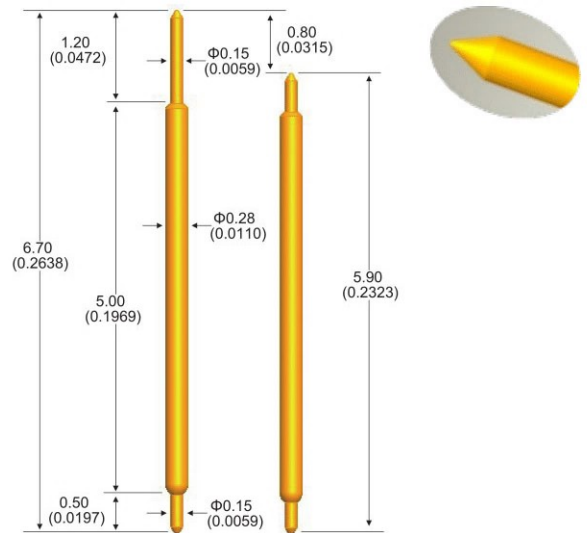
Materials and Finishes

Top plunger	Hardened Steel(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

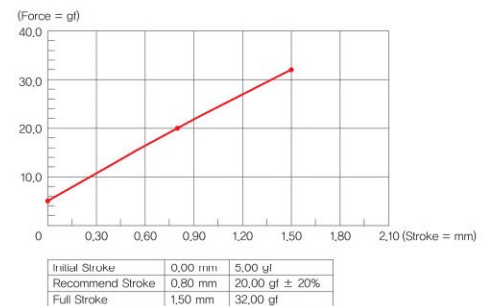
Current Rating	2.0A
Self Inductance	1.02nH
Bandwidth	8.21GHz@-1.00dB
DC Resistance	Less than 100mohm

D028-AAA-0057A



Mechanical Specifications

Min. Device Pitch	0.35mm
Pin Height	6.7mm
Contact spring force	20.0gf@0.80mm
Recommend stroke	0.80mm
Full stroke	1.50mm
Operating temperature	-40~120°C



Materials and Finishes

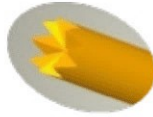
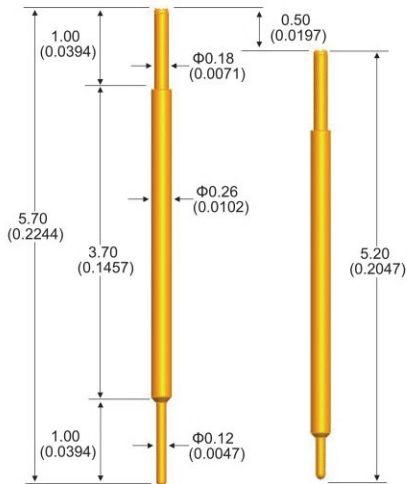
Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

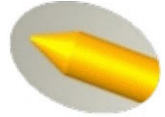
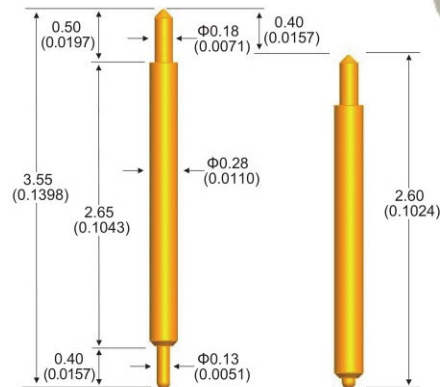
Current Rating	2.0A
Self Inductance	1.42nH
Bandwidth	7.62GHz@-1.00dB
DC Resistance	Less than 100mohm

Spring Probes 0.35mm Pitch

S026-RBJ-0058A



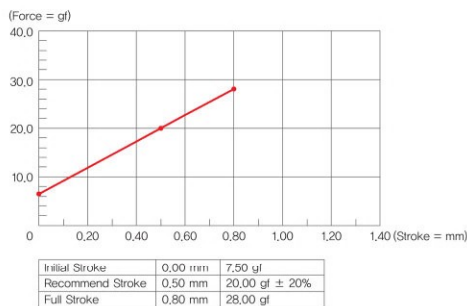
S028-RAA-0059A



0.35 mm

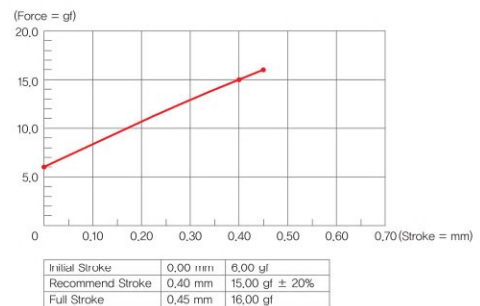
Mechanical Specifications

Min. Device Pitch	0.35mm
Pin Height	5.7mm
Contact spring force	20.0gf@0.50mm
Recommend stroke	0.50mm
Full stroke	0.80mm
Operating temperature	-40~120℃



Mechanical Specifications

Min. Device Pitch	0.35mm
Pin Height	3.55mm
Contact spring force	15.0gf@0.40mm
Recommend stroke	0.40mm
Full stroke	0.45mm
Operating temperature	-40~120℃



Materials and Finishes

Top plunger	Hardened Steel(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Single Action

Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Single Action

Electrical Specifications

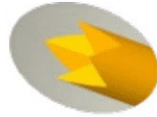
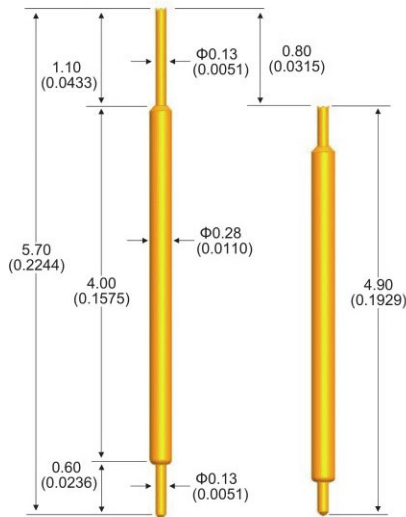
Current Rating	2.0A
Self Inductance	1.30nH
Bandwidth	7.56GHz@-1.00dB
DC Resistance	Less than 80mohm

Electrical Specifications

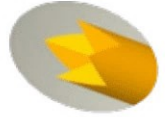
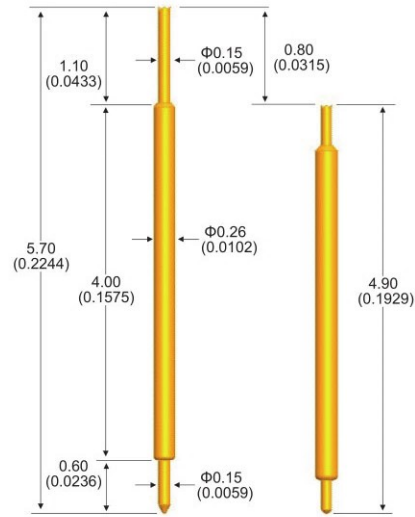
Current Rating	2.0A
Self Inductance	0.95nH
Bandwidth	8.21GHz@-1.00dB
DC Resistance	Less than 80mohm

Spring Probes 0.35mm Pitch

D028-AHA-0170A

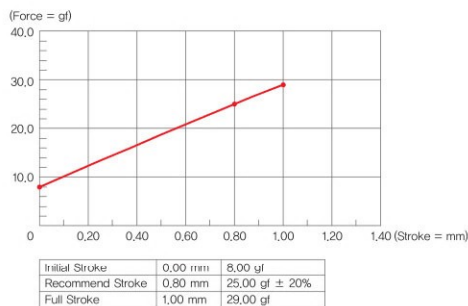


D026-AHG-0087A



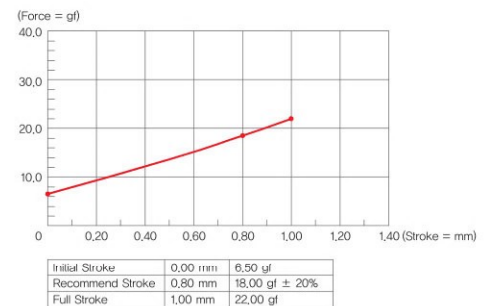
Mechanical Specifications

Min. Device Pitch	0.35mm
Pin Height	5.7mm
Contact spring force	25.0gf@0.80mm
Recommend stroke	0.80mm
Full stroke	1.00mm
Operating temperature	-40~120°C



Mechanical Specifications

Min. Device Pitch	0.35mm
Pin Height	5.70mm
Contact spring force	18.0gf@0.80mm
Recommend stroke	0.80mm
Full stroke	1.00mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

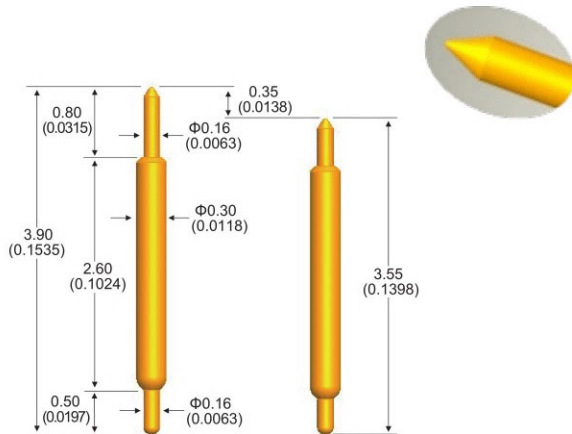
Current Rating	2.0A
Self Inductance	1.37nH
Bandwidth	7.89GHz@-1.00dB
DC Resistance	Less than 80mohm

Electrical Specifications

Current Rating	2.0A
Self Inductance	1.37nH
Bandwidth	7.54GHz@-1.00dB
DC Resistance	Less than 80mohm

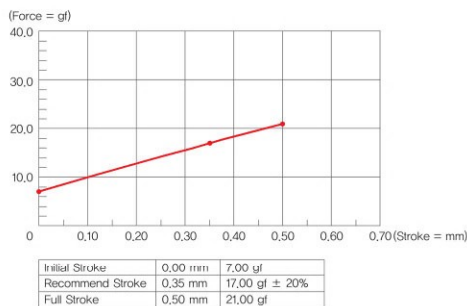
Spring Probes 0.40mm Pitch

D030-RAA-0060A



Mechanical Specifications

Min. Device Pitch	0.40mm
Pin Height	3.9mm
Contact spring force	17.0gf@0.35mm
Recommend stroke	0.35mm
Full stroke	0.50mm
Operating temperature	-40~120°C



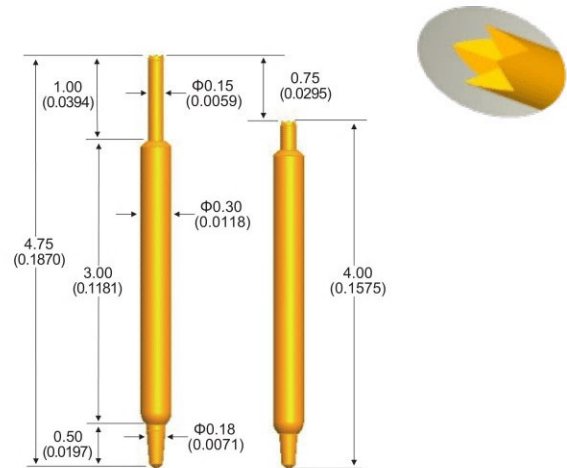
Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

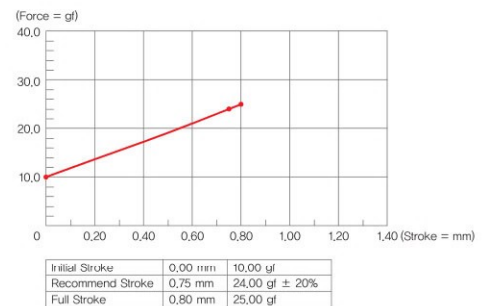
Current Rating	2.0A
Self Inductance	0.98nH
Bandwidth	20.8GHz@-1.00dB
DC Resistance	Less than 80mohm

D030-AWA-0061A



Mechanical Specifications

Min. Device Pitch	0.40mm
Pin Height	4.75mm
Contact spring force	24.0gf@0.75mm
Recommend stroke	0.75mm
Full stroke	0.80mm
Operating temperature	-40~120°C



Materials and Finishes

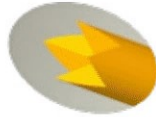
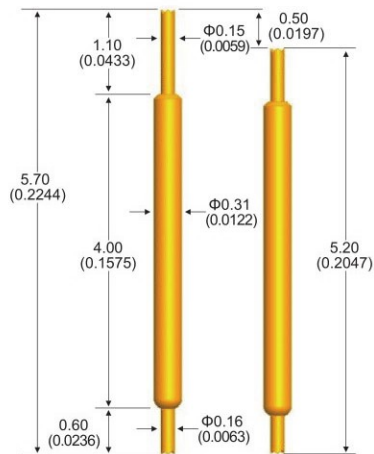
Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

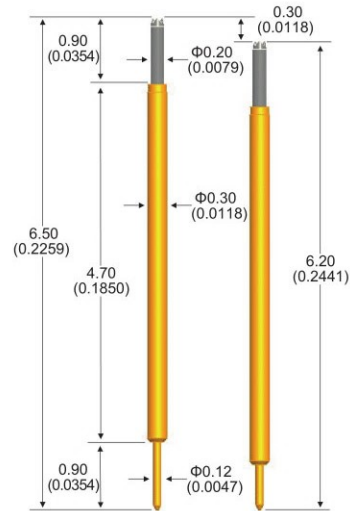
Current Rating	2.0A
Self Inductance	1.03nH
Bandwidth	19.3GHz@-1.00dB
DC Resistance	Less than 80mohm

Spring Probes 0.40mm Pitch

D031-HHA-0062A

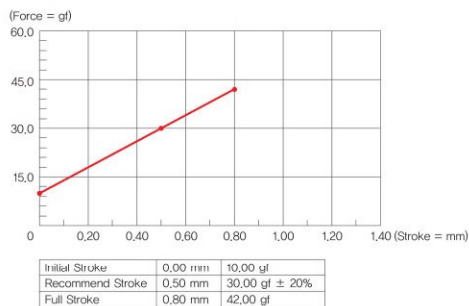


S030-AWM-0063A



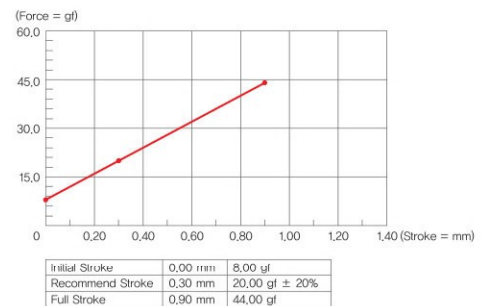
Mechanical Specifications

Min. Device Pitch	0.40mm
Pin Height	5.7mm
Contact spring force	30.0gf@0.50mm
Recommend stroke	0.50mm
Full stroke	0.80mm
Operating temperature	-40~120°C



Mechanical Specifications

Min. Device Pitch	0.40mm
Pin Height	6.5mm
Contact spring force	20.0gf@0.30mm
Recommend stroke	0.30mm
Full stroke	0.90mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Materials and Finishes

Top plunger	Pd-Alloy
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Single Action

Electrical Specifications

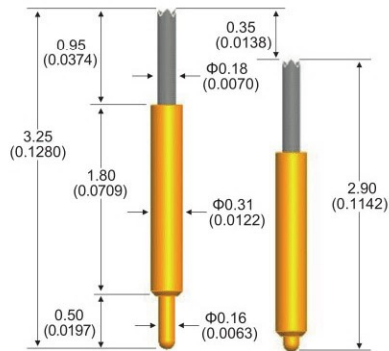
Current Rating	2.0A
Self Inductance	1.41nH
Bandwidth	15.0GHz@-1.00dB
DC Resistance	Less than 80mohm

Electrical Specifications

Current Rating	2.0A
Self Inductance	1.39nH
Bandwidth	13.2GHz@-1.00dB
DC Resistance	Less than 80mohm

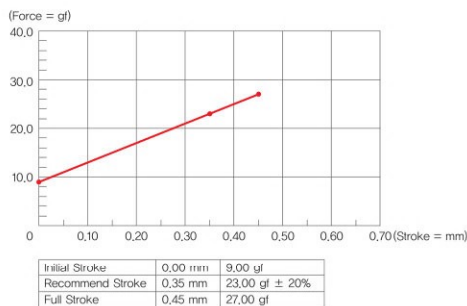
Spring Probes **0.40mm Pitch**

OS-031-0325-RH-239A



Mechanical Specifications

Min. Device Pitch	0.40mm
Pin Height	3.25mm
Contact spring force	23.0gf@0.35mm
Recommend stroke	0.35mm
Full stroke	0.45mm
Operating temperature	-40~120°C



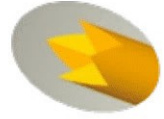
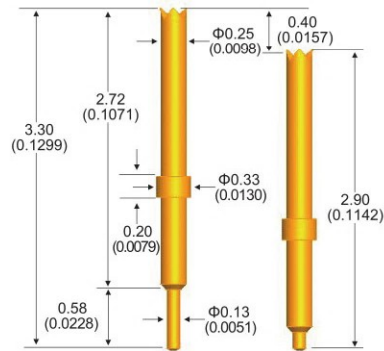
Materials and Finishes

Top plunger	Pd-Alloy
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Single Action

Electrical Specifications

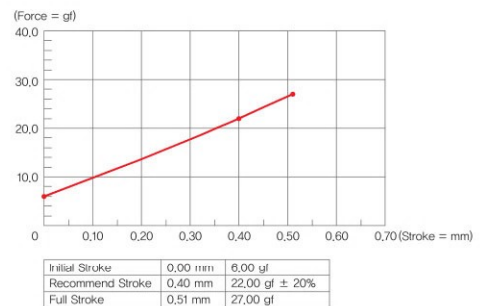
Current Rating	3.0A
Self Inductance	1.09nH
Bandwidth	21.0GHz@-1.00dB
DC Resistance	Less than 80mohm

OS-025-0330-RH-086B



Mechanical Specifications

Min. Device Pitch	0.40mm
Pin Height	3.3mm
Contact spring force	22.0gf@0.40mm
Recommend stroke	0.40mm
Full stroke	0.51mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Single Action

Electrical Specifications

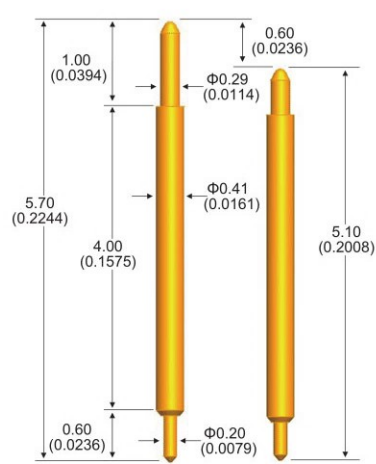
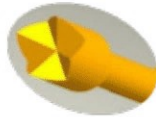
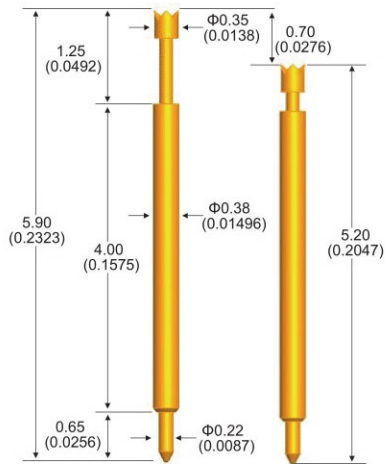
Current Rating	3.0A
Self Inductance	1.09nH
Bandwidth	21.0GHz@-1.00dB
DC Resistance	Less than 60mohm

0.40 mm

Spring Probes 0.50mm Pitch

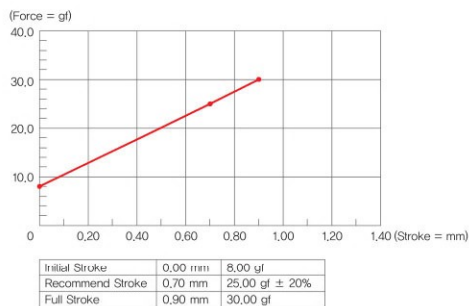
D038-AHA-0064A

D041-AAH-0065A



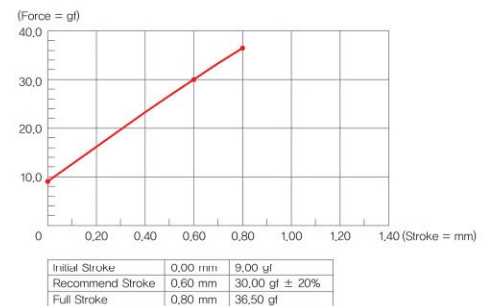
Mechanical Specifications

Min. Device Pitch	0.50mm
Pin Height	5.9mm
Contact spring force	25.0gf@0.70mm
Recommend stroke	0.70mm
Full stroke	0.90mm
Operating temperature	-40~120°C



Mechanical Specifications

Min. Device Pitch	0.50mm
Pin Height	5.7mm
Contact spring force	30.0gf@0.60mm
Recommend stroke	0.60mm
Full stroke	0.80mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Materials and Finishes

Top plunger	Hardened Steel(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

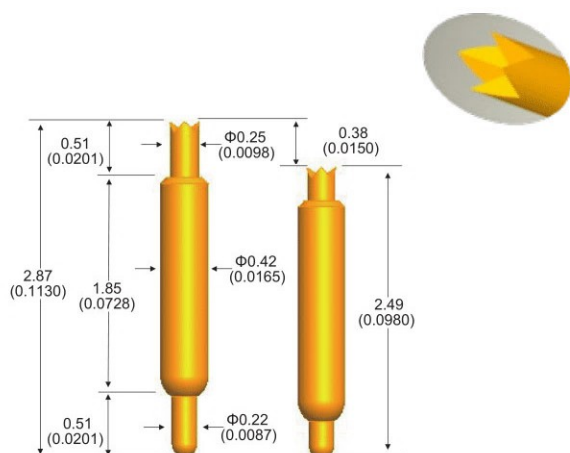
Current Rating	2.0A
Self Inductance	1.60nH
Bandwidth	16.9GHz@-1.00dB
DC Resistance	Less than 50mohm

Electrical Specifications

Current Rating	2.0A
Self Inductance	1.28nH
Bandwidth	17.5GHz@-1.00dB
DC Resistance	Less than 50mohm

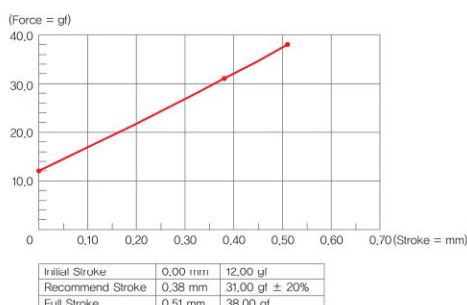
Spring Probes 0.50mm Pitch

D042-RHG-0066A



Mechanical Specifications

Min. Device Pitch	0.40mm
Pin Height	3.25mm
Contact spring force	31.0gf@0.38mm
Recommend stroke	0.38mm
Full stroke	0.51mm
Operating temperature	-40~120°C



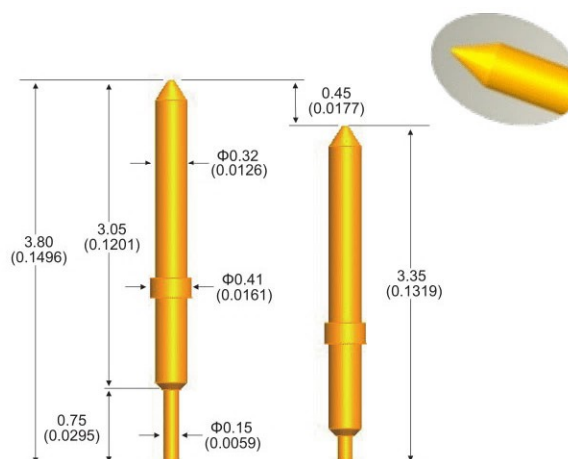
Materials and Finishes

Top plunger	Hardened Steel(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

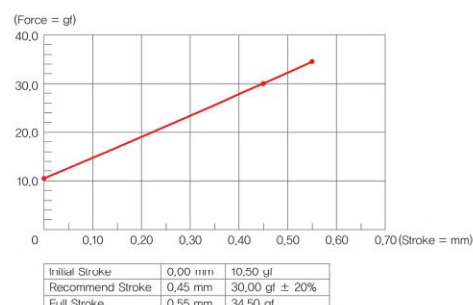
Current Rating	3.0A
Self Inductance	1.09nH
Bandwidth	21.0GHz@-1.00dB
DC Resistance	Less than 50mohm

S032-RAG-0067A



Mechanical Specifications

Min. Device Pitch	0.40mm
Pin Height	3.3mm
Contact spring force	30.0gf@0.45mm
Recommend stroke	0.45mm
Full stroke	0.55mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Single Action

Electrical Specifications

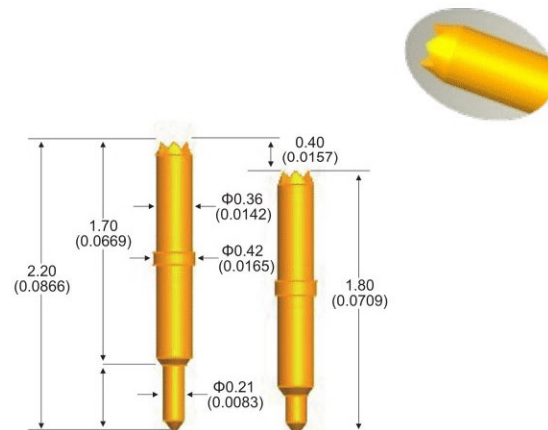
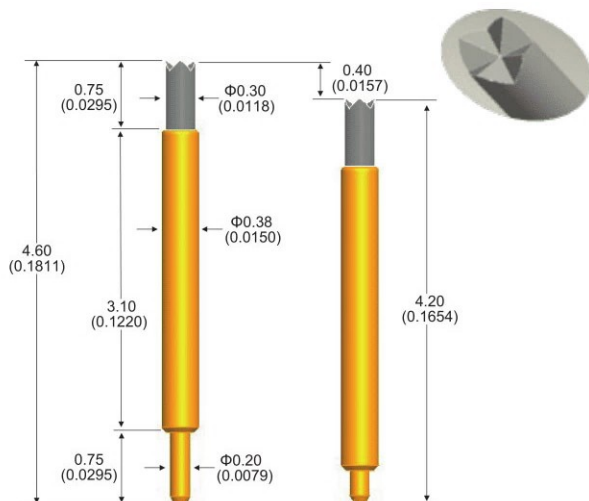
Current Rating	3.0A
Self Inductance	1.09nH
Bandwidth	21.0GHz@-1.00dB
DC Resistance	Less than 50mohm

Spring Probes 0.50mm Pitch

OS-038-0460-WH-188B

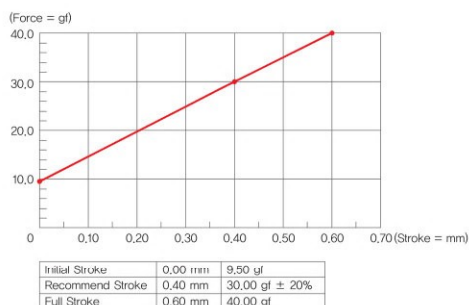
S036-AWA-0068A

0.50 mm



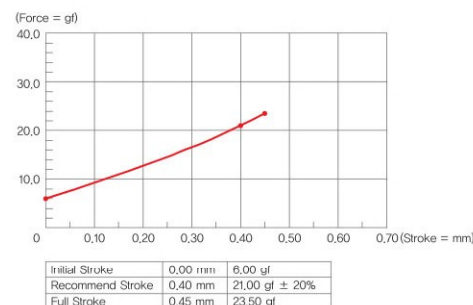
Mechanical Specifications

Min. Device Pitch	0.50mm
Pin Height	4.6mm
Contact spring force	30.0gf@0.40mm
Recommend stroke	0.40mm
Full stroke	0.60mm
Operating temperature	-40~140℃



Mechanical Specifications

Min. Device Pitch	0.50mm
Pin Height	2.2mm
Contact spring force	21.0gf@0.40mm
Recommend stroke	0.40mm
Full stroke	0.45mm
Operating temperature	-40~120℃



Materials and Finishes

Top plunger	Pd-Alloy
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Stainless Steel(Au)
Action	Single Action

Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Single Action

Electrical Specifications

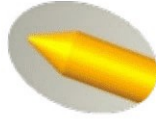
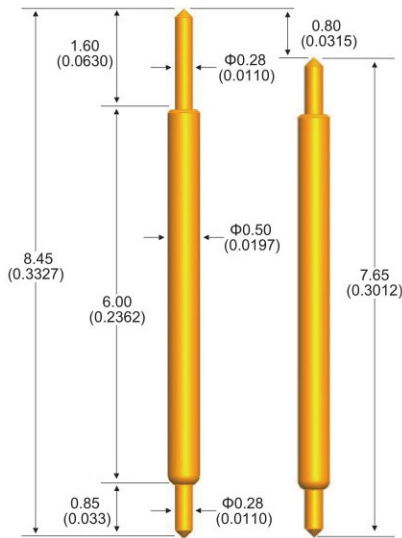
Current Rating	3.0A
Self Inductance	1.26nH
Bandwidth	18.9GHz@-1.00dB
DC Resistance	Less than 50mohm

Electrical Specifications

Current Rating	3.0A
Self Inductance	0.90nH
Bandwidth	24.5GHz@-1.00dB
DC Resistance	Less than 50mohm

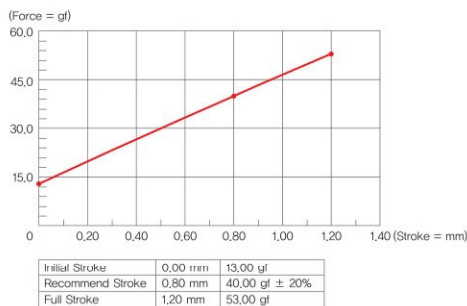
Spring Probes 0.65mm Pitch

D050-AAA-0069A



Mechanical Specifications

Min. Device Pitch	0.65mm
Pin Height	8.45mm
Contact spring force	40.0gf@0.80mm
Recommend stroke	0.80mm
Full stroke	1.20mm
Operating temperature	-40~120°C



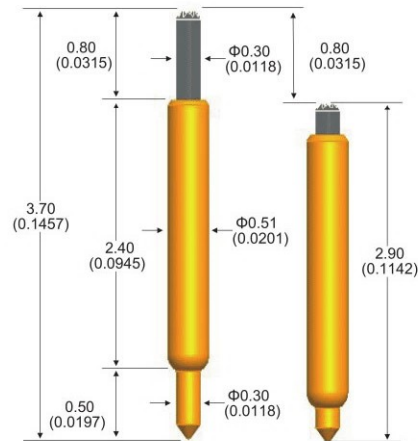
Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

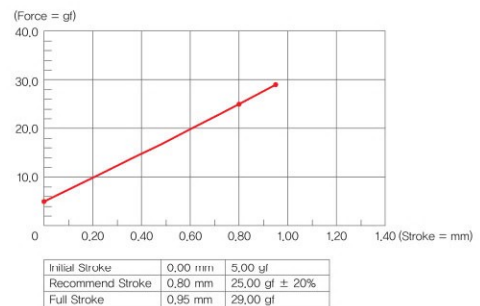
Current Rating	2.0A
Self Inductance	1.51nH
Bandwidth	13.4GHz@-1.00dB
DC Resistance	Less than 50mohm

D051-AQM-0070A



Mechanical Specifications

Min. Device Pitch	0.65mm
Pin Height	3.7mm
Contact spring force	25.0gf@0.80mm
Recommend stroke	0.80mm
Full stroke	0.95mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Pd-Alloy
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

Current Rating	2.5A
Self Inductance	0.98nH
Bandwidth	12.3GHz@-1.00dB
DC Resistance	Less than 50mohm

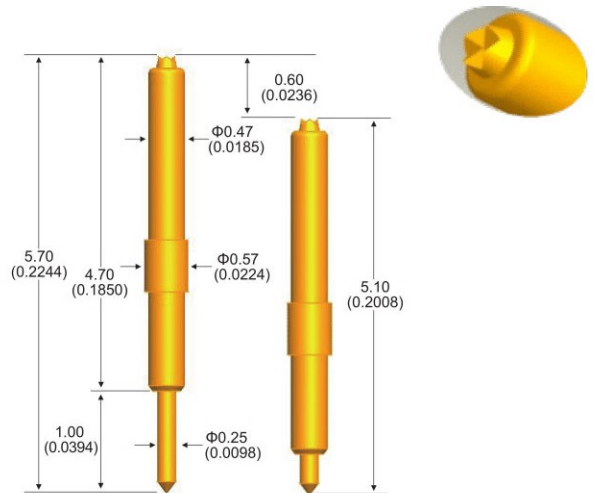
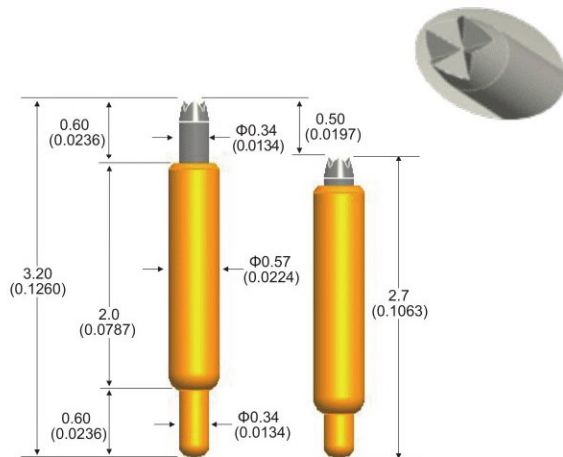
0.65 mm

Spring Probes 0.65mm Pitch

D057-AWM-0071A

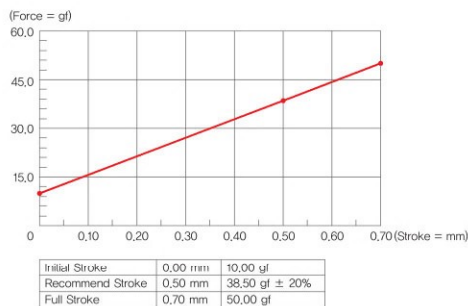
1823-11HX

0.65 mm



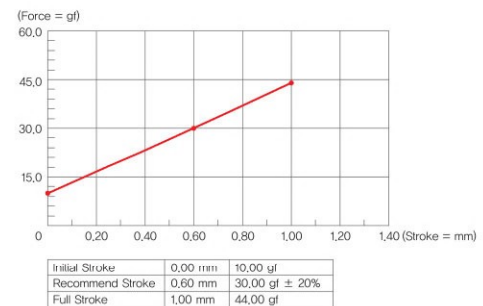
Mechanical Specifications

Min. Device Pitch	0.65mm
Pin Height	3.2mm
Contact spring force	38.5gf@0.50mm
Recommend stroke	0.50mm
Full stroke	0.70mm
Operating temperature	-40~120°C



Mechanical Specifications

Min. Device Pitch	0.65mm
Pin Height	5.7mm
Contact spring force	30.0gf@0.60mm
Recommend stroke	0.60mm
Full stroke	1.00mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Pd-Alloy
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Single Action

Electrical Specifications

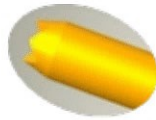
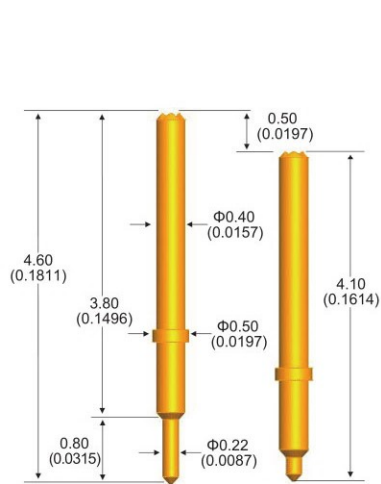
Current Rating	2.5A
Self Inductance	0.91nH
Bandwidth	12.6GHz@-1.00dB
DC Resistance	Less than 50mohm

Electrical Specifications

Current Rating	2.5A
Self Inductance	1.10nH
Bandwidth	15.2GHz@-1.00dB
DC Resistance	Less than 50mohm

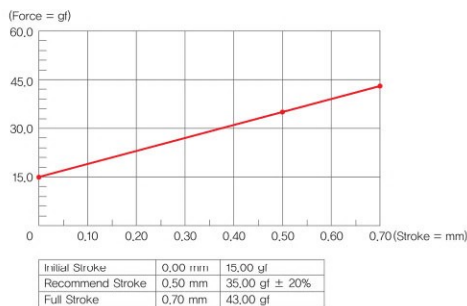
Spring Probes 0.65mm Pitch

S040-AWD-0072A



Mechanical Specifications

Min. Device Pitch	0.65mm
Pin Height	4.6mm
Contact spring force	35.0gf@0.50mm
Recommend stroke	0.50mm
Full stroke	0.70mm
Operating temperature	-40~140°C



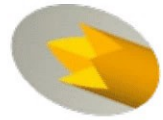
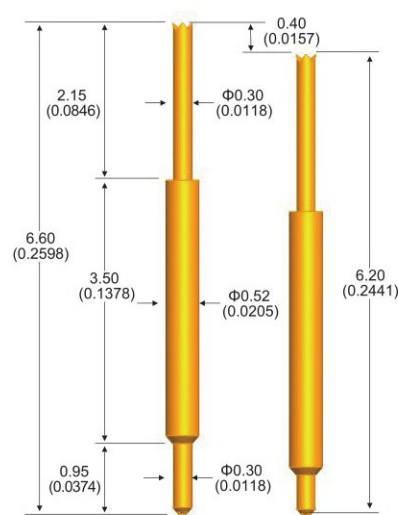
Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Stainless Steel(Au)
Action	Single Action

Electrical Specifications

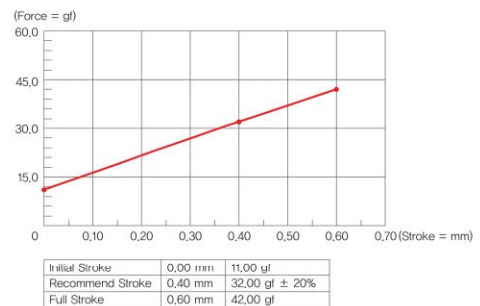
Current Rating	2.5A
Self Inductance	1.08nH
Bandwidth	16.0GHz@-1.00dB
DC Resistance	Less than 50mohm

S052-WHA-0073A



Mechanical Specifications

Min. Device Pitch	0.65mm
Pin Height	6.6mm
Contact spring force	32.0gf@0.40mm
Recommend stroke	0.40mm
Full stroke	0.60mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Single Action

Electrical Specifications

Current Rating	2.5A
Self Inductance	1.21nH
Bandwidth	12.8GHz@-1.00dB
DC Resistance	Less than 50mohm

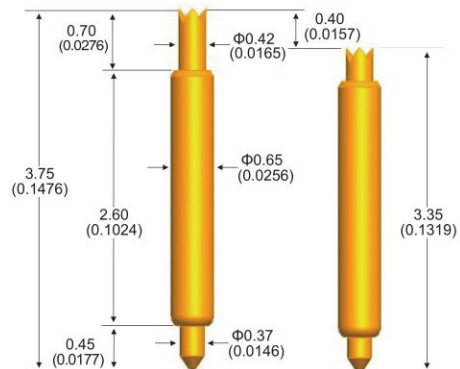
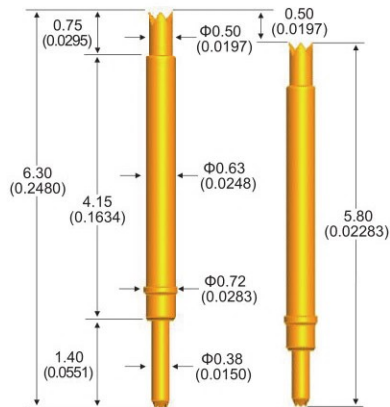
0.65 mm

Spring Probes 0.80mm Pitch

S063-WHA-0027A

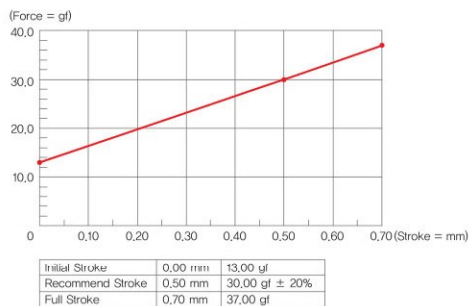
D065-AHA-0075A

0.80 mm



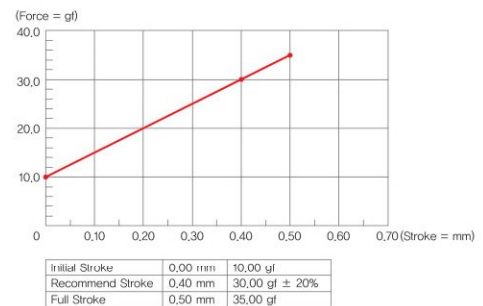
Mechanical Specifications

Min. Device Pitch	0.80mm
Pin Height	6.3mm
Contact spring force	30.0gf@0.50mm
Recommend stroke	0.50mm
Full stroke	0.70mm
Operating temperature	-40~120°C



Mechanical Specifications

Min. Device Pitch	0.80mm
Pin Height	3.75mm
Contact spring force	30.0gf@0.40mm
Recommend stroke	0.40mm
Full stroke	0.50mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Brass(Ni/Au)
Spring	Music Wire(Au)
Action	Single Action

Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

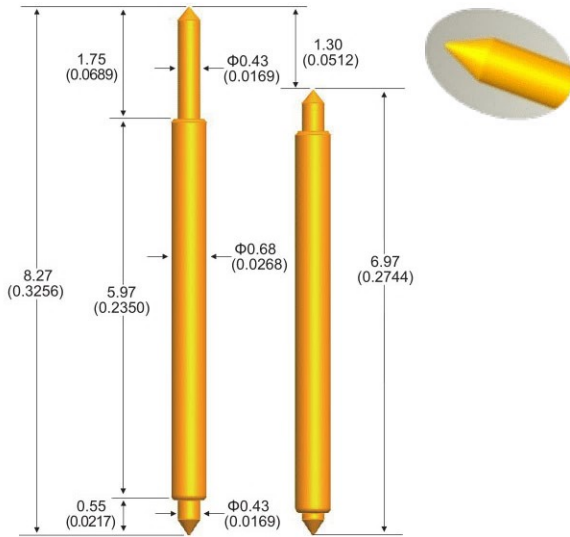
Current Rating	2.5A
Self Inductance	0.98nH
Bandwidth	16.9GHz@-1.00dB
DC Resistance	Less than 50mohm

Electrical Specifications

Current Rating	2.5A
Self Inductance	0.89nH
Bandwidth	21.9GHz@-1.00dB
DC Resistance	Less than 50mohm

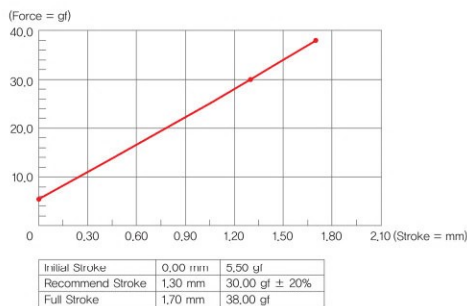
Spring Probes 0.80mm Pitch

D068-AAA-0076A



Mechanical Specifications

Min. Device Pitch	0.80mm
Pin Height	8.27mm
Contact spring force	30.0gf@1.30mm
Recommend stroke	1.30mm
Full stroke	1.70mm
Operating temperature	-40~120°C



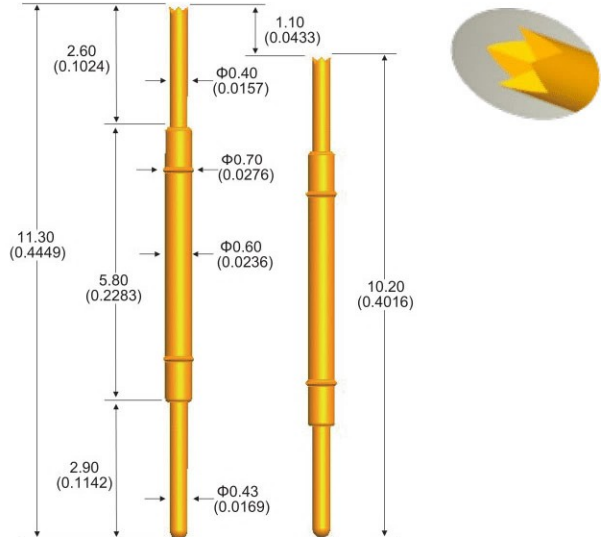
Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

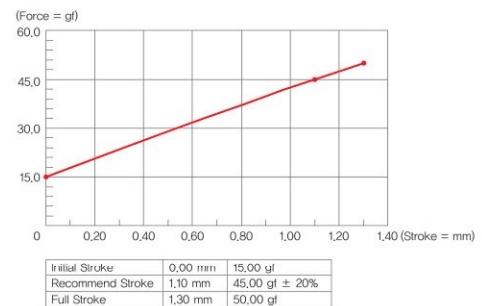
Current Rating	2.5A
Self Inductance	1.13nH
Bandwidth	14.0GHz@-1.00dB
DC Resistance	Less than 50mohm

D060-RHA-0020B



Mechanical Specifications

Min. Device Pitch	0.80mm
Pin Height	11.30mm
Contact spring force	45.0gf@1.10mm
Recommend stroke	1.10mm
Full stroke	1.30mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Double Action

Electrical Specifications

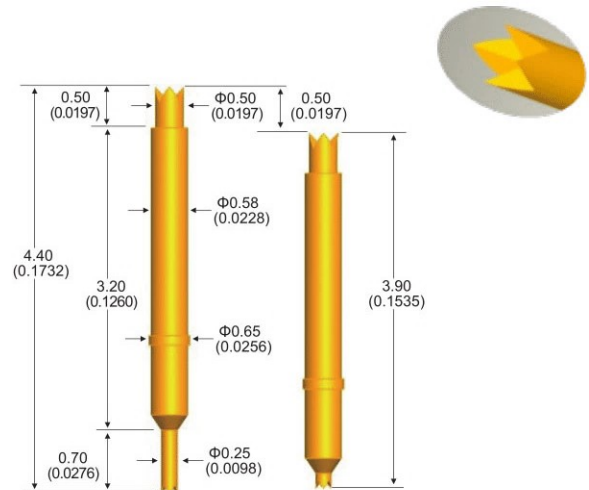
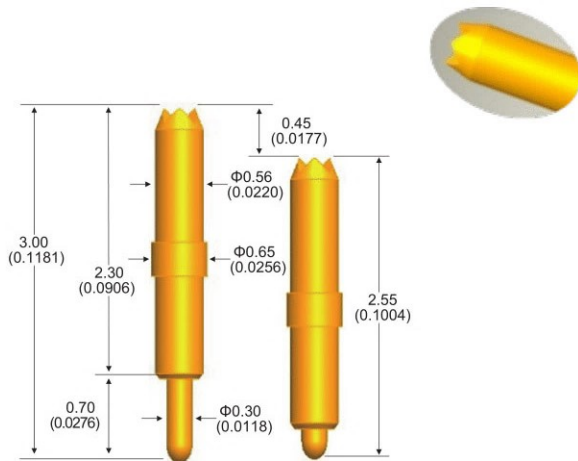
Current Rating	2.5A
Self Inductance	1.47nH
Bandwidth	11.8GHz@-1.00dB
DC Resistance	Less than 50mohm

Spring Probes 0.80mm Pitch

S056-RWA-0077A

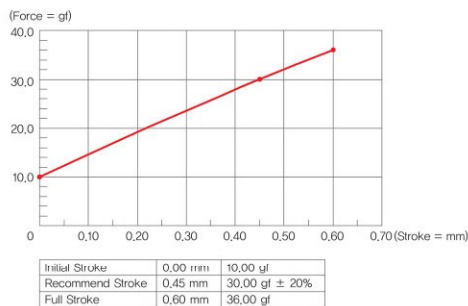
S058-HHB-0078A

0.80 mm



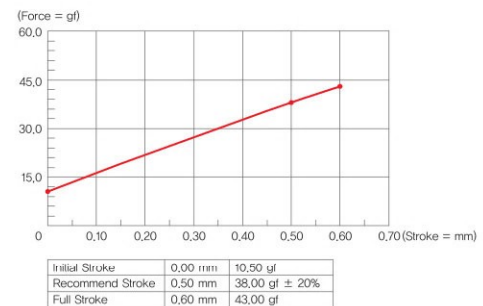
Mechanical Specifications

Min. Device Pitch	0.80mm
Pin Height	3.0mm
Contact spring force	30.0gf@0.45mm
Recommend stroke	0.45mm
Full stroke	0.60mm
Operating temperature	-40~120°C



Mechanical Specifications

Min. Device Pitch	0.80mm
Pin Height	4.4mm
Contact spring force	38.0gf@0.50mm
Recommend stroke	0.50mm
Full stroke	0.60mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Brass(Ni/Au)
Spring	Music Wire(Au)
Action	Single Action

Materials and Finishes

Top plunger	Hardened BeCu(Ni/Au)
Bottom Plunger	Hardened BeCu(Ni/Au)
Barrel	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)
Action	Single Action

Electrical Specifications

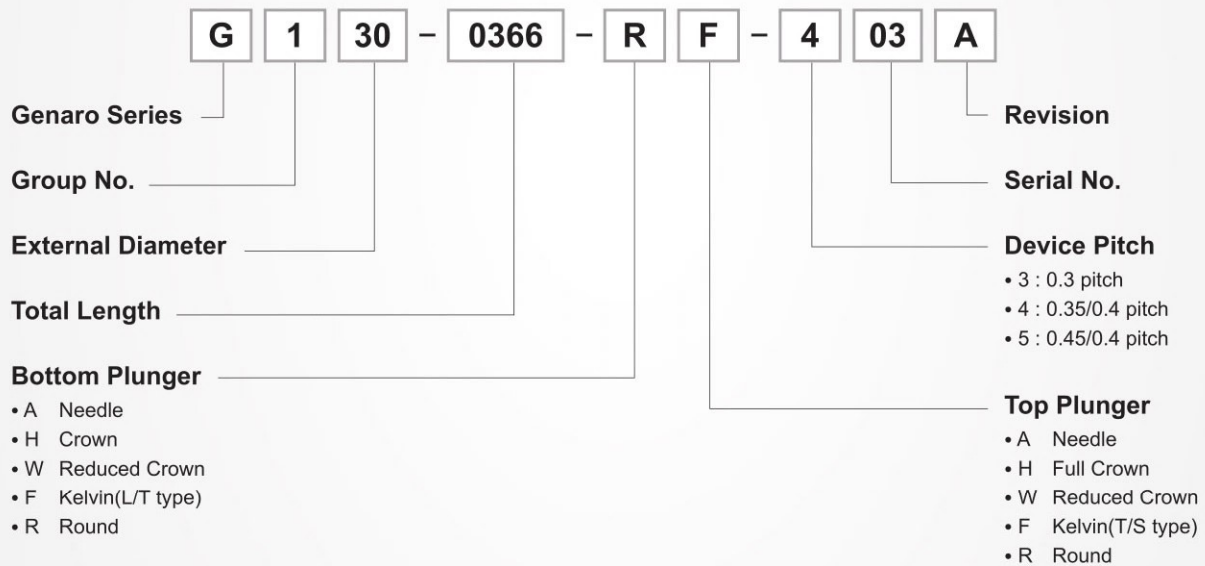
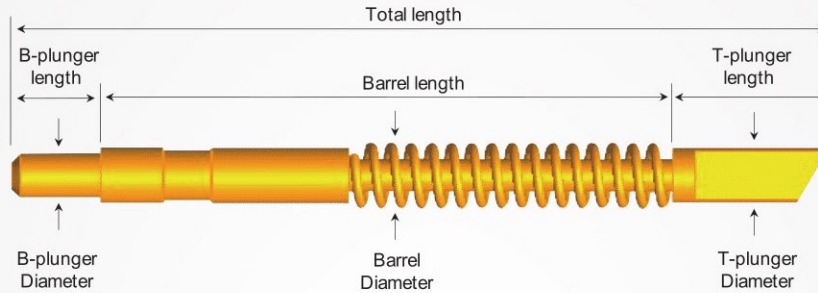
Current Rating	2.5A
Self Inductance	0.69nH
Bandwidth	23.1GHz@-1.00dB
DC Resistance	Less than 50mohm

Electrical Specifications

Current Rating	2.5A
Self Inductance	0.86nH
Bandwidth	19.8GHz@-1.00dB
DC Resistance	Less than 50mohm

Genaro Pin

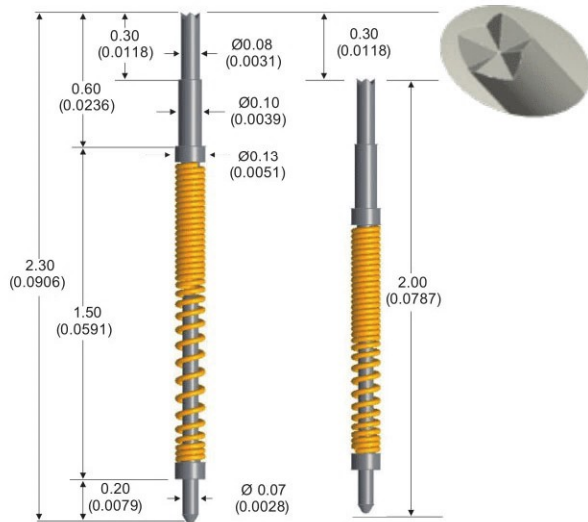
Part Numbering System



Pitch	Part No.	Page
0.20	G013-AHM-0349A, G013-AAM-0377A	28
0.35	G125-0366-RF-404S, G125-0366-RW-404T	29
0.40	G129-0540-RH-405A, G130-0366-RF-403B, G130-0366-RF-403S, G130-0366-RF-403T	30~31
0.50	G138-0230-RF-505A, G138-0250-RH-508A	32
0.65	G145-0200-RH-806A, G158-0440-RH-804A	33

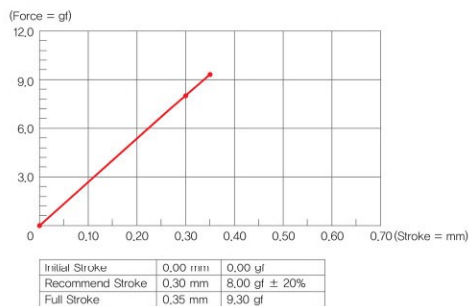
Genaro Pin **0.20mm** Pitch

G013-AHM-0349A



Mechanical Specifications

Min. Device Pitch	0.20mm
Pin Height	2.30mm
Contact spring force	8.0gf@0.30mm
Recommend stroke	0.30mm
Full stroke	0.35mm
Operating temperature	-40~120°C



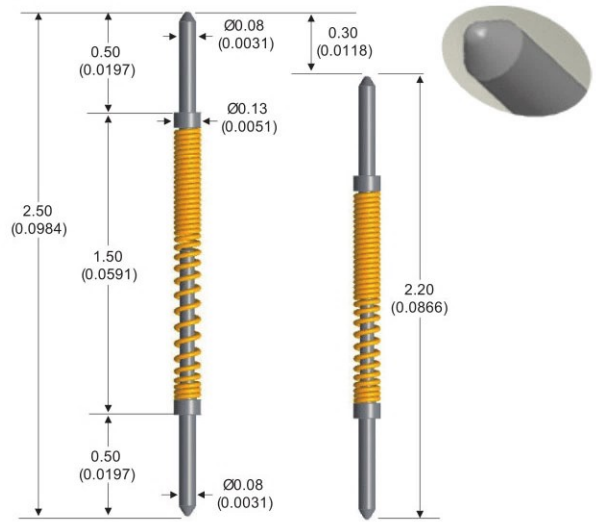
Materials and Finishes

Top plunger	Pd-Alloy
Bottom Plunger	Pd-Alloy
Spring	Music Wire(Au)

Electrical Specifications

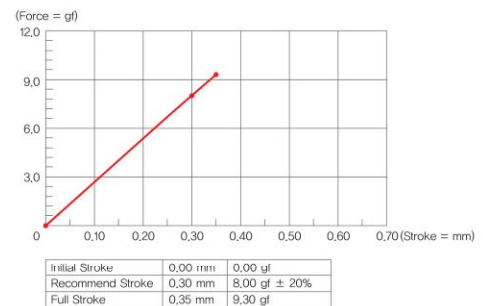
Current Rating	0.25A
Self Inductance	1.49nH
Bandwidth	1.20GHz@-1.00dB
DC Resistance	Less than 300mohm

G013-AAM-0377A



Mechanical Specifications

Min. Device Pitch	0.20mm
Pin Height	2.50mm
Contact spring force	8.0gf@0.30mm
Recommend stroke	0.30mm
Full stroke	0.35mm
Operating temperature	-40~120°C



Materials and Finishes

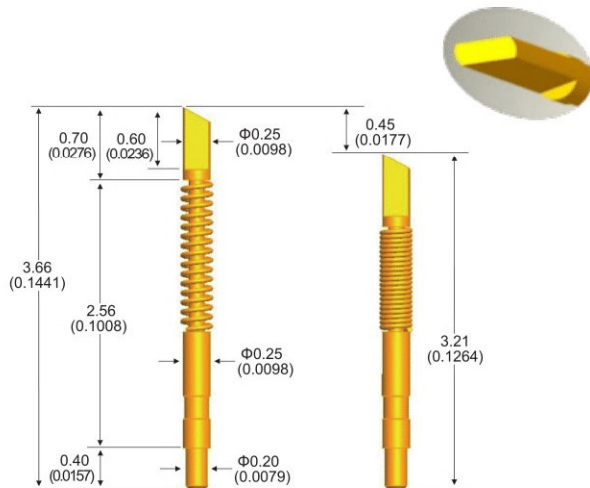
Top plunger	Pd-Alloy
Bottom Plunger	Pd-Alloy
Spring	Music Wire(Au)

Electrical Specifications

Current Rating	0.25A
Self Inductance	1.49nH
Bandwidth	1.20GHz@-1.00dB
DC Resistance	Less than 300mohm

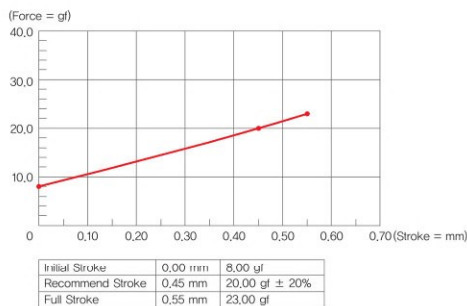
Genaro Pin **0.35mm Pitch**

G125-0366-RF-404S



Mechanical Specifications

Min. Device Pitch	0.35mm
Pin Height	3.66mm
Contact spring force	20.0gf@0.45mm
Recommend stroke	0.45mm
Full stroke	0.55mm
Operating temperature	-40~140℃



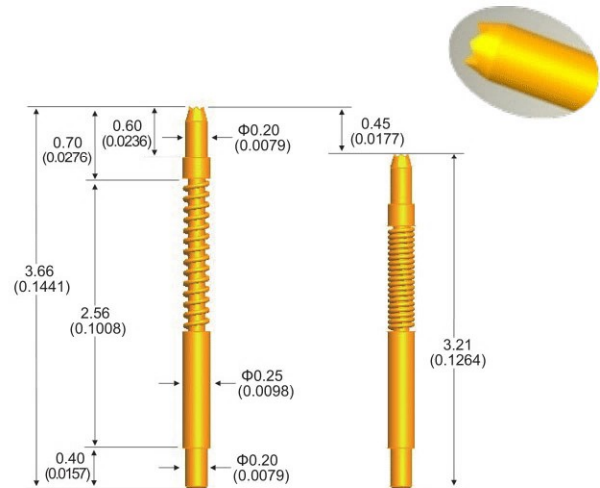
Materials and Finishes

Top plunger	Hardened Steel(Ni/PdCo/Au)
Bottom Plunger	Phosphorous Bronze(Ni/Au)
Spring	Stainless Steel (Au)

Electrical Specifications

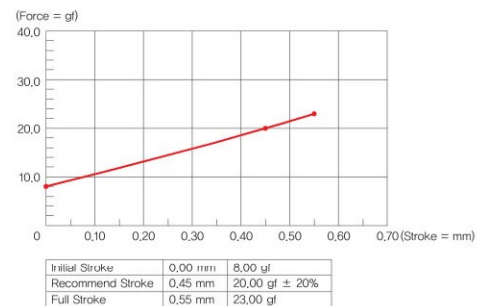
Current Rating	2.0A
Self Inductance	0.91nH
Bandwidth	21.0GHz@-1.00dB
DC Resistance	Less than 80mohm

G125-0366-RW-404T



Mechanical Specifications

Min. Device Pitch	0.35mm
Pin Height	3.66mm
Contact spring force	20.0gf@0.45mm
Recommend stroke	0.45mm
Full stroke	0.55mm
Operating temperature	-40~140℃



Materials and Finishes

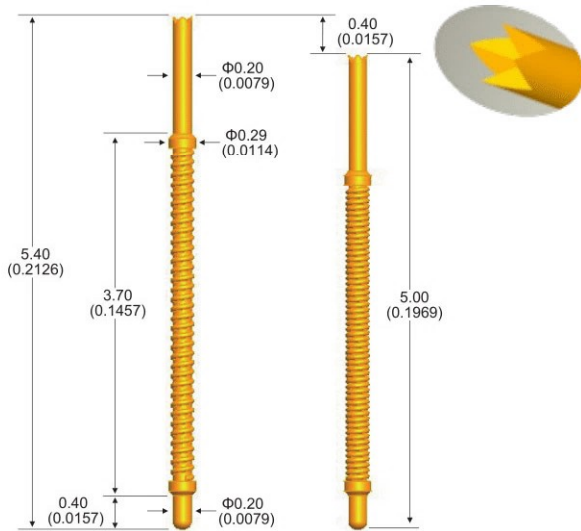
Top plunger	Hardened Steel(Ni/PdCo/Au)
Bottom Plunger	Phosphorous Bronze(Ni/Au)
Spring	Stainless Steel (Au)

Electrical Specifications

Current Rating	2.0A
Self Inductance	0.91nH
Bandwidth	21.0GHz@-1.00dB
DC Resistance	Less than 80mohm

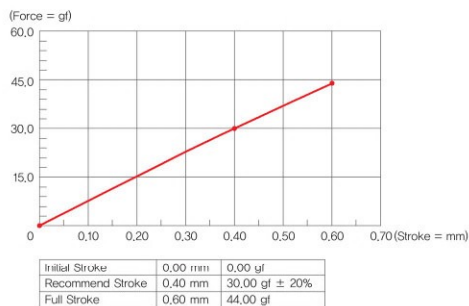
Genaro Pin 0.40mm Pitch

G129-0540-RH-405A



Mechanical Specifications

Min. Device Pitch	0.40mm
Pin Height	5.4mm
Contact spring force	30.0gf@0.40mm
Recommend stroke	0.40mm
Full stroke	0.60mm
Operating temperature	-40~120°C



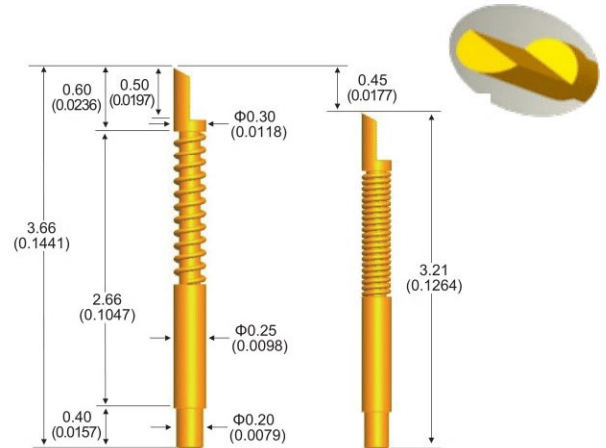
Materials and Finishes

Top plunger	Hardened Steel(Ni/PdCo/Au)
Bottom Plunger	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)

Electrical Specifications

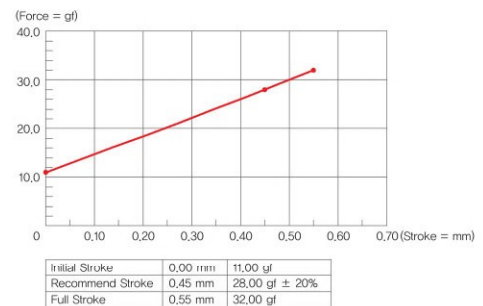
Current Rating	2.5A
Self Inductance	1.24nH
Bandwidth	17.8GHz@-1.00dB
DC Resistance	Less than 50mohm

G130-0366-RF-403B



Mechanical Specifications

Min. Device Pitch	0.40mm
Pin Height	3.66mm
Contact spring force	28.0gf@0.45mm
Recommend stroke	0.45mm
Full stroke	0.55mm
Operating temperature	-40~120°C



Materials and Finishes

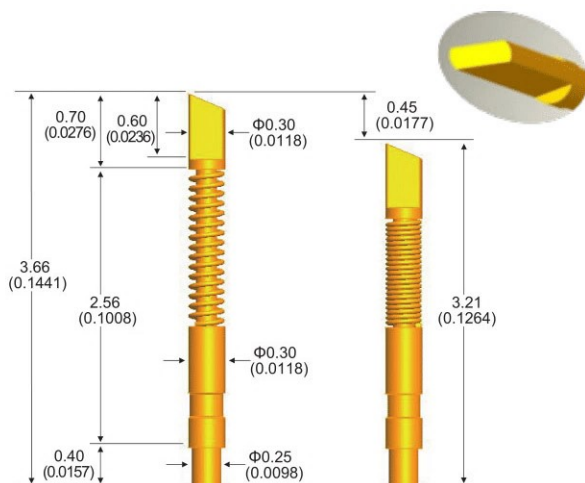
Top plunger	Hardened Steel(Ni/PdCo/Au)
Bottom Plunger	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)

Electrical Specifications

Current Rating	2.0A
Self Inductance	0.91nH
Bandwidth	21.0GHz@-1.00dB
DC Resistance	Less than 50mohm

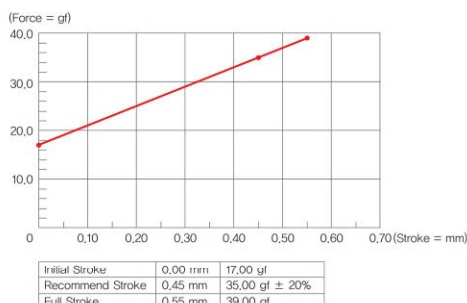
Genaro Pin 0.40mm Pitch

G130-0366-RF-403S



Mechanical Specifications

Min. Device Pitch	0.40mm
Pin Height	3.66mm
Contact spring force	35.0gf@0.45mm
Recommend stroke	0.45mm
Full stroke	0.55mm
Operating temperature	-40~140°C



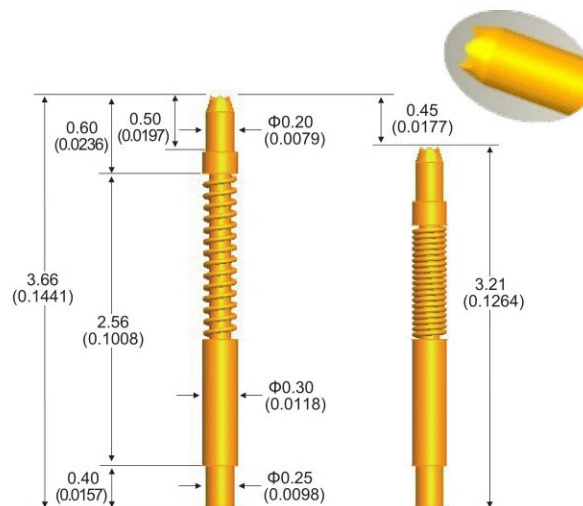
Materials and Finishes

Top plunger	Hardened Steel(Ni/PdCo/Au)
Bottom Plunger	Phosphorous Bronze(Ni/Au)
Spring	Stainless Steel (Au)

Electrical Specifications

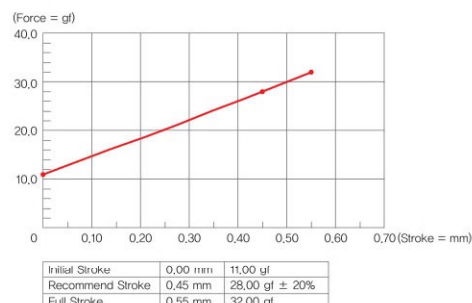
Current Rating	2.5A
Self Inductance	0.91nH
Bandwidth	21.0GHz@-1.00dB
DC Resistance	Less than 50mohm

G130-0366-RF-403T



Mechanical Specifications

Min. Device Pitch	0.40mm
Pin Height	3.66mm
Contact spring force	28.0gf@0.45mm
Recommend stroke	0.45mm
Full stroke	0.55mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened Steel(Ni/PdCo/Au)
Bottom Plunger	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)

Electrical Specifications

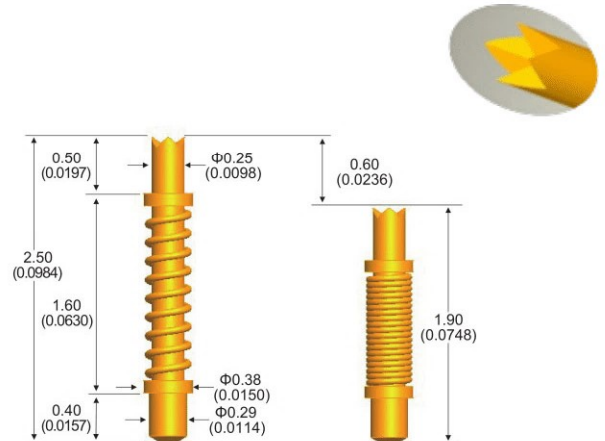
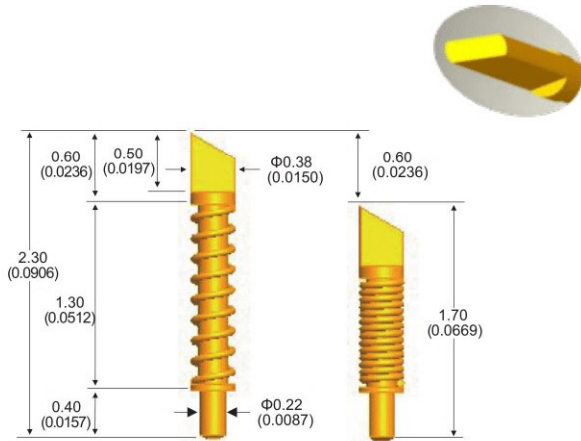
Current Rating	2.0A
Self Inductance	0.91nH
Bandwidth	21.0GHz@-1.00dB
DC Resistance	Less than 50mohm

Genaro Pin **0.50mm Pitch**

G138-0230-RF-505A

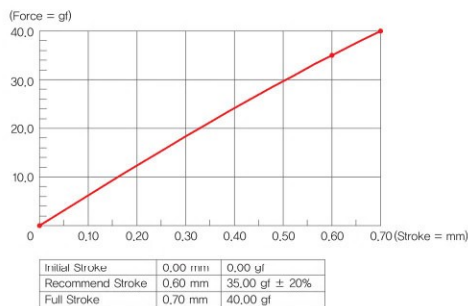
G138-0250-RH-508A

0.50 mm



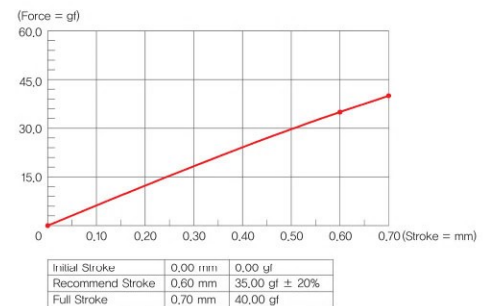
Mechanical Specifications

Min. Device Pitch	0.45mm
Pin Height	2.3mm
Contact spring force	35.0gf@0.60mm
Recommend stroke	0.60mm
Full stroke	0.70mm
Operating temperature	-40~120°C



Mechanical Specifications

Min. Device Pitch	0.45mm
Pin Height	2.5mm
Contact spring force	35.0gf@0.60mm
Recommend stroke	0.60mm
Full stroke	0.70mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened Steel(Ni/PdCo/Au)
Bottom Plunger	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)

Materials and Finishes

Top plunger	Hardened Steel(Ni/PdCo/Au)
Bottom Plunger	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)

Electrical Specifications

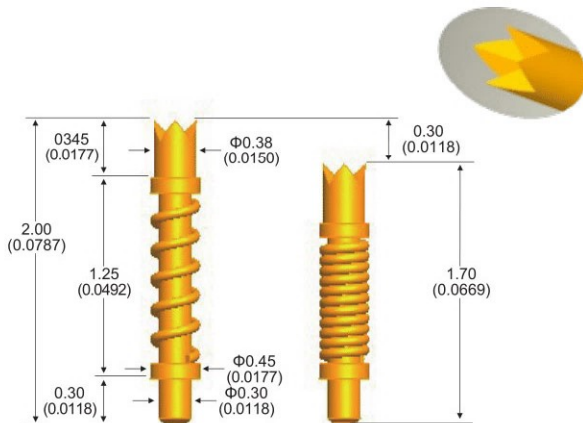
Current Rating	3.0A
Self Inductance	0.76nH
Bandwidth	22.6GHz@-1.00dB
DC Resistance	Less than 40mohm

Electrical Specifications

Current Rating	3.0A
Self Inductance	0.76nH
Bandwidth	22.6GHz@-1.00dB
DC Resistance	Less than 40mohm

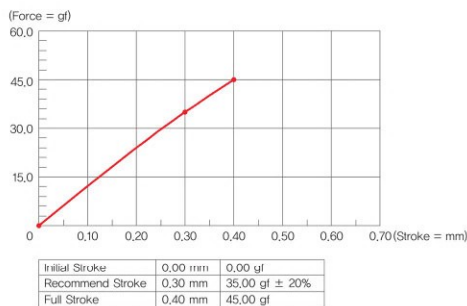
Genaro Pin **0.65mm Pitch**

G145-0200-RH-806A



Mechanical Specifications

Min. Device Pitch	0.65mm
Pin Height	2.0mm
Contact spring force	35.0gf@0.30mm
Recommend stroke	0.30mm
Full stroke	0.40mm
Operating temperature	-40~120°C



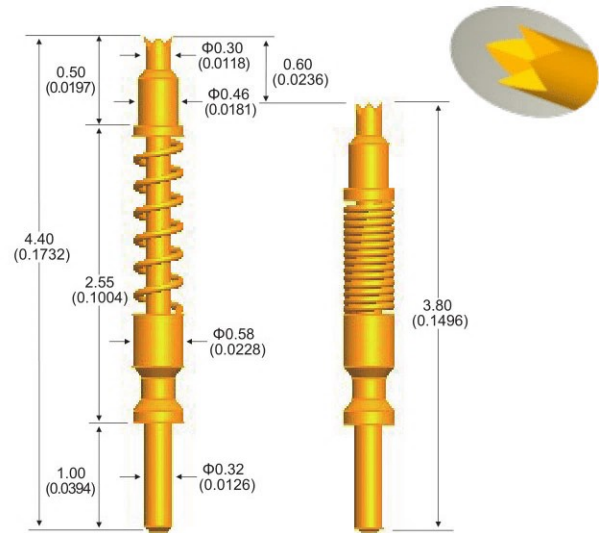
Materials and Finishes

Top plunger	Hardened Steel(Ni/PdCo/Au)
Bottom Plunger	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)

Electrical Specifications

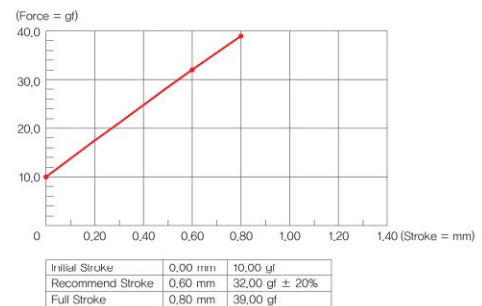
Current Rating	3.5A
Self Inductance	0.62nH
Bandwidth	24.8GHz@-1.00dB
DC Resistance	Less than 40mohm

G158-0440-RH-804A



Mechanical Specifications

Min. Device Pitch	0.65mm
Pin Height	4.4mm
Contact spring force	32.0gf@0.60mm
Recommend stroke	0.60mm
Full stroke	0.80mm
Operating temperature	-40~120°C



Materials and Finishes

Top plunger	Hardened Steel(Ni/PdCo/Au)
Bottom Plunger	Phosphorous Bronze(Ni/Au)
Spring	Music Wire(Au)

Electrical Specifications

Current Rating	3.0A
Self Inductance	0.98nH
Bandwidth	16.5GHz@-1.00dB
DC Resistance	Less than 40mohm



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