



HYPERSPACE



PRODUCT CATALOGUE

Leader of Semiconductor Test Solution Provider

www.hyperspace-intl.com



COMPANY

PARTNERS MISSION

Our Company

Established in 2004, Hyperspace is now recognized as one of the leading test probes manufacturers in the semiconductor industry. We design, manufacture and distribute a wide range of test probes for all semiconductor test applications.

Our Partners

Hyperspace selects and appoints strategically-located supply chain as our business partners globally.

They provide specialized products and services to support our offering of the best quality test probes so as to provide flexibility and the most competitive pricing to our customers.

Our customers base worldwide includes some of the well-known semiconductor design and fab-less companies, manufacturers and subcontractors.

Our Mission

We are committed to provide precise engineering, proximity location, punctuality delivery, and premium after sales service.

Our Vision

Plan and project Hyperspace to be the largest semiconductor test probe manufacturer in the region.



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TECHNOLOGY ROADMAP

XITANO SERIES



Traditional Design



XITANO Pin

Top plunger - Barrel = 1 piece solid rod

- Traditional design: Top plunger and barrel assembled from separate components

SLATINO SERIES



Traditional Design



SLATINO Pin

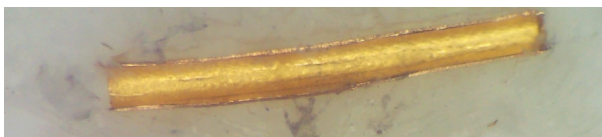
Single stroke - Single action - Single piece rod production

- Traditional design: Top plunger and barrel assembled from 2 separate components

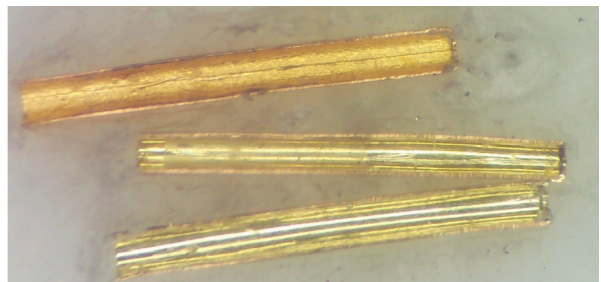
CHROMO SERIES

Gold Cladded Barrel Tube Technology

- Traditional design: PBT tube



Traditional Barrel Tube (PBT)
(Cross Section View)



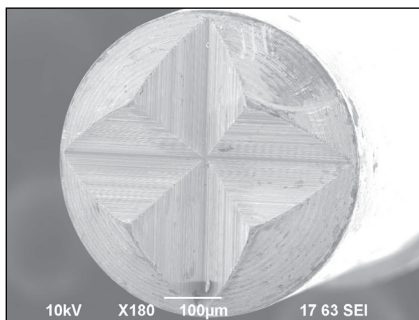
High Performance CHROMO Barrel Tube
(GOLD CLADDING Technology - Cross Section View)



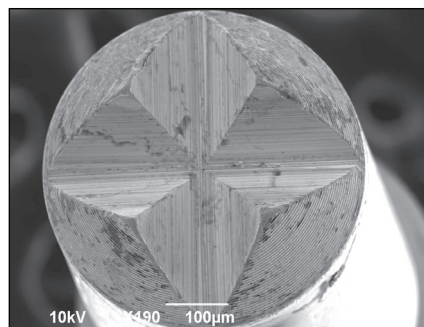
TECHNOLOGY ROAD MAP

BLACK GOLD ALLOY PLUNGER

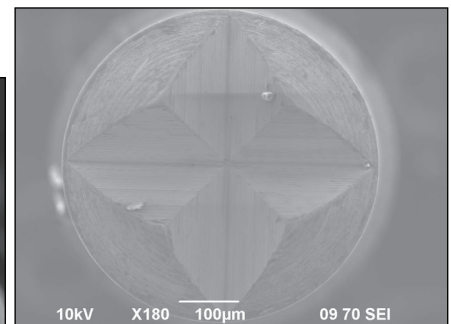
- To prevent solder migration contamination, gold plated plungers should be avoided.
- BLACK GOLD Alloy is a homogeneous material, therefore no plating is required.
- Advantage of BLACK GOLD Alloy is its resistance to foreign deposits which can be removed easily with any soft brush available.



Brand New



Used



After Cleaning

BLACK GOLD Alloy - Crown Tip

HYPER ALLOY SPRING



Conventional SWP/SUS Spring (Gold Plated)

- High temperature capability up to +155°C



Hyper Alloy Spring (No Plating)

- High temperature capability up to +200°C
- No plating required



PITCH

1.27mm Pitch

GP-1150D100H-01	-----	7
GP-2550B110B-01	-----	8

1.00mm Pitch

GP-570A84A-01	-----	9
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0.80mm Pitch

GP-570D58A-01	-----	10
GP-865C58C-04FS	-----	11

0.65mm Pitch

GP-480C50A-03	-----	12
GP-600CC51H-01	-----	13
GP-1200C50C-01	-----	14

0.50mm Pitch

GP-460C38H-1SA	-----	15
GP-480C38B-03	-----	16
GP-570A38A-01	-----	17
GO-630B40B-12	-----	18

0.40mm Pitch

GP-475A31C-33	-----	19
GP-570A31C-1SA	-----	20

0.35mm Pitch

GP-475B28C-35SA	-----	21
GP-570C28A-33	-----	22
GP-762D28A-01XB	-----	23

0.30mm Pitch

GPZ-570C20B-1BG	-----	24
GP-762A21A-01XB	-----	25
GP-1270B20B-01	-----	26

0.20mm Pitch

GP-285B15H-BG	-----	27
GPZ-400A13A-2BG	-----	28

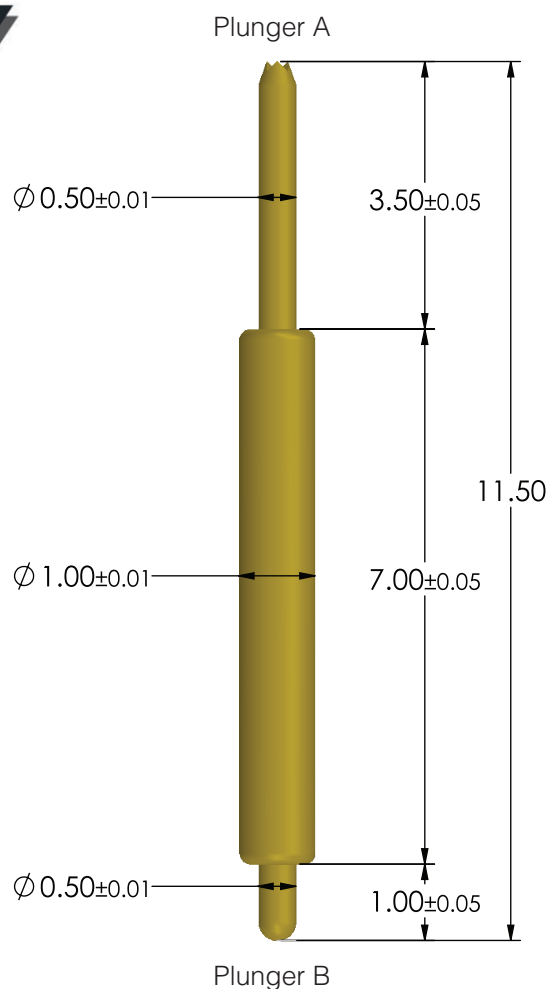
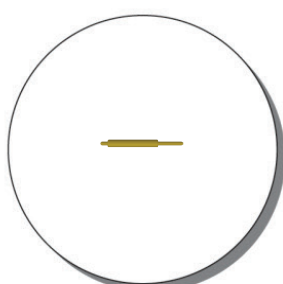
Pitch 1.27mm

GP-1150D100H-01

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	1.27mm
Rated Stroke	1.95mm
Full Stroke	2.60mm
Spring Force	33gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

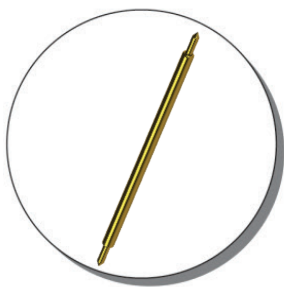
Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



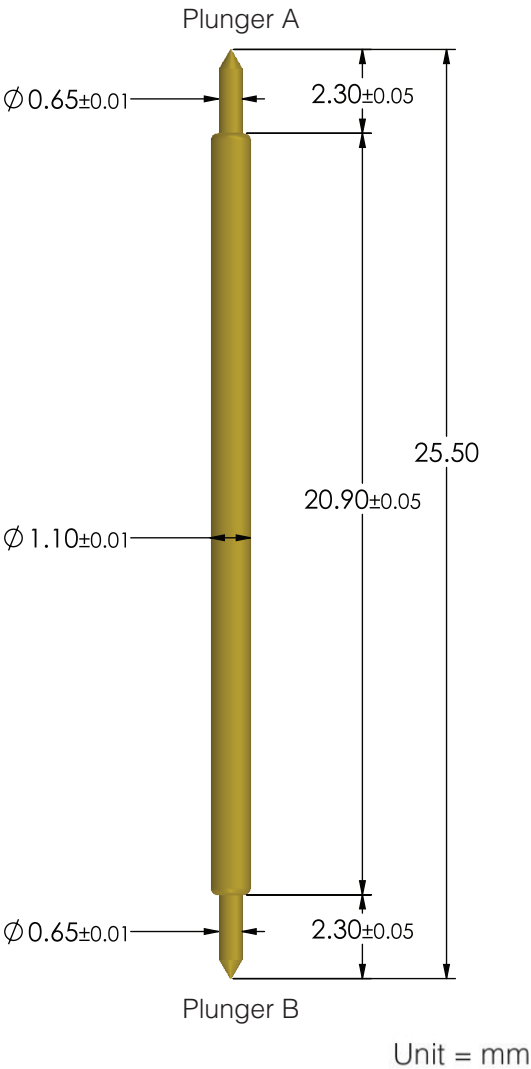
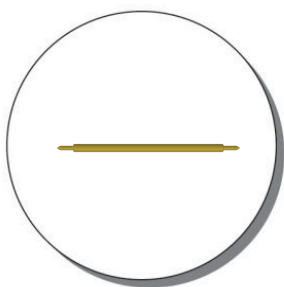
Pitch **1.27mm**

GP-2550B110B-01

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	1.27mm
Rated Stroke	2.20mm
Full Stroke	3.60mm
Spring Force	45gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



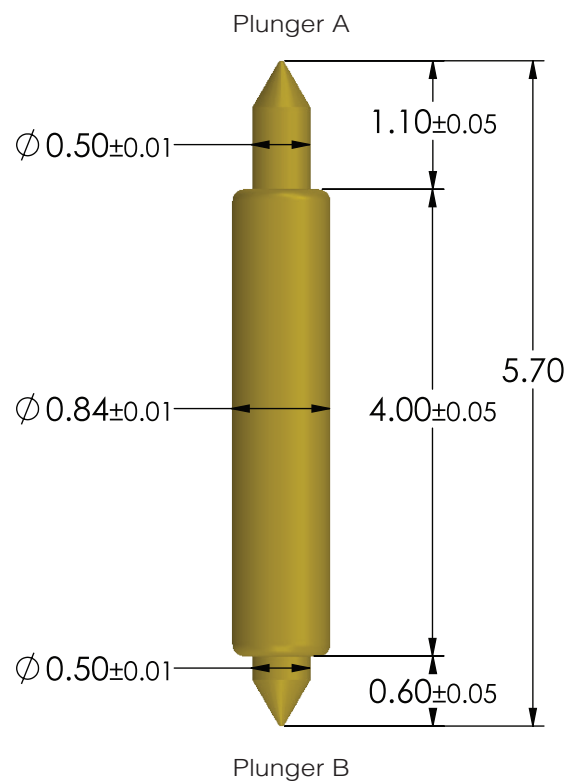
Pitch **1.00mm**

GP-570A84A-01

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	1.00mm
Rated Stroke	0.65mm
Full Stroke	1.10mm
Spring Force	25gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



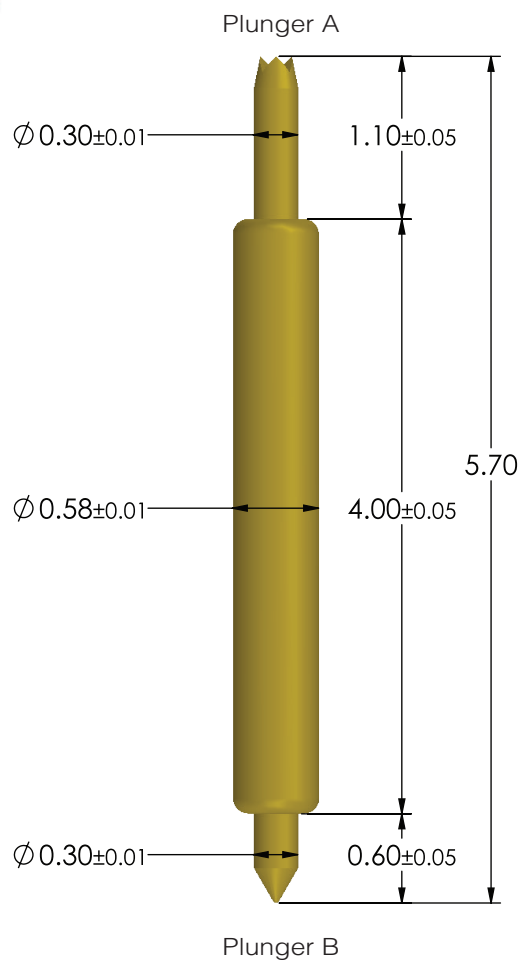
Pitch **0.80mm**

GP-570D58A-01

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	0.80mm
Rated Stroke	0.65mm
Full Stroke	1.10mm
Spring Force	25gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



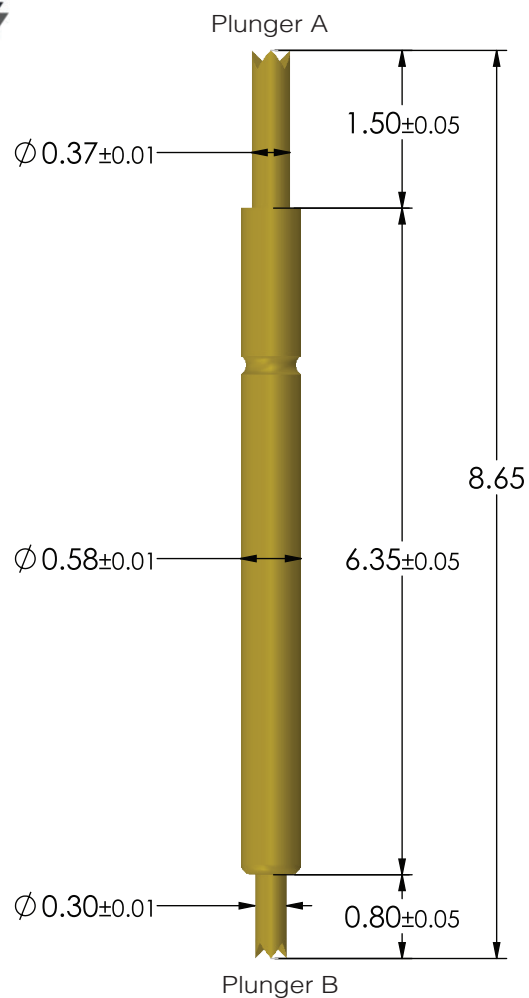
Pitch **0.80mm**

GP-865C58C-04FS

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	0.80mm
Rated Stroke	0.80mm
Full Stroke	1.00mm
Spring Force	32gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Hardened Steel	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Stainless Steel	Gold Plated



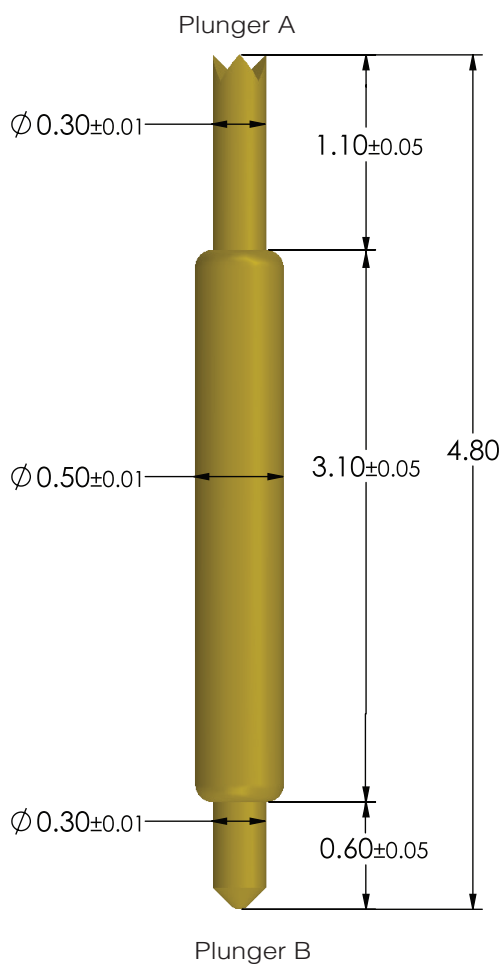
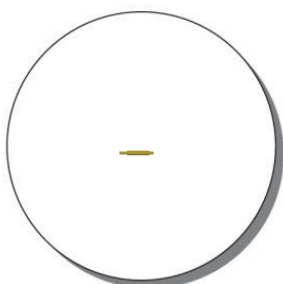
Pitch **0.65mm**

GP-480C50A-03

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	0.65mm
Rated Stroke	0.60mm
Full Stroke	1.00mm
Spring Force	25gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Hardened Steel	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



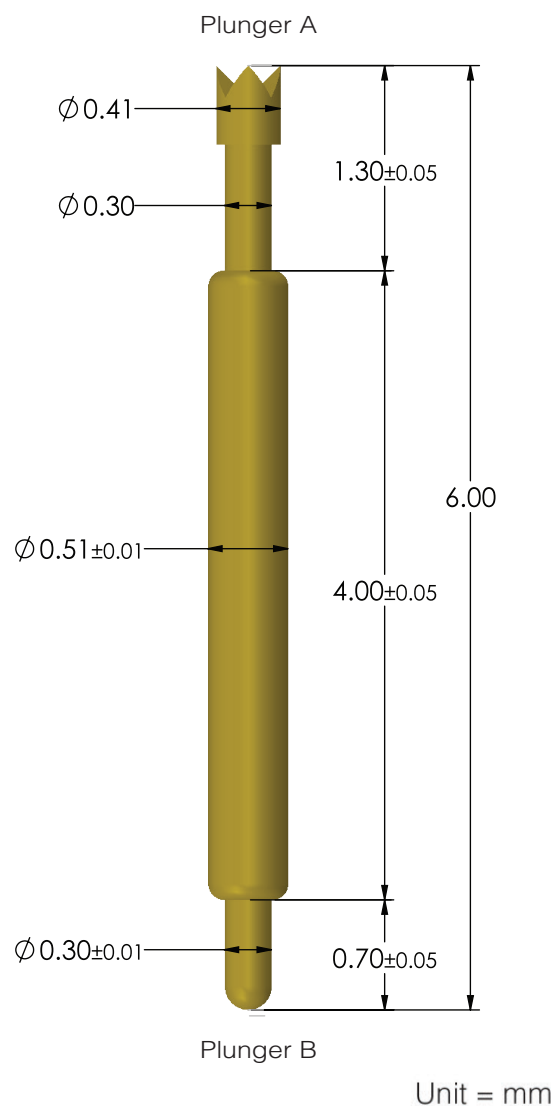
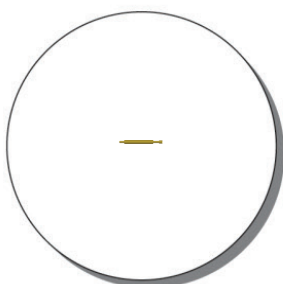
Pitch **0.65mm**

GP-600CC51H-01

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.65mm
Rated Stroke	1.10mm
Full Stroke	1.30mm
Spring Force	25gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



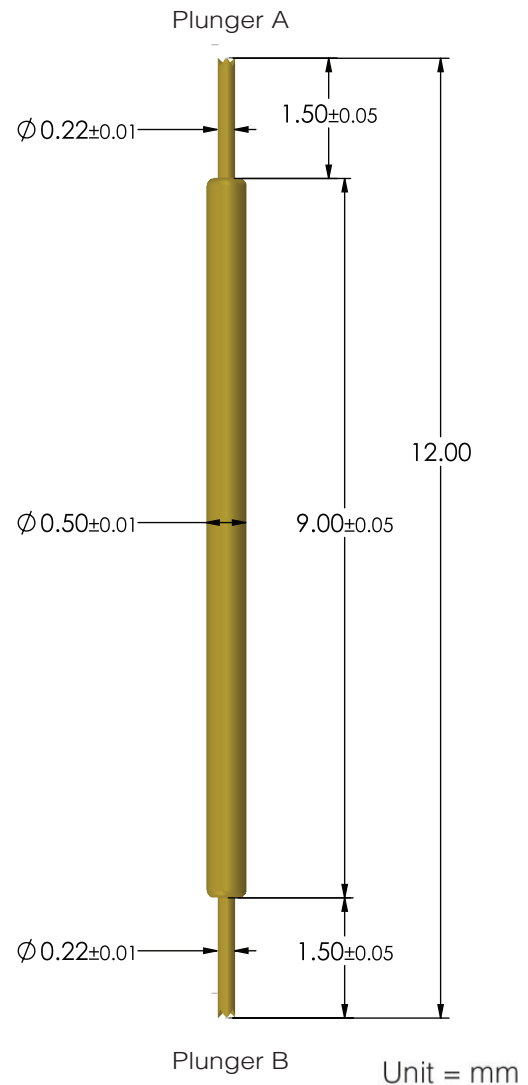
Pitch **0.65mm**

GP-1200C50C-01

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.65mm
Rated Stroke	0.75mm
Full Stroke	1.30mm
Spring Force	28gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	$< 50\text{m}\Omega$
Current Rating	3A, Continuous
Lifespan	$> 500,000$ insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated

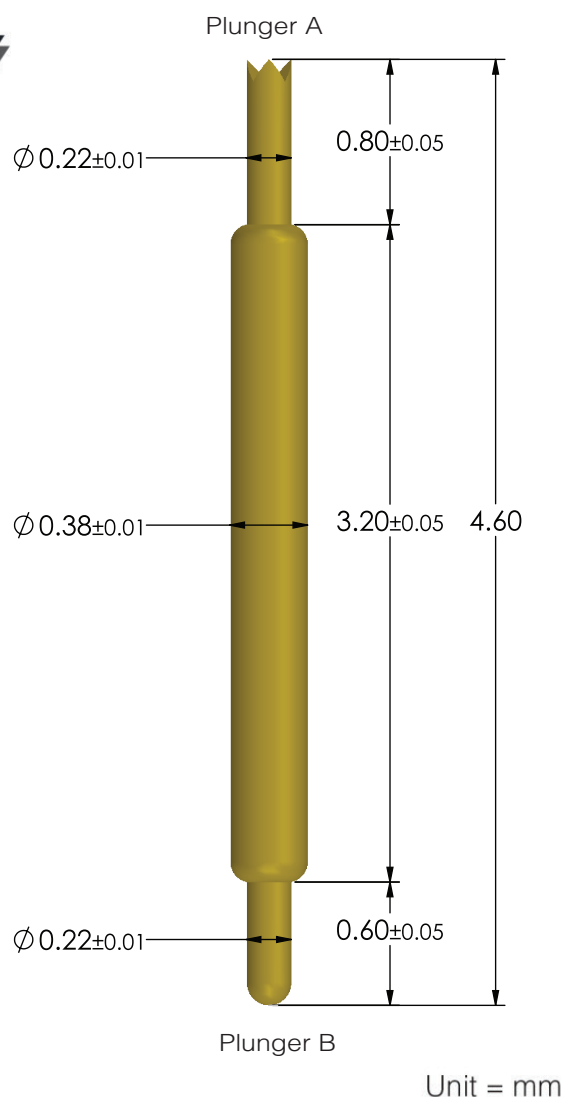
Pitch **0.50mm**

GP-460C38H-1SA

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.50mm
Rated Stroke	0.60mm
Full Stroke	0.80mm
Spring Force	35.50gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Hardened Steel	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



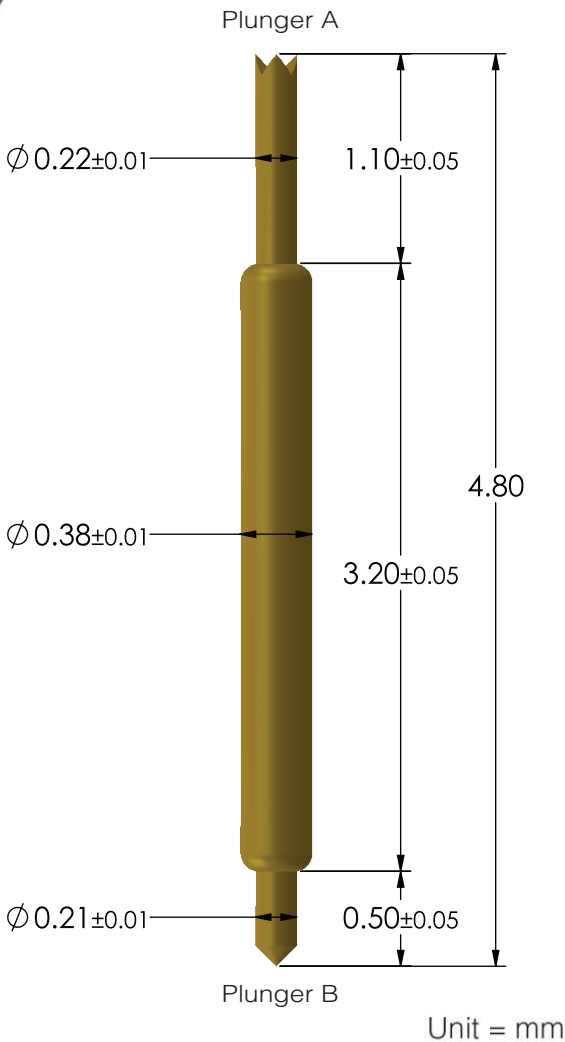
Pitch **0.50mm**

GP-480C38B-03

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.50mm
Rated Stroke	0.50mm
Full Stroke	0.60mm
Spring Force	30gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



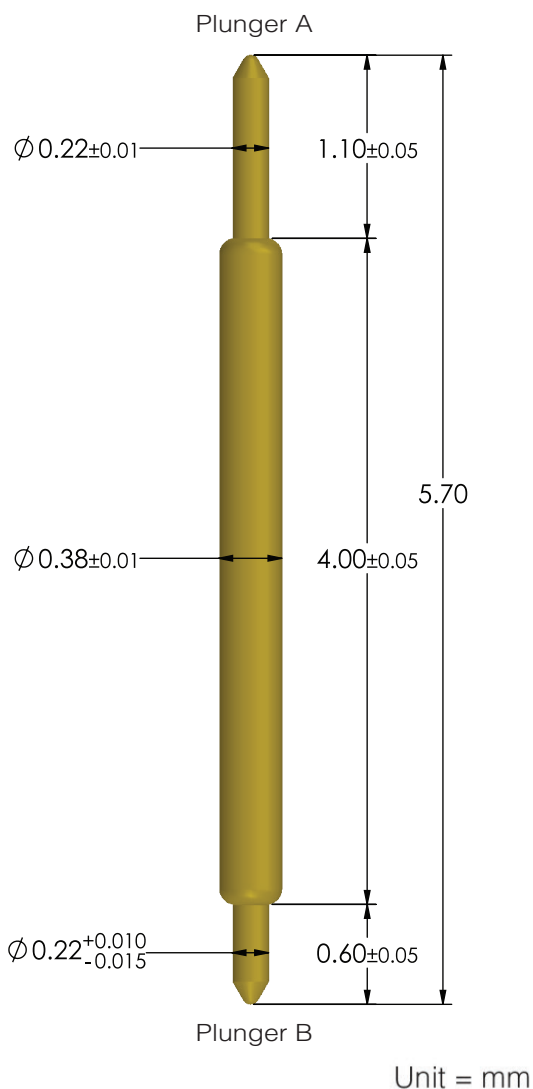
Pitch **0.50mm**

GP-570A38A-01

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.50mm
Rated Stroke	0.65mm
Full Stroke	0.80mm
Spring Force	25gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



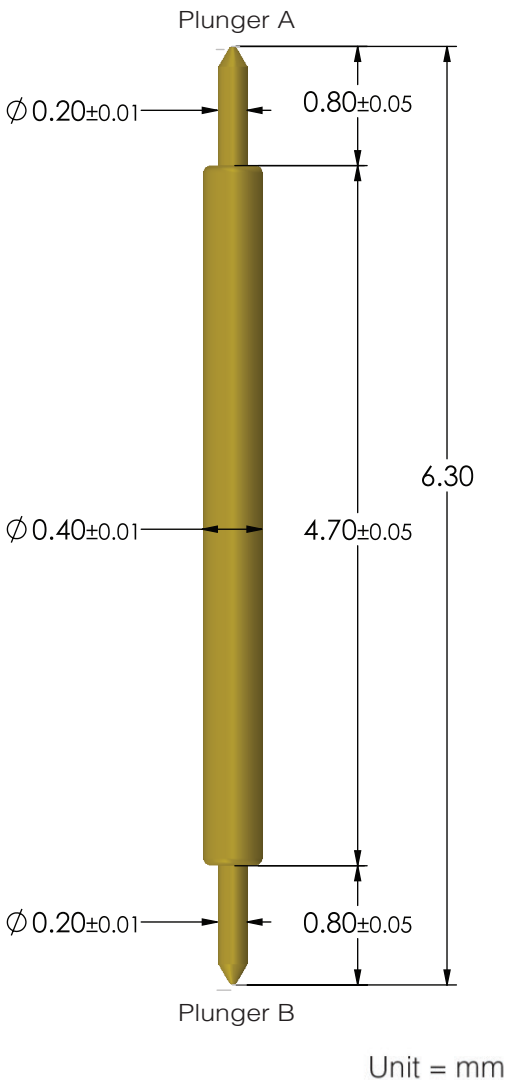
Pitch **0.50mm**

GP-630B40B-12

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.50mm
Rated Stroke	0.80mm
Full Stroke	1.20mm
Spring Force	13gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Stainless Steel	Gold Plated



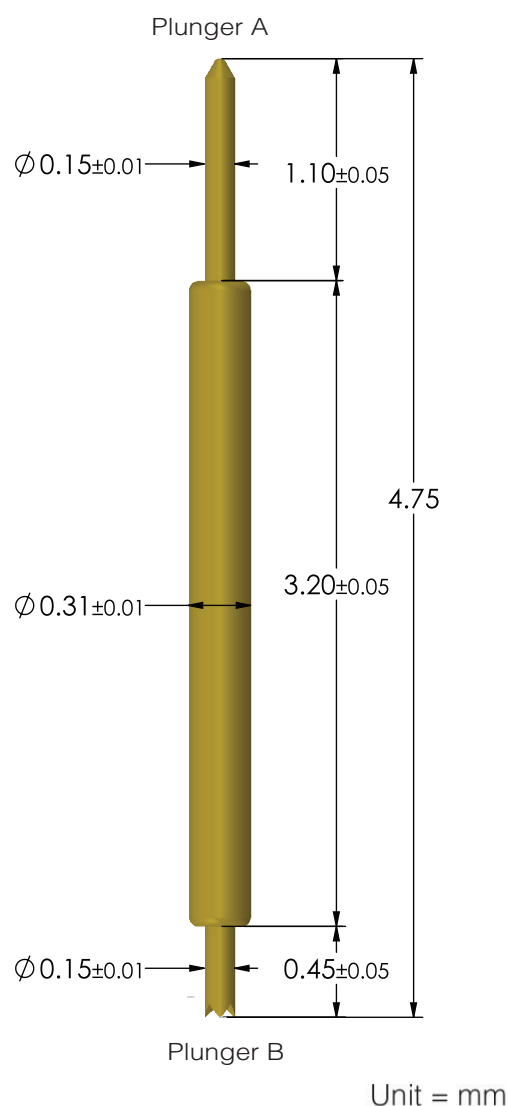
Pitch **0.40mm**

GP-475A31C-33

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.40mm
Rated Stroke	0.60mm
Full Stroke	0.90mm
Spring Force	25gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	2A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Hardened Steel	Gold Plated
Plunger B	Hardened Steel	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated

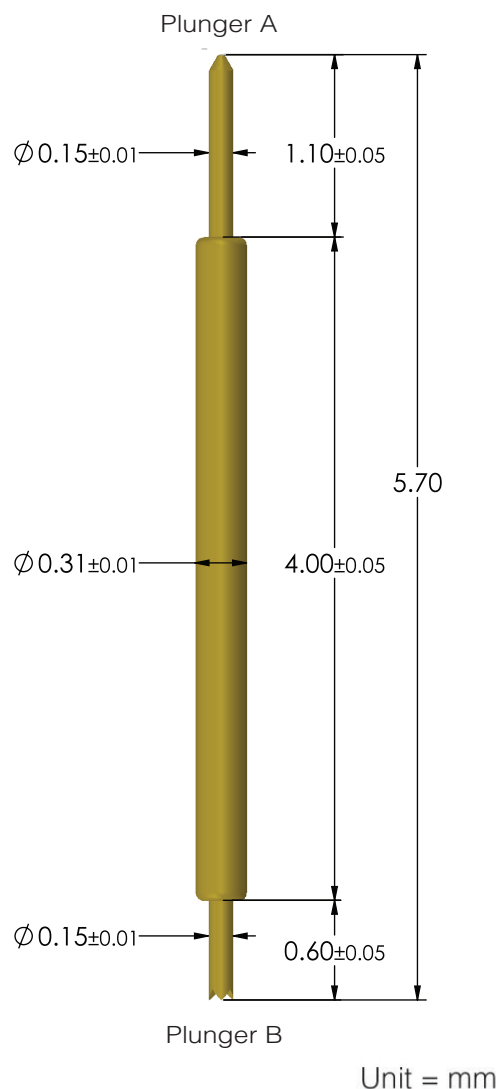
Pitch **0.40mm**

GP-570A31C-1SA

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.40mm
Rated Stroke	0.65mm
Full Stroke	1.10mm
Spring Force	25gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	2A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Hardened Steel	Gold Plated
Plunger B	Hardened Steel	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



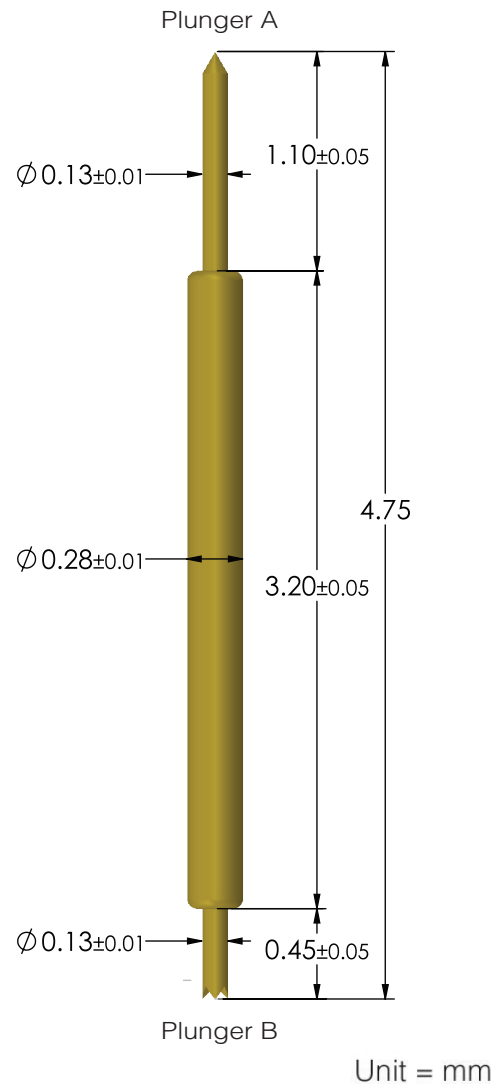
Pitch **0.35mm**

GP-475B28C-35SA

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.35mm
Rated Stroke	0.65mm
Full Stroke	1.10mm
Spring Force	25gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	2A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Hardened Steel	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



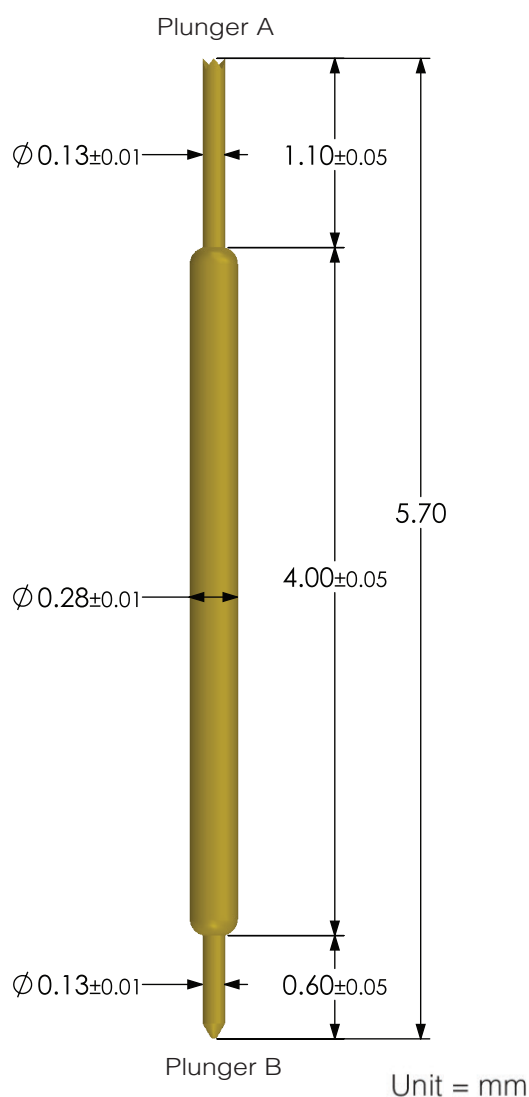
Pitch **0.35mm**

GP-570C28A-33

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.35mm
Rated Stroke	0.65mm
Full Stroke	1.10mm
Spring Force	25gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	2A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Hardened Steel	Gold Plated
Plunger B	Hardened Steel	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



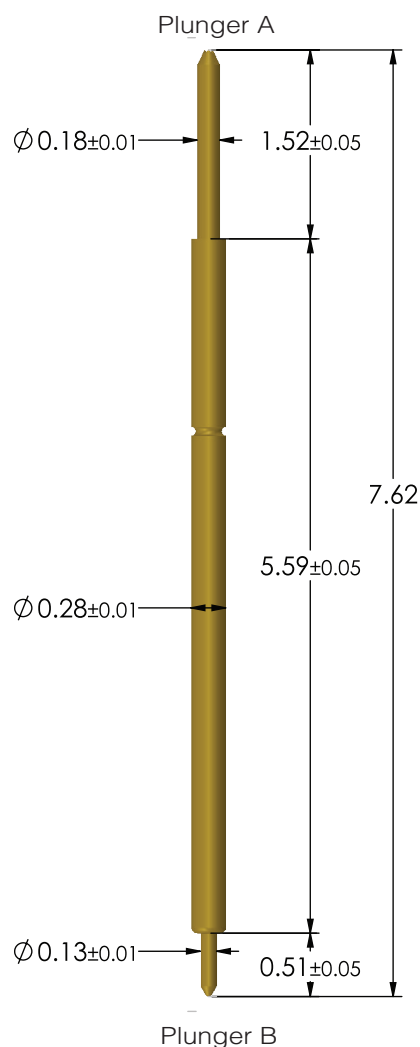
Pitch **0.35mm**

GP-762D28A-01XB

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	0.35mm
Rated Stroke	1.00mm
Full Stroke	1.40mm
Spring Force	4gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	2A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



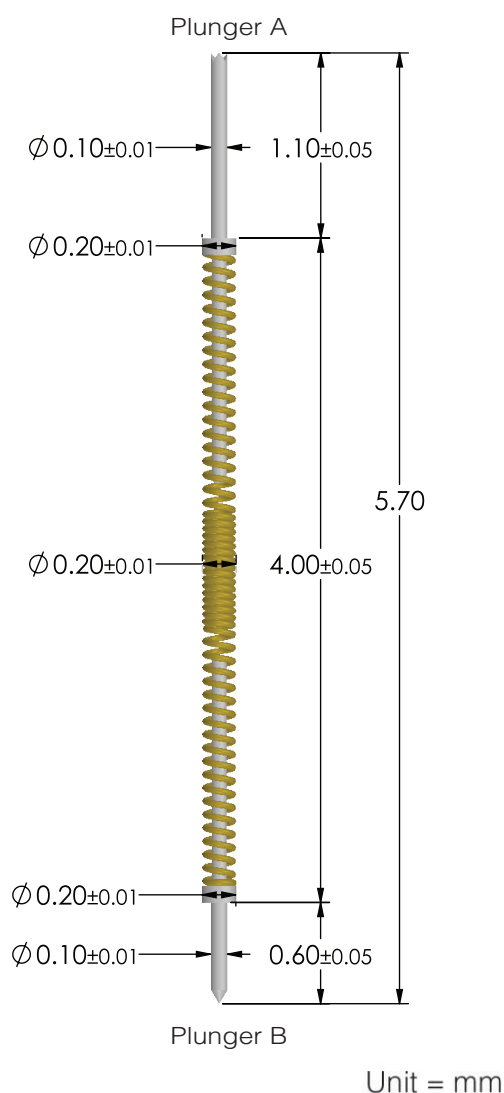
Pitch **0.30mm**

GPZ-570C20B-1BG

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.30mm
Rated Stroke	0.65mm
Full Stroke	1.00mm
Spring Force	10.80gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	1A, Continuous
Lifespan	> 300,000 insertion (Mechanical)

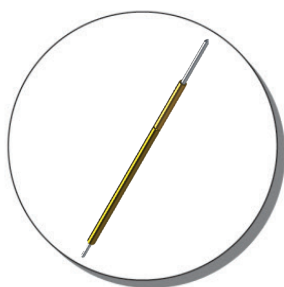
COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Black Gold Alloy	No Plating
Plunger B	Black Gold Alloy	No Plating
Barrel	-	-
Spring	Black Gold Alloy	Gold Plated

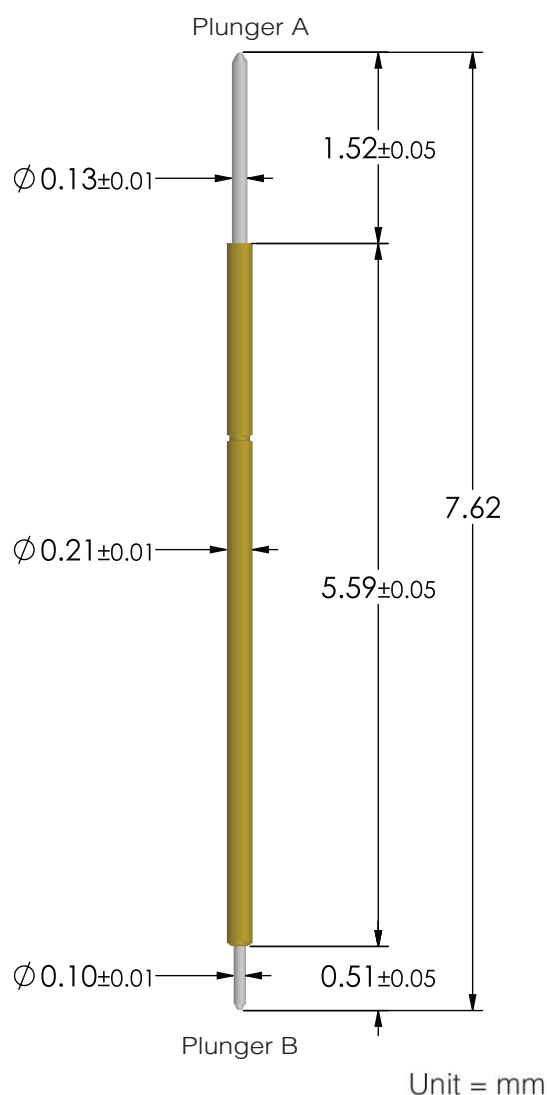
Pitch **0.30mm**

GP-762A21A-01XB

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.30mm
Rated Stroke	0.65mm
Full Stroke	0.80mm
Spring Force	10.50gf (±20%) at 2/3 Travel
Contact Resistance	< 100mΩ
Current Rating	1A, Continuous
Lifespan	> 300,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Black Gold Alloy	No Plating
Plunger B	Black Gold Alloy	No Plating
Barrel	High Performance PBT	Gold Plated
Spring	Black Gold Alloy	Gold Plated



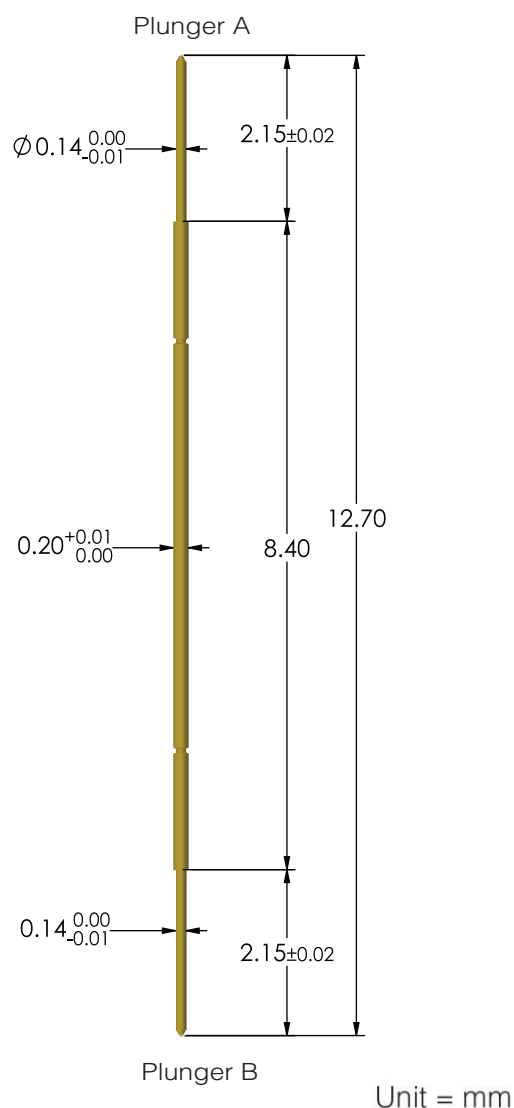
Pitch **0.30mm**

GP-1270B20B-01

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.30mm
Rated Stroke	1.20mm
Full Stroke	1.60mm
Spring Force	10gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	1A, Continuous
Lifespan	> 300,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated



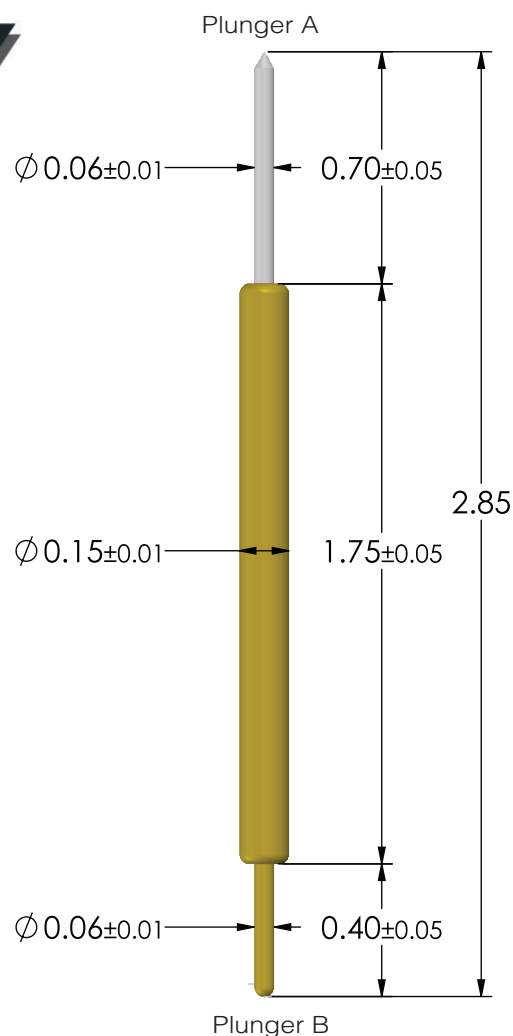
Pitch **0.20mm**

GP-285B15H-BG

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	0.20mm
Rated Stroke	0.30mm
Full Stroke	0.35mm
Spring Force	4.5gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	1A, Continuous
Lifespan	> 300,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Black Gold Alloy	No Plating
Plunger B	Beryllium Copper	Gold Plated
Barrel	Gold Alloy	No Plating
Spring	Music Wire	Gold Plated

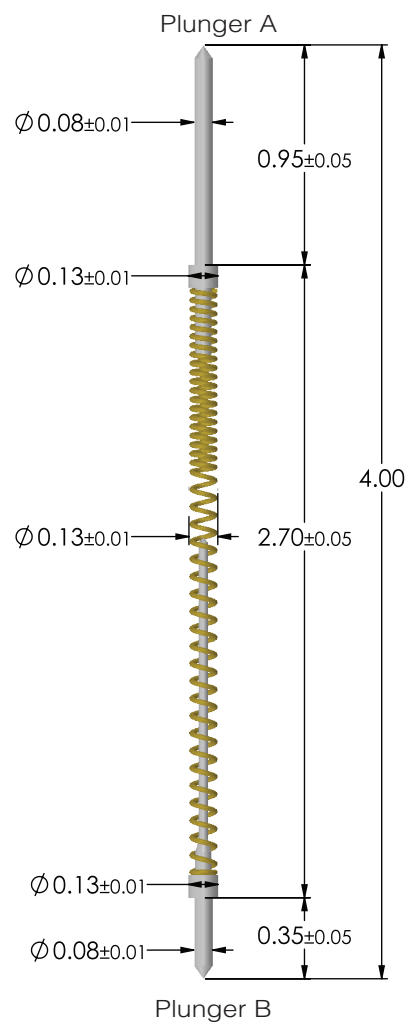
Pitch **0.20mm**

GPZ-400A13A-2BG

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	0.20mm
Rated Stroke	0.45mm
Full Stroke	0.70mm
Spring Force	10.80gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	1A, Continuous
Lifespan	> 300,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Black Gold Alloy	No Plating
Plunger B	Black Gold Alloy	No Plating
Barrel	-	-
Spring	Music Wire	Gold Plated



PERFORMANCE

Short Pin Series

GP-200A35A-1BP	-----	30
GP-287D38H-04	-----	31

High Performance Series

GP-570C38A-8BG	-----	32
GP-570K38A-9DB	-----	33

SLATINO (GPS) Series

GPS-287C38A-02	-----	34
GPS-455D38A-42BA	-----	35

XITANO (GPX) Series

GPX-150D65A-10BA	-----	36
GPX-300D65H-96BA	-----	37
GPX-585D65A-6BG	-----	38

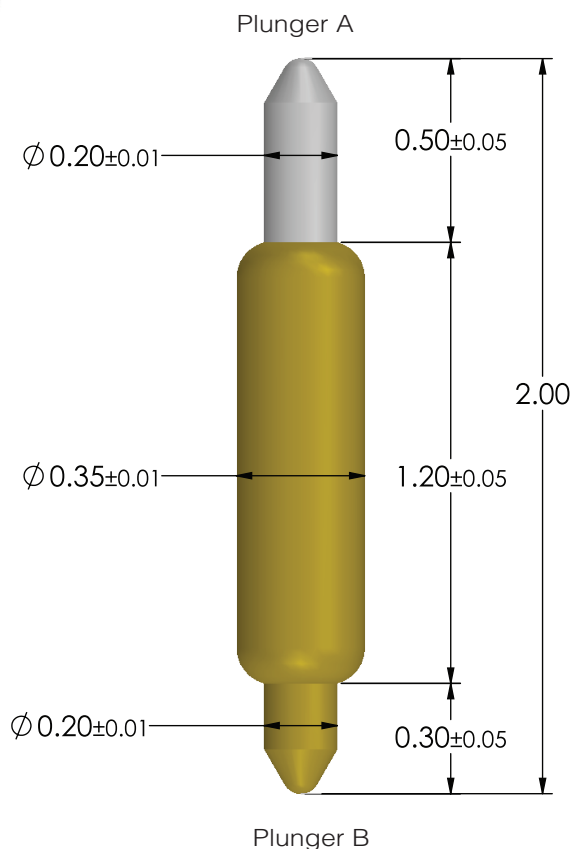
Short Pin Series

GP-200A35A-1BP

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	0.50mm
Rated Stroke	0.30mm
Full Stroke	0.40mm
Spring Force	18gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Black Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated

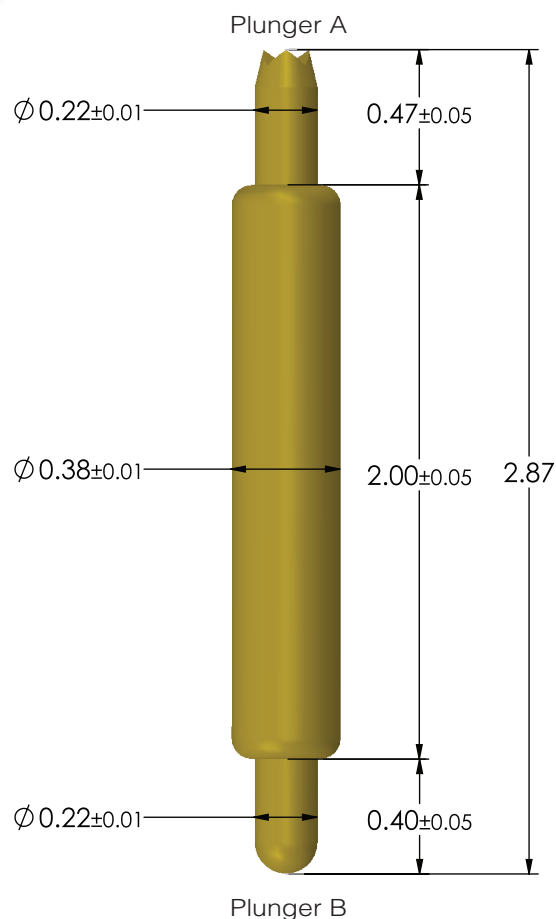
Short Pin Series

GP-287D38H-04

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	0.50mm
Rated Stroke	0.40mm
Full Stroke	0.60mm
Spring Force	35gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Hardened Steel	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Stainless Steel	Gold Plated

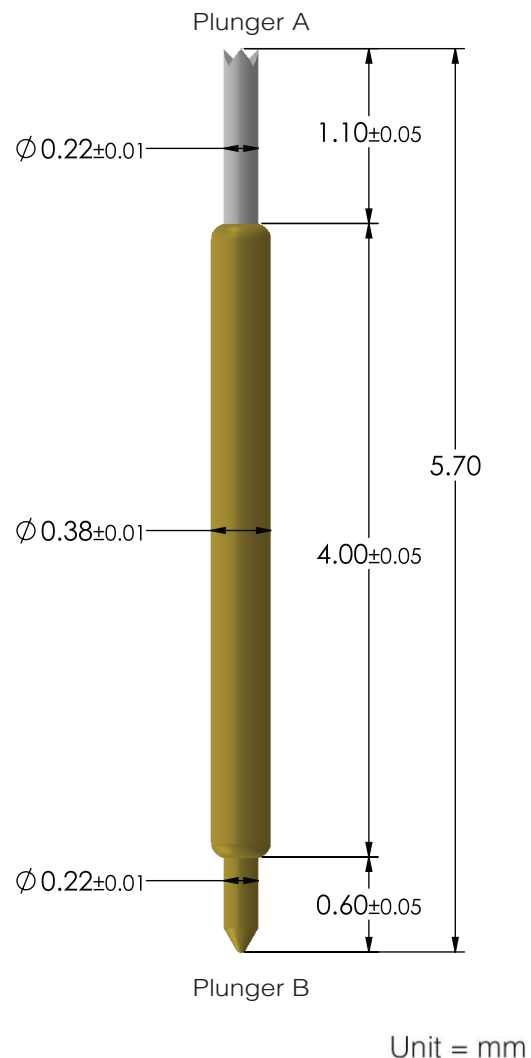
High Performance Series

GP-570C38A-8BG

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.50mm
Rated Stroke	0.65mm
Full Stroke	0.80mm
Spring Force	30gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Black Gold Alloy	No Plating
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Stainless Steel	Gold Plated

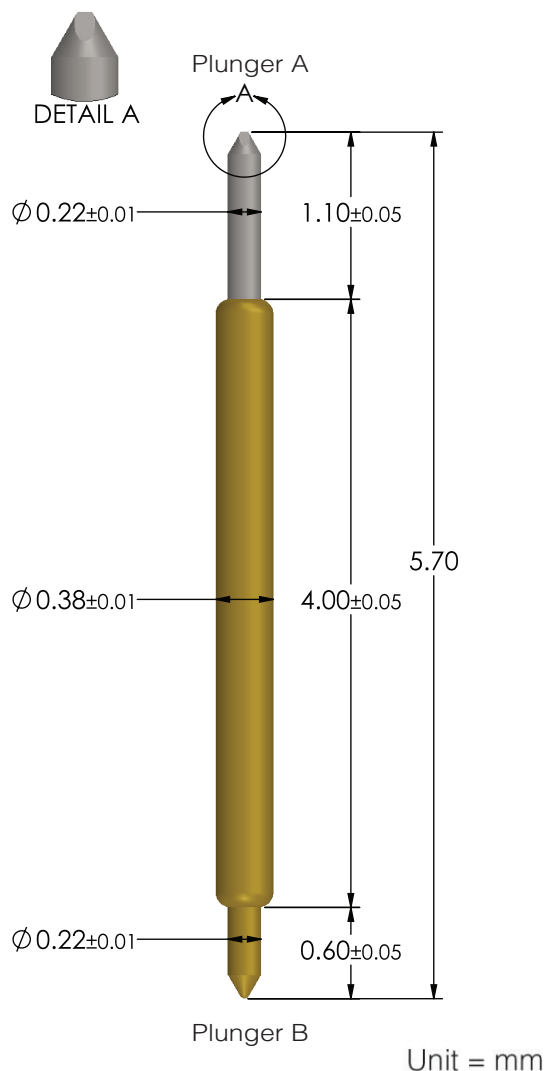
High Performance Series

GP-570K38A-9DB

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.50mm
Rated Stroke	0.65mm
Full Stroke	0.80mm
Spring Force	30gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Black Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Stainless Steel	Gold Plated

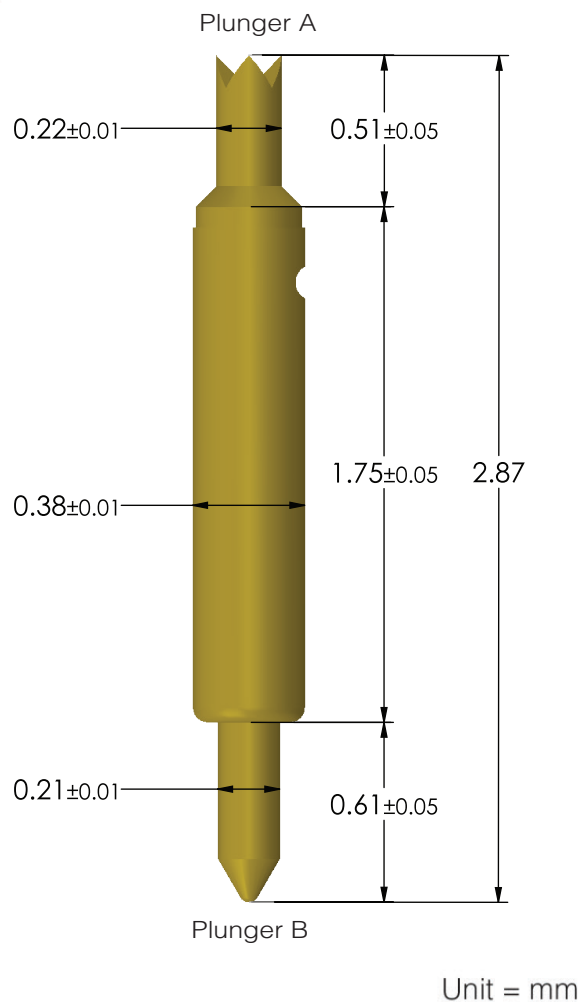
SLATINO (GPS) Series

GPS-287C38A-02

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.50mm
Rated Stroke	0.40mm
Full Stroke	0.50mm
Spring Force	20gf (±20%) at 2/3 Travel
Contact Resistance	< 50mΩ
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Integrated Single Body With Plunger A	Gold Plated
Spring	Stainless Steel	Gold Plated



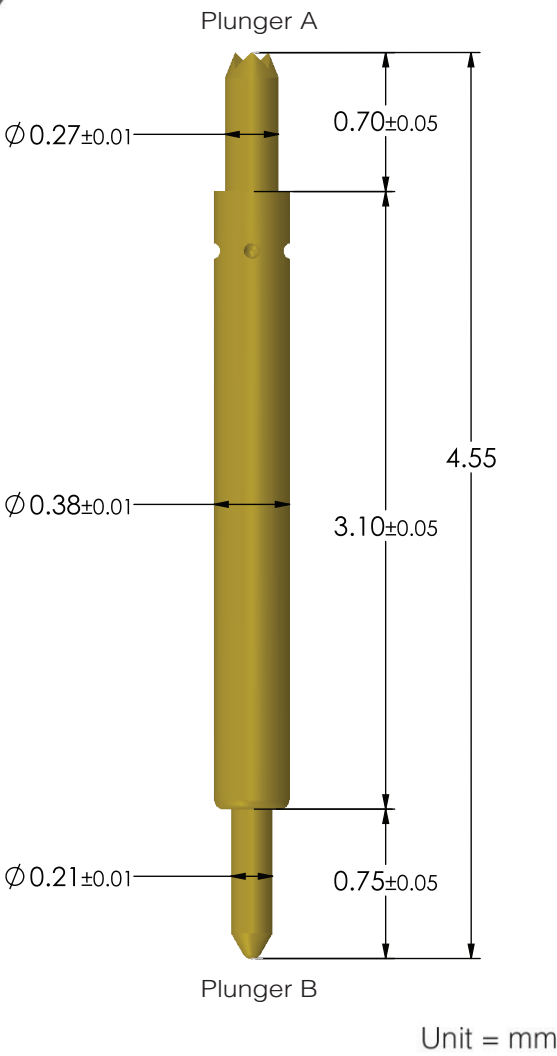
SLATINO (GPS) Series

GPS-455D38A-42BA

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.50mm
Rated Stroke	0.30mm
Full Stroke	0.45mm
Spring Force	30gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Stainless Steel	Gold Plated

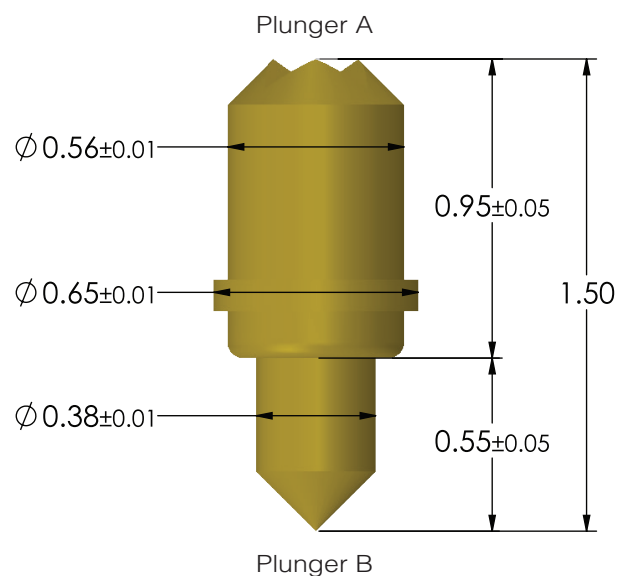
XITANO (GPX) Series

GPX-150D65A-10BA

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	0.80mm
Rated Stroke	0.40mm
Full Stroke	0.50mm
Spring Force	30gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Integrated Single Body With Plunger A	Gold Plated
Spring	Stainless Steel	Gold Plated

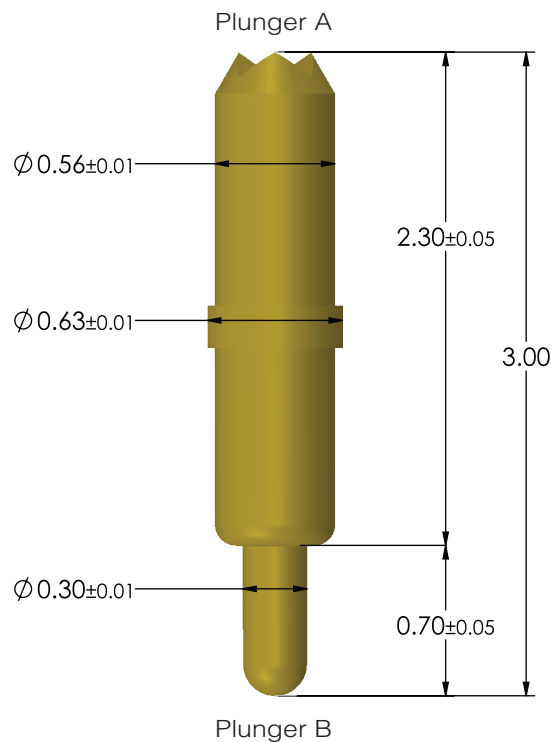
XITANO (GPX) Series

GPX-300D65H-96BA

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	0.80mm
Rated Stroke	0.50mm
Full Stroke	0.70mm
Spring Force	25gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Integrated Single Body With Plunger A	Gold Plated
Spring	Stainless Steel	Gold Plated

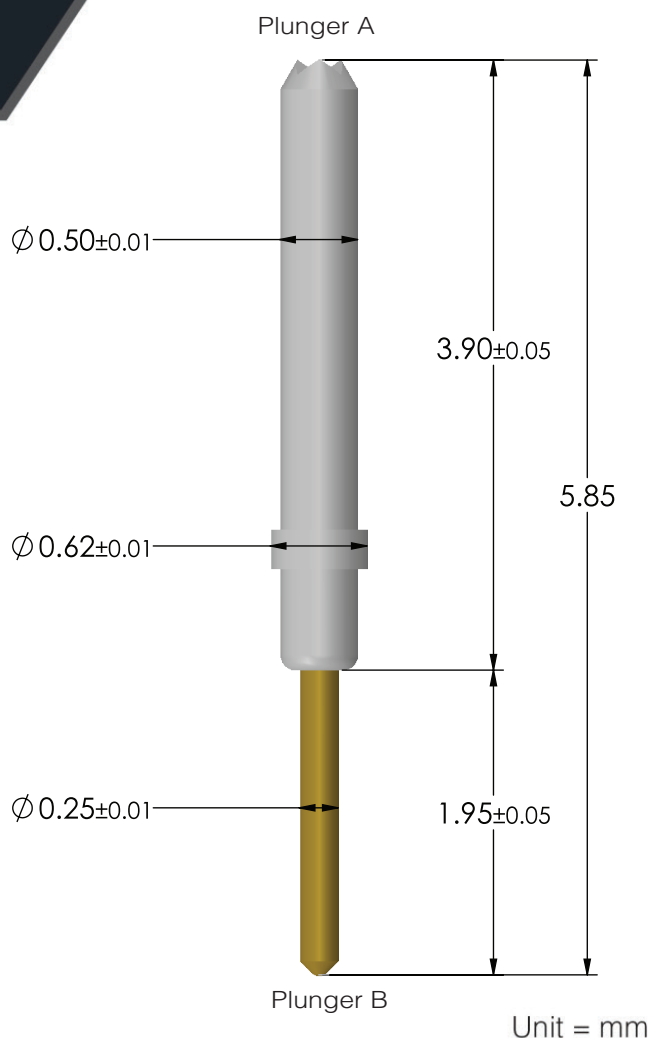
XITANO (GPX) Series

GPX-585D65A-6BG

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.80mm
Rated Stroke	0.75mm
Full Stroke	0.90mm
Spring Force	40gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Black Gold Alloy	No Plating
Plunger B	Beryllium Copper	Gold Plated
Barrel	Integrated Single Body With Plunger A	Gold Plated
Spring	Music Wire	Gold Plated



APPLICATION

Kelvin Pins

GPX-320R31H-04	-----	40
GPX-390M30A-1BA	-----	41

Non-Magnetic Pins

GPX-255D65H-M1BE	-----	42
GPX-585D65A-M1BG	-----	43
GPI-1270H-M1BA	-----	44

GPZ Pins

GPZ-400A13A-2BG	-----	45
GPZ-570C20B-1BG	-----	46
GPZ-1270B20B-02	-----	47

Receptable Pins

HRP-1400-11	-----	48
HRP-2230H1177-03	-----	49
HRP-2500-01	-----	50

Solid Pins

GF-450-01	-----	51
GF-1910R151051R-03	-----	52
GF-5030-H17	-----	53



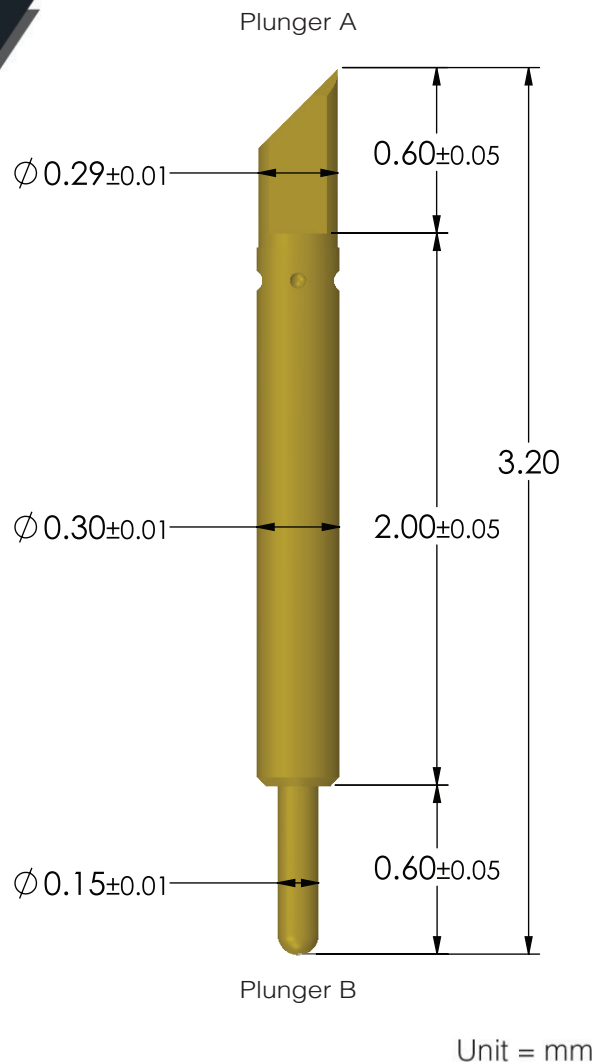
Kelvin Pins

GPK-320R31H-04

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.40mm
Rated Stroke	0.40mm
Full Stroke	0.55mm
Spring Force	25gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	2A, Continuous
Lifespan	> 200,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Hardened Steel	Gold Plated
Plunger B	Hardened Steel	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated

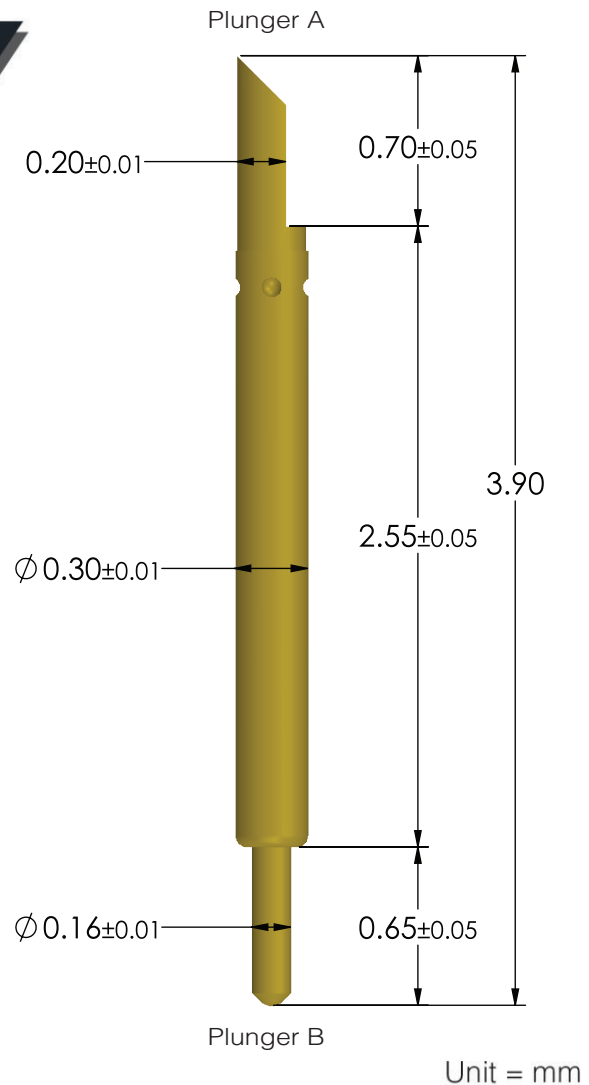


GPK-390M30A-1BA

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.40mm
Rated Stroke	0.45mm
Full Stroke	0.65mm
Spring Force	22gf (\pm 20%) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

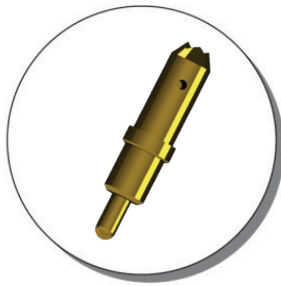
COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Beryllium Copper	Gold Plated
Plunger B	Beryllium Copper	Gold Plated
Barrel	Phosphor Bronze	Gold Plated
Spring	Music Wire	Gold Plated

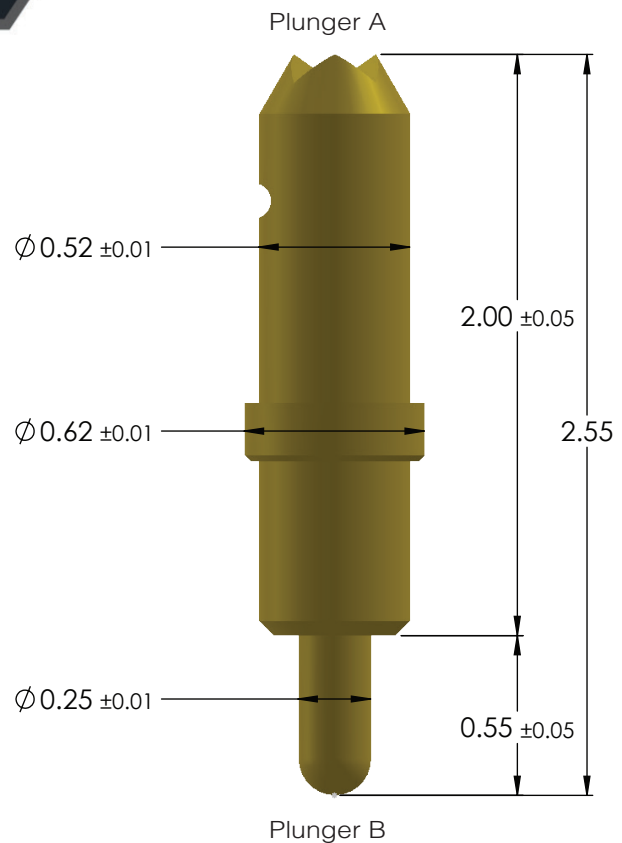
Non-Magnetic Series

GPX-255D65H-M1BE

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	0.80mm
Rated Stroke	0.40mm
Full Stroke	0.55mm
Spring Force	40gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Non Magnetic BG	Gold Plated
Plunger B	Non Magnetic BG	Gold Plated
Barrel	Integrated Single Body With Plunger A	Gold Plated
Spring	HyperAlloy	Gold Plated

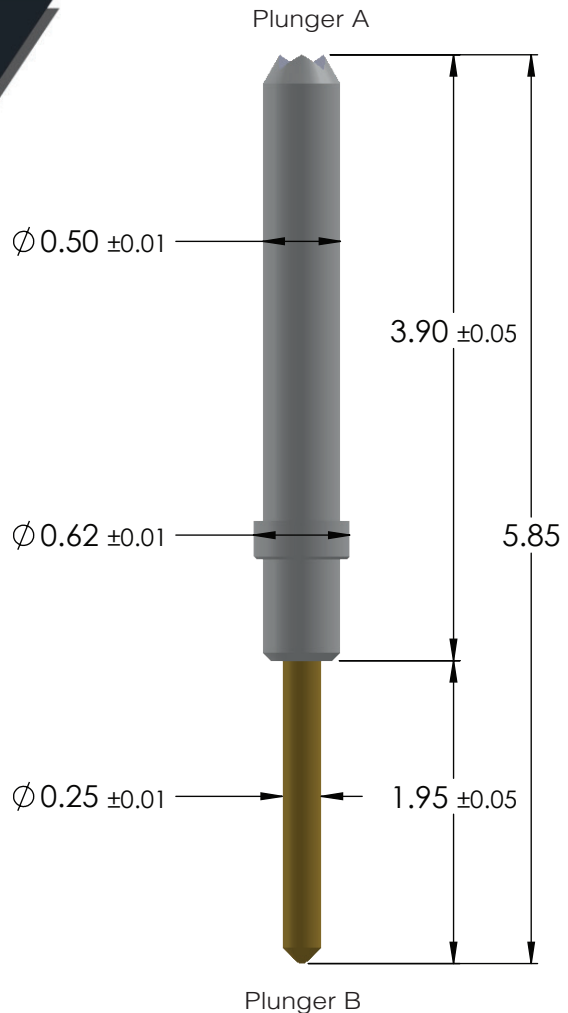
Non-Magnetic Series

GPX-585D65A-M1BG

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	0.80mm
Rated Stroke	0.75mm
Full Stroke	0.90mm
Spring Force	10gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 50m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Non Magnetic BG	No Plating
Plunger B	Non Magnetic BG	Gold Plated
Barrel	Integrated Single Body With Plunger A	Gold Plated
Spring	HyperAlloy	Gold Plated

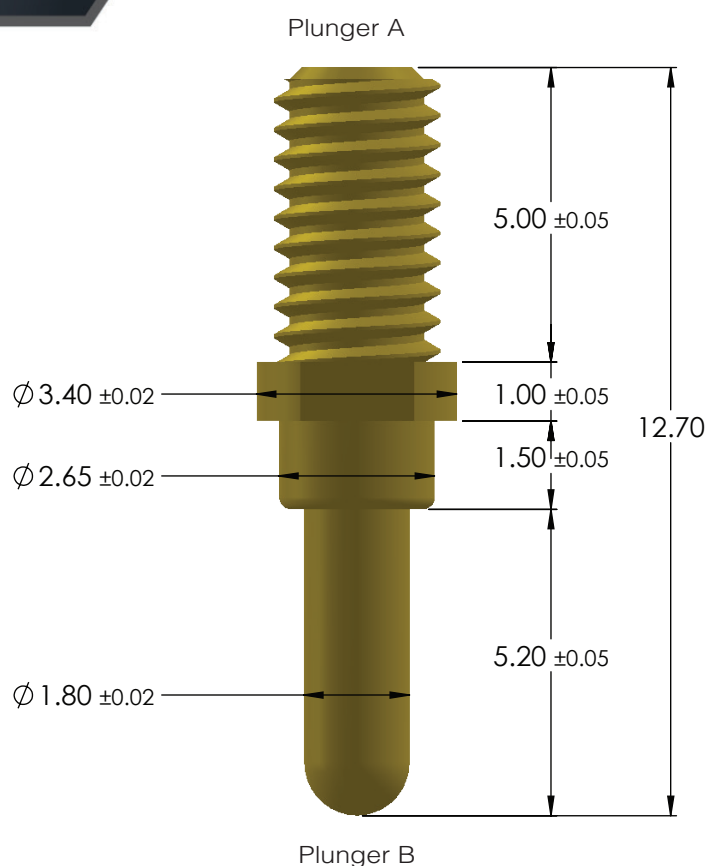
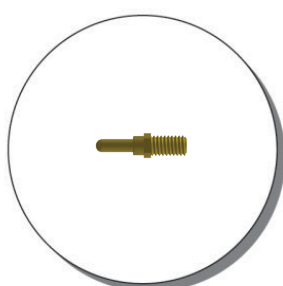
Non-Magnetic Series

GPI-1270H-M1BA

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Pitch	5.00mm
Rated Stroke	1.00mm
Full Stroke	4.00mm
Spring Force	12gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	3A, Continuous
Lifespan	> 500,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Non Magnetic BG	Gold Plated
Plunger B	Non Magnetic BG	Gold Plated
Barrel	-	-
Spring	HyperAlloy	Gold Plated

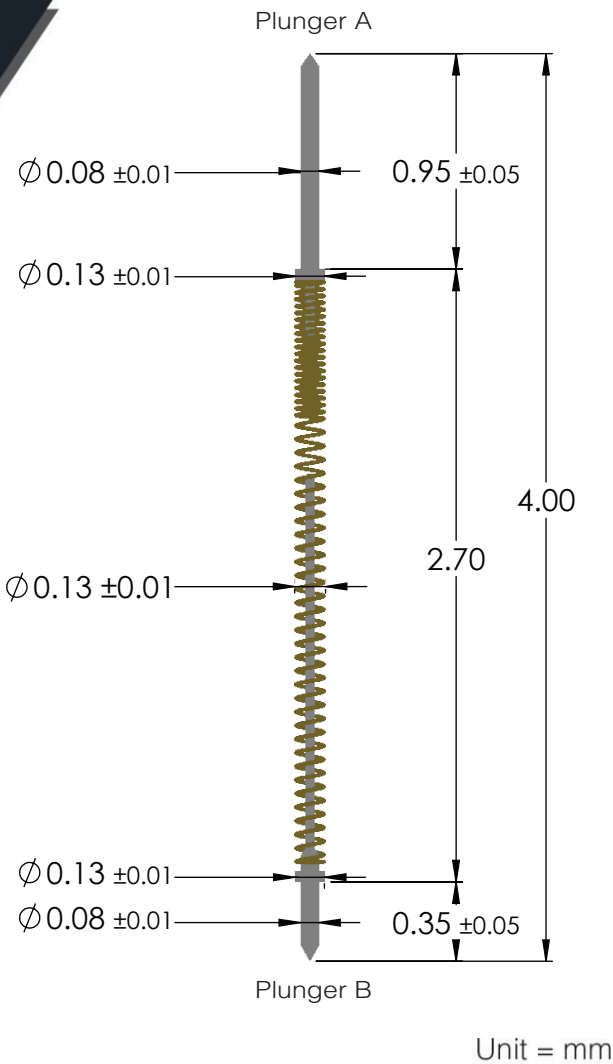


GPZ-400A13A-2BG

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.20mm
Rated Stroke	0.45mm
Full Stroke	0.70mm
Spring Force	10.80gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	1A, Continuous
Lifespan	> 300,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Black Gold Alloy	No Plating
Plunger B	Black Gold Alloy	No Plating
Barrel	-	-
Spring	Music Wire	Gold Plated

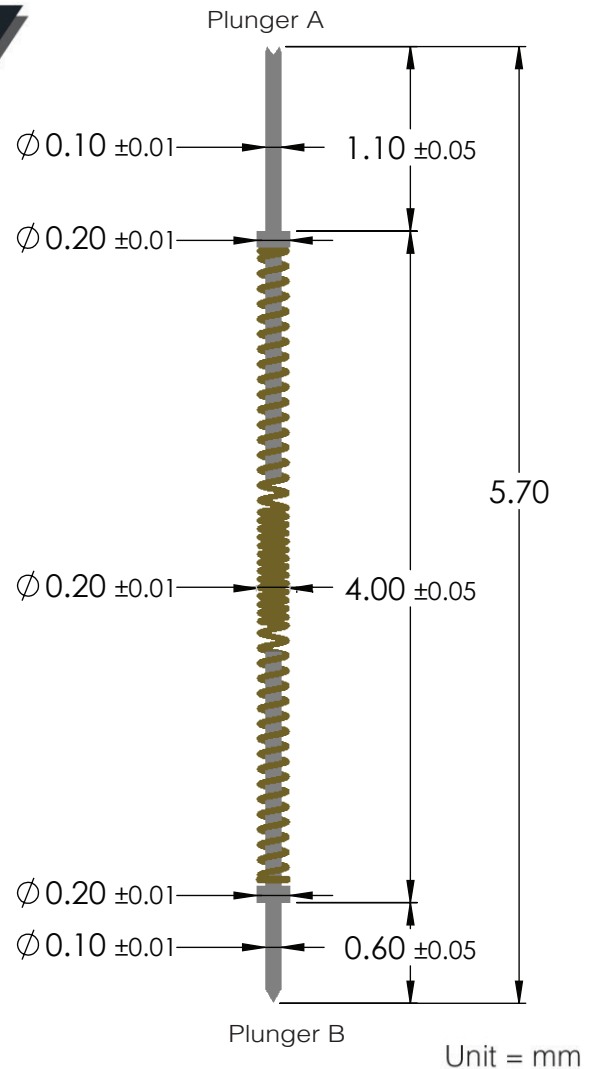


GPZ-570C20B-1BG

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.30mm
Rated Stroke	0.65mm
Full Stroke	1.00mm
Spring Force	10.80gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	1A, Continuous
Lifespan	> 300,000 insertion (Mechanical)

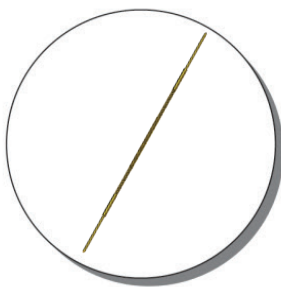
COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Black Gold Alloy	No Plating
Plunger B	Black Gold Alloy	No Plating
Barrel	-	-
Spring	Black Gold Alloy	Gold Plated

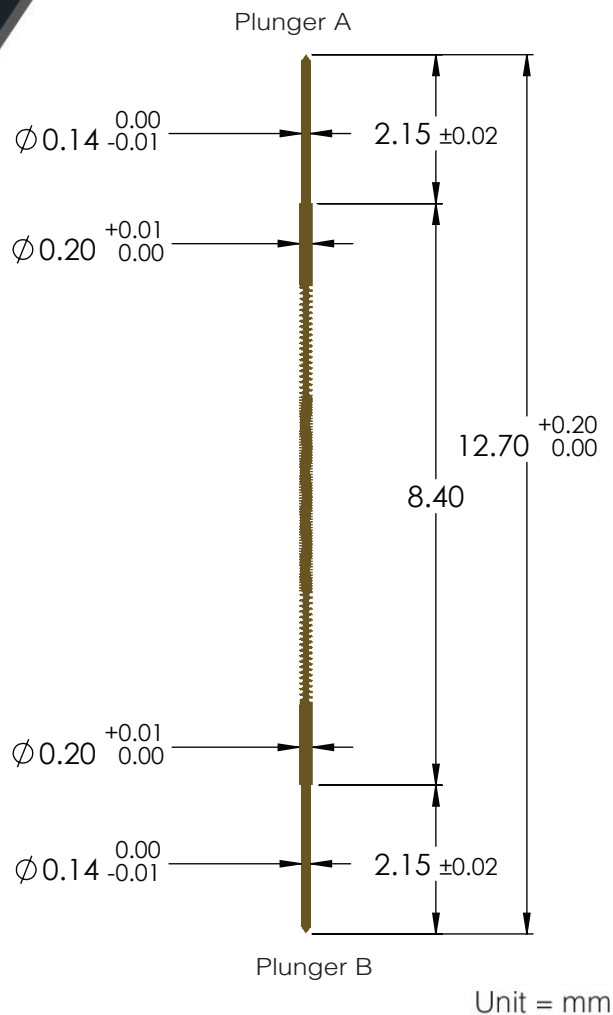


GPZ-1270B20B-02

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Pitch	0.30mm
Rated Stroke	1.20mm
Full Stroke	1.60mm
Spring Force	10gf ($\pm 20\%$) at 2/3 Travel
Contact Resistance	< 100m Ω
Current Rating	1A, Continuous
Lifespan	> 300,000 insertion (Mechanical)

COMPONENT DISTRIBUTION

Group	Material	Finishing
Plunger A	Hardened Steel	Gold Plated
Plunger B	Hardened Steel	Gold Plated
Barrel	-	-
Spring	Music Wire	Gold Plated

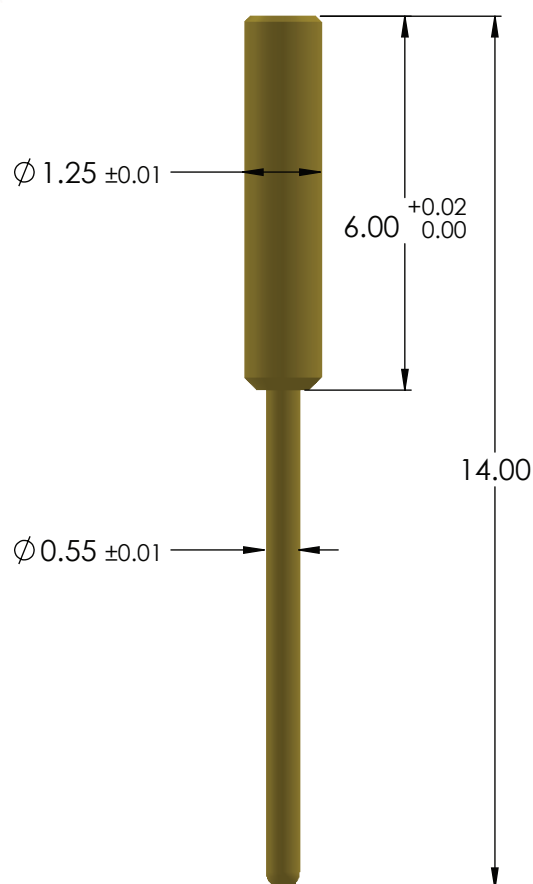
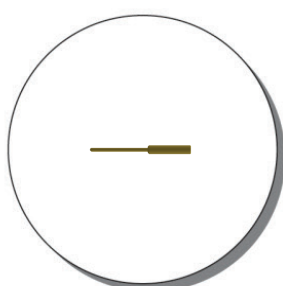
Receptacle Pins

HRP-1400-11

3D VIEW



ACTUAL SIZE



Unit = mm

PRODUCT SPECIFICATION

Insertion Depth	5.20mm
Insertion Force	65gf (based on male pin OD 0.50mm)
Withdrawal Force	22gf

COMPONENT DISTRIBUTION

Group	Material	Finishing
Body	Beryllium Copper	Gold Plated
Spring Leaf	Beryllium Copper	Gold Plated

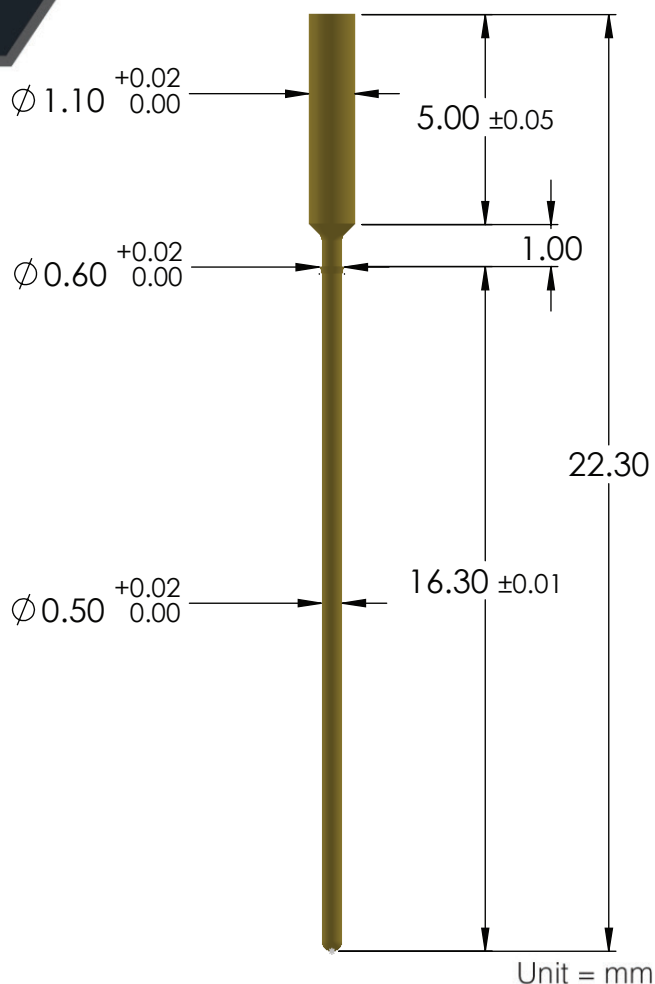
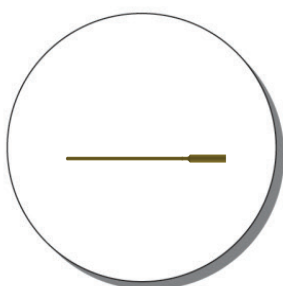
Receptacle Pins

HRP-2230H1177-03

3D VIEW



ACTUAL SIZE



PRODUCT SPECIFICATION

Insertion Depth	4.80mm
Insertion Force	60gf (based on male pin OD 0.35mm)
Withdrawal Force	15gf

COMPONENT DISTRIBUTION

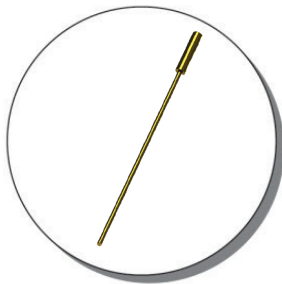
Group	Material	Finishing
Body	Beryllium Copper	Gold Plated
Spring Leaf	Beryllium Copper	Gold Plated



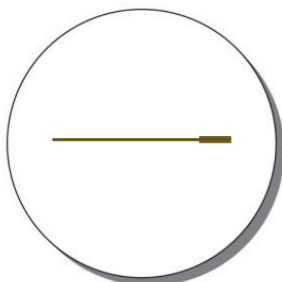
Receptacle Pins

HRP-2500-01

3D VIEW



ACTUAL SIZE



$\phi 1.00^{+0.00}_{-0.01}$

4.50 ± 0.02

25.00

$\phi 0.45^{+0.00}_{-0.01}$

Unit = mm

PRODUCT SPECIFICATION

Insertion Depth	4.20mm
Insertion Force	65gf (based on male pin OD 0.50mm)
Withdrawal Force	22gf

COMPONENT DISTRIBUTION

Group	Material	Finishing
Body	Beryllium Copper	Gold Plated
Spring Leaf	Beryllium Copper	Gold Plated



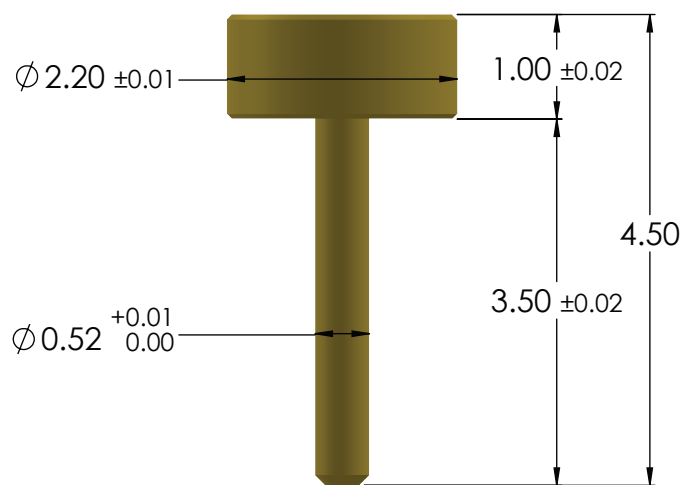
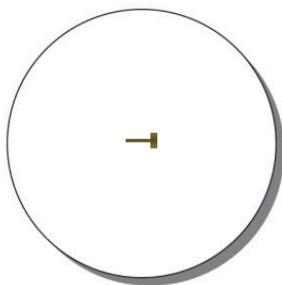
Solid Pins

GF-450-01

3D VIEW



ACTUAL SIZE



Unit = mm

COMPONENT DISTRIBUTION

Group	Material	Finishing
Body	Beryllium Copper	Gold over Nickel



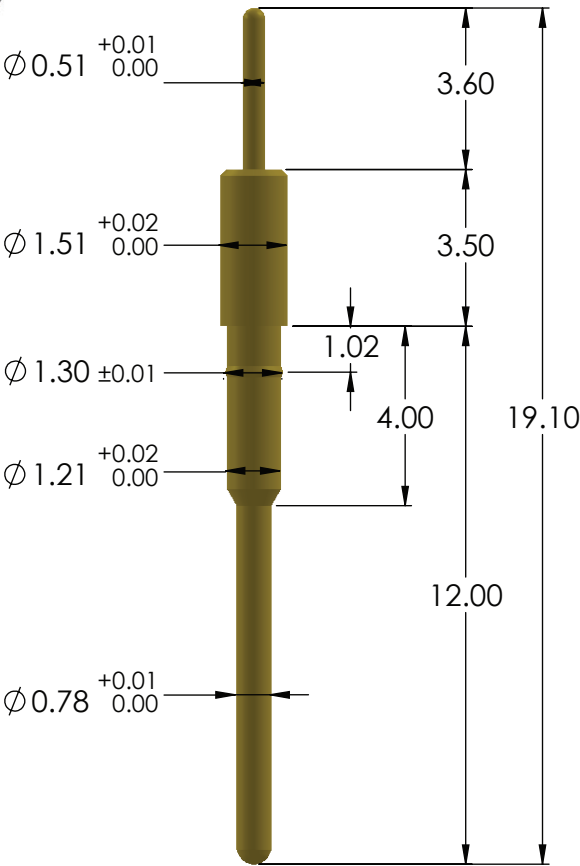
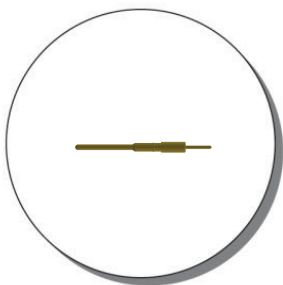
Solid Pins

GF-1910R151051R-03

3D VIEW



ACTUAL SIZE



Unit = mm

COMPONENT DISTRIBUTION

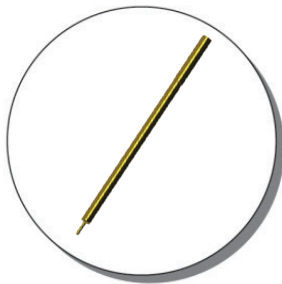
Group	Material	Finishing
Body	Beryllium Copper	Gold over Nickel



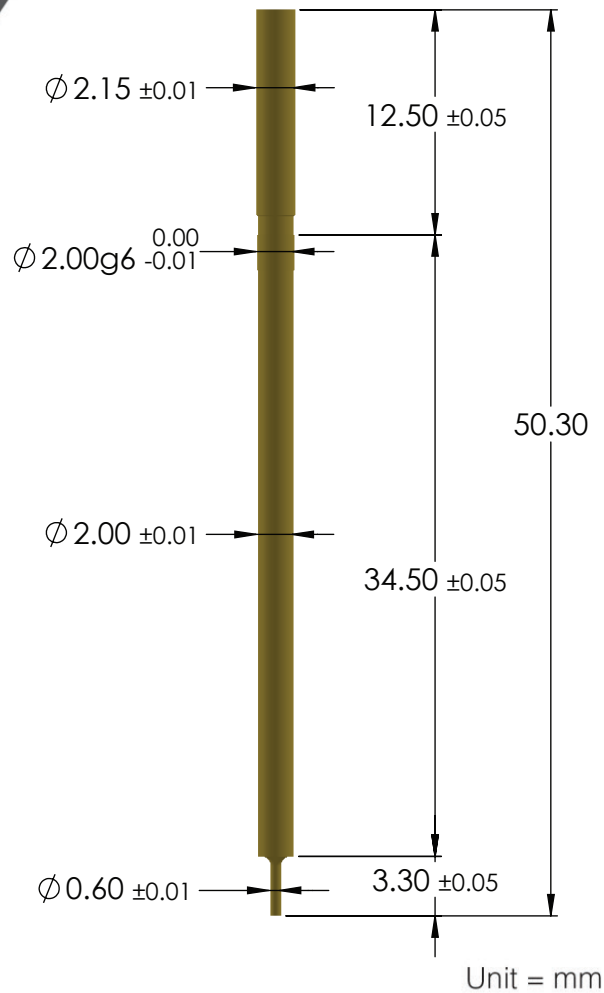
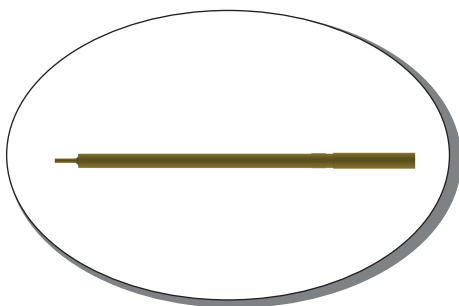
Solid Pins

GF-5030-H17

3D VIEW



ACTUAL SIZE



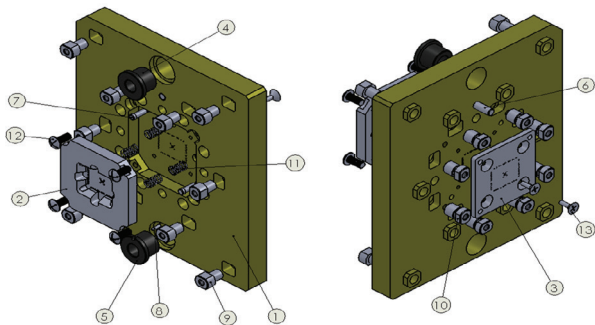
COMPONENT DISTRIBUTION

Group
Body

Material
Brass

Finishing
No Plating

SEMICONDUCTOR TEST SOCKET



Test Socket Pitch

0.20mm ~ 1.27mm

Test Application

BGA, LGA, QFN, QFP, MLF, SOP, TSSOP, PLCC, CCM

Test Socket Material

Vespel, Torlon, Semitron, Ultem, Peek, etc

Standard Test Socket

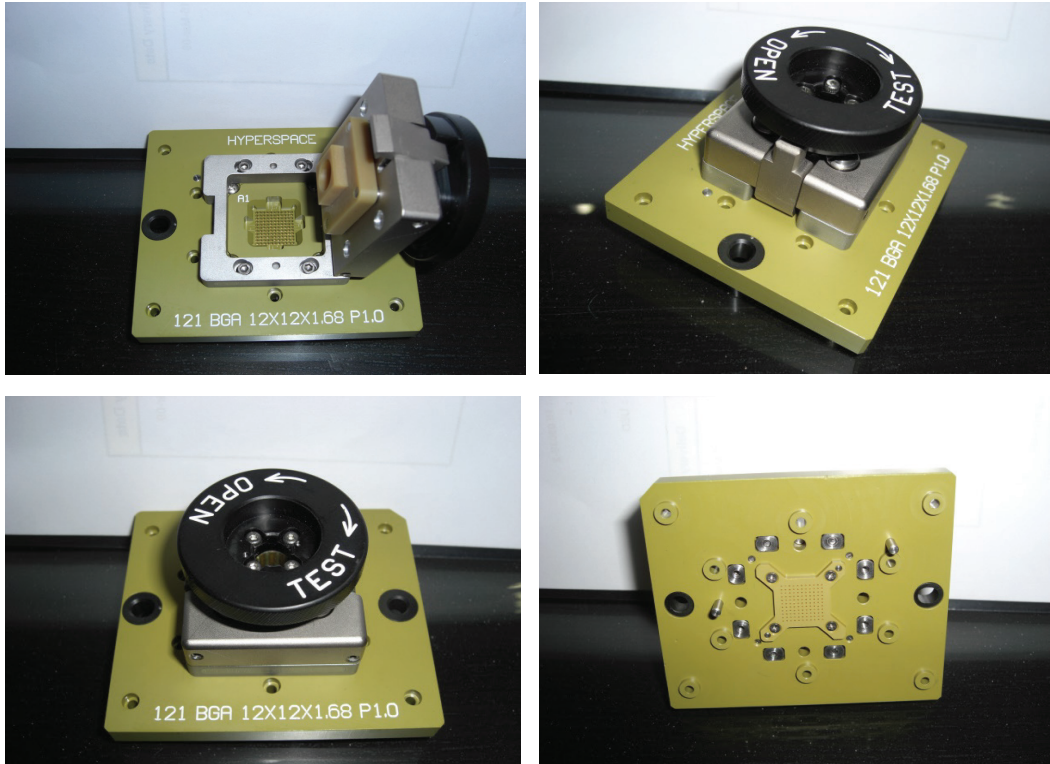
Design and manufacture in accordance with existing load board footprint and test handler configuration

Customization

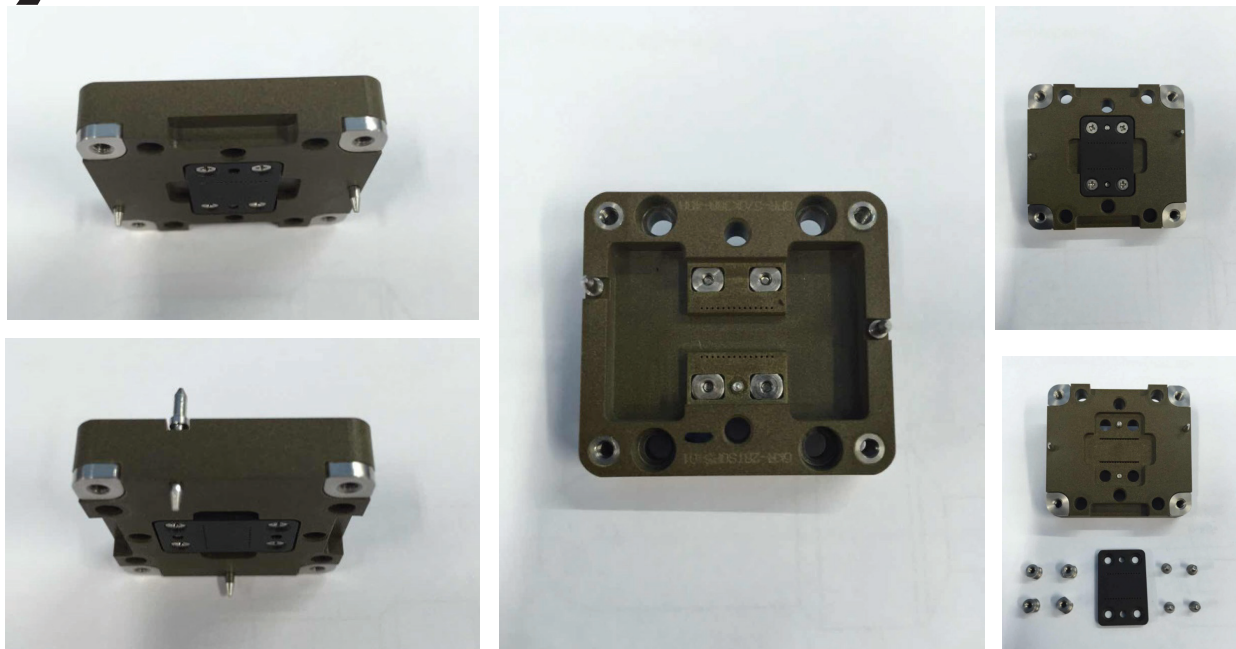
Design and manufacture in accordance with customer's special requirement

SEMICONDUCTOR **TEST SOCKET**

➤ Test Socket - Manual



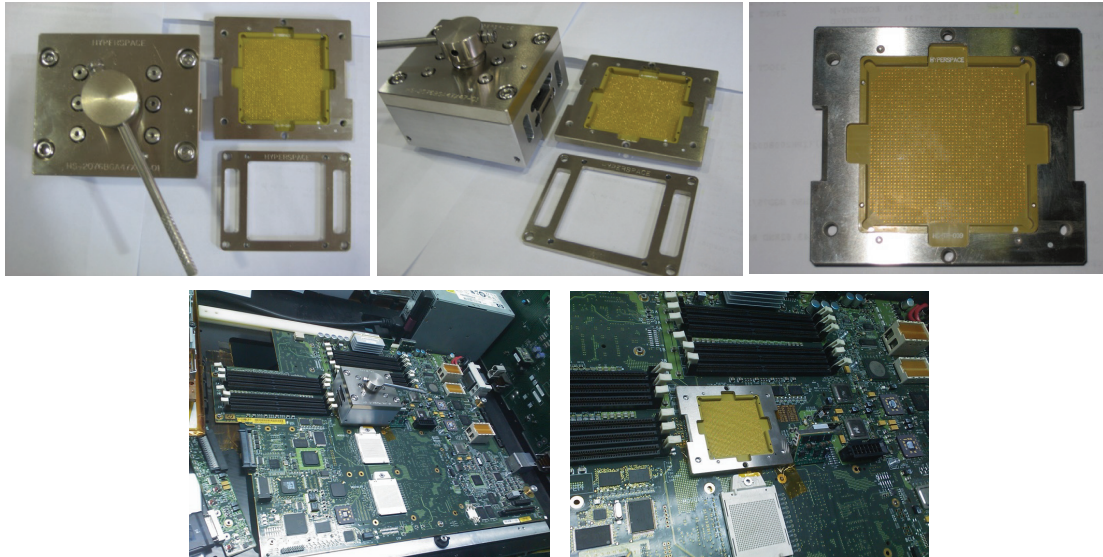
➤ Test Socket - Automation



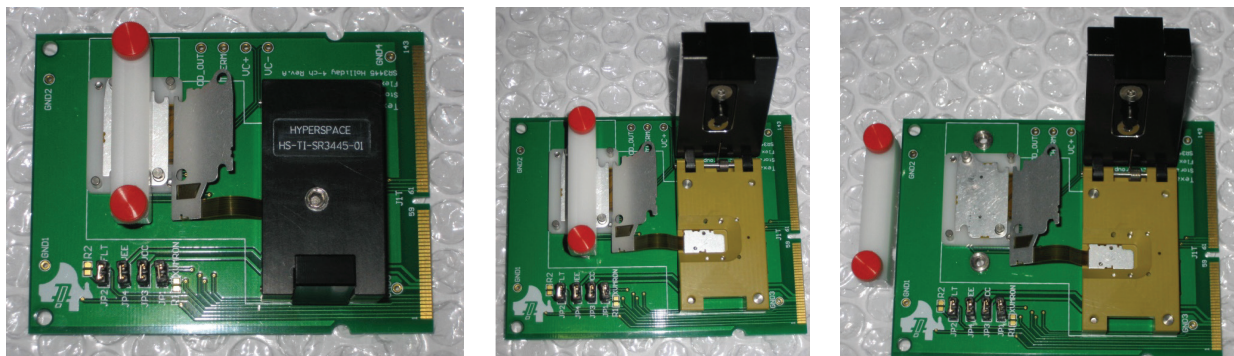


SEMICONDUCTOR TEST SOCKET

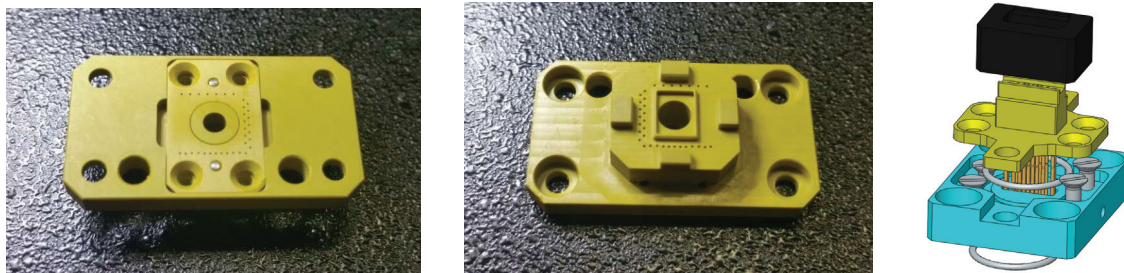
► Test Socket - BGA



► Test Socket - FPC



► Test Socket - CCM

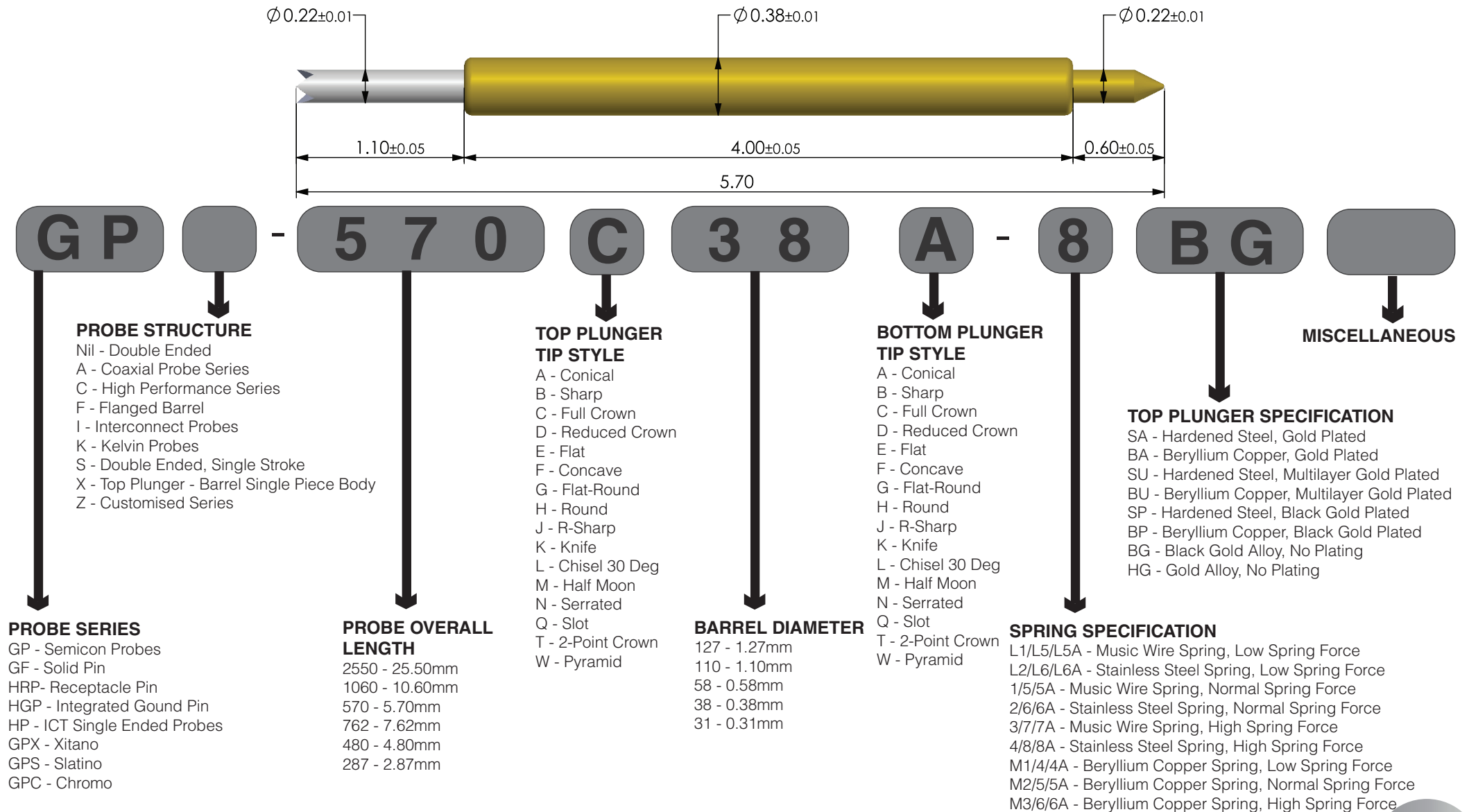


APPENDIX

Part Number Coding	-----	58
Tip Style Selection	-----	59



















HYPERSPACE PART NUMBER CODING





TIP STYLE SELECTION

Letter Coding	Tip Style	Visualization
A	Conical	
B	Sharp	
C	Full Crown	
D	Reduced Crown	
E	Flat	
F	Concave	
G	Flat-Round	
H	Round	
J	R-Sharp	
K	Knife	
L	Chisel 30°	
M	Half Moon	
N	Serrated	
Q	Slot	
T	2-Point Crown	
W	Pyramid	

GALLERY



Hyperspace Building



Hyperspace Team Photo



HYPERSPACE

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