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ICT Test Probes (E-Series)

The range of ICT Test Probes comprises all standard series of products which have established themselves on the market as international standards.

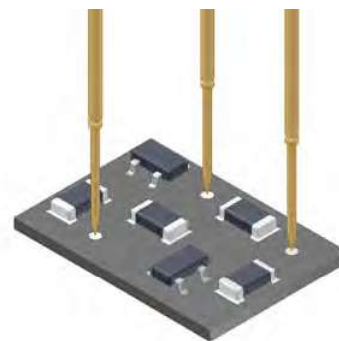
These are test probes for centers from 50 mil to 100 mil with a large selection of different tip styles and contact pressures for almost all test requirements. In addition, test probe units with a longer test probe travel are available for 2-level adaptations. Receptacles with a press ring can be supplied for this series. This press ring can be used as a stop to achieve a constant extension height in the adapter, but it also allows variable heights if the press ring is pressed into a defined setting in the take-up drill hole.

The ICT receptacles are available for various types of connections. In addition to these standards, PTR also offers metric types for the ICT/FT. In this case, the receptacles are normally pressed into the take-up drill hole as far as the stop. Here, too, test probe barrels with different collar heights allow variable extension heights in the adapter.



Component Check in the In-Circuit Test

In-circuit tests are used to recognize faulty installed components as soon as possible. Using defined test points, and on installed PCBs, the electrical data, the correct position and the direction of installation of the individual components are tested. In this way, and in conjunction with a function test, faulty components can be quickly recognized and additional costs avoided on the customer's premises.



Series 1004/E

- International standard for 40 mil applications
- Contacting of assembled PCBs

Mechanical Data

Center	1.00 mm / 40 mil
Full Travel	6.40 mm
Working Travel	4.3 mm
Pre-Loaded Spring Force	0.20 N
Spring Force at Working Travel	0.80 N

Electrical Data

Max. Current Rating	2.0 A
Typical Continuity Resistance	≤ 20 mOhm

Materials

Barrel	Bronze, gold plated
Spring	Steel, gold plated
Plunger	Steel, CuBe, gold plated
Receptacle	Bronze, gold plated
Wire AWG 30 (Blue)	Copper, silver plated, insulated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	0.75 mm
HGW 2372 (Glass filled Material)	0.76 mm

Tip Style · Diameter · Plating

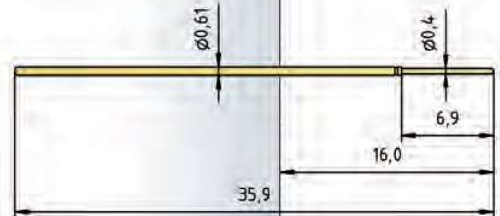


D	G	LG	V	V4
0.40C Au	0.40C Au	0.32 Au	0.40 Au	0.40 Au



VL2
0.40 Au

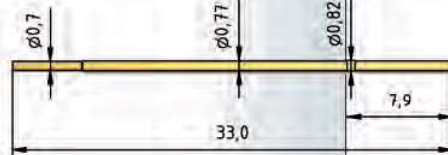
1004/E



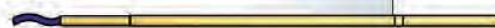
1004/E-VL2



H 1004/E-C



H 1004/E V1000



How to Order

1004/E - G - 0.8 N - Au - 0.4 C

1 2 3 4 5 6

1. Series 2. Tip Style 3. Spring Force 4. Tip Plating 5. Tip Diameter
6. Tip Material (only for CuBe)

Series 1008/E

- Interface pin
- Contacting of assembled PCBs

Mechanical Data

Center	1.27 mm / 50 mil
Full Travel	6.40 mm
Working Travel	4.30 mm
Pre-Loaded Spring Force	0.30/ 0.40/ 0.50/ 0.60 N
Spring Force at Working Travel	1.00/ 1.50/ 2.00/ 2.80 N

Electrical Data

Max. Current Rating	2.0...3.0 A
Typical Continuity Resistance	≤ 20 mOhm
















Materials

Barrel	Bronze, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel, CuBe
Receptacle	Bronze, gold plated
Wire AWG 30 (Blue)	Copper, silver plated, insulated

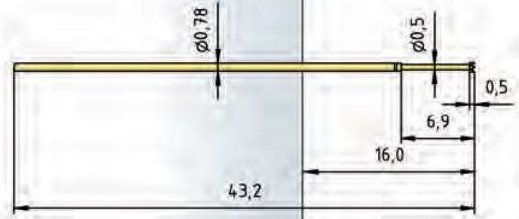
Recommended Diameter of Drill

HP 2361.1 (Trolitax)	0.96...0.98 mm
with pressed-in Ring	1.02 mm
HGW 2372 (Glass filled Material)	0.97...0.99 mm
with pressed-in Ring	1.03 mm

Tip Style · Diameter · Plating

				
A	A	B	BST2	C
0.50C Au	0.90 Au	0.50 Au	0.50 Au	0.90C Au
				
D	F	H	H1	LG
0.50C Au	0.60C Au	0.50 Au 0.90C Au	0.50 Au	0.40 Au
				
Q	V	V1	V4	VL2
0.50 Au	0.50 Au	0.50 Au	0.50 Au	0.50 Au

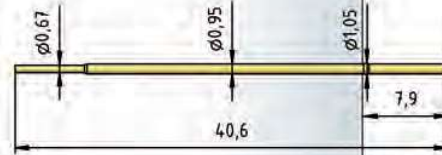
1008/E



1008/E-VL2



H 1008/E-C



H 1008/E-L



H 1008/E-ST



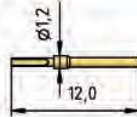
H 1008/E-W



H 1008/E V1000



ST 1008/E



How to Order



1008/E - C - 1.5 N - Au - 0.9 C
 1 2 3 4 5 6

1. Series 2. Tip Style 3. Spring Force 4. Tip Plating 5. Tip Diameter
 6. Tip Material (only for CuBe)

Series 1008/E.50

- Interface pin
- Contacting of assembled PCBs
- Spring travel 10 mm

Tip Style · Diameter · Plating

	
H	Q
0.50 Au	0.50 Au

Mechanical Data

Center	1.27 mm / 50 mil
Full Travel	10.00 mm
Working Travel	8.00 mm
Pre-Loaded Spring Force	0.25/ 0.30 N
Spring Force at Working Travel	1.00/ 1.50 N

Electrical Data

Max. Current Rating	2.0...3.0 A
Typical Continuity Resistance	≤ 20 mOhm

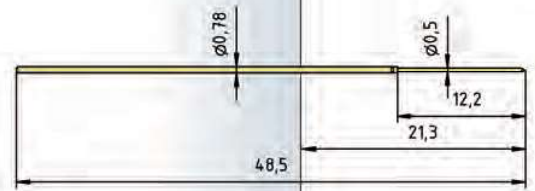
Materials

Barrel	Bronze, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel, gold plated
Receptacle	Bronze, gold plated
Wire AWG 30 (Blue)	Copper, silver plated, insulated

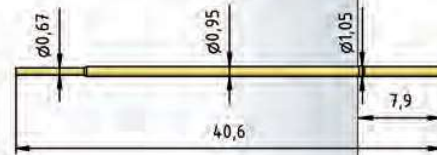
Recommended Diameter of Drill

HP 2361.1 (Trolitax)	0.96...0.98 mm
with pressed-in Ring	1.02 mm
HGW 2372 (Glass filled Material)	0.97...0.99 mm
with pressed-in Ring	1.03 mm

1008/E.50



H 1008/E-C



H 1008/E-L



H 1008/E-ST



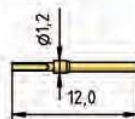
H 1008/E-W



H 1008/E V1000



ST 1008/E



How to Order

1008/E .50 - H - 1.5 N - Au - 0.5

1 2 3 4 5 6

1. Series 2. Variant 3. Tip Style 4. Spring Force 5. Tip Plating 6. Tip Diameter

Series 1012/E

- International standard for 75 mil applications
- Contacting of assembled PCBs
- Large selection of head styles

Mechanical Data

Center	1.91 mm / 75 mil
Full Travel	6.40 mm
Working Travel	4.30 mm
Pre-Loaded Spring Force	0.30/ 0.40/ 0.50/ 0.70 N
Spring Force at Working Travel	1.00/ 1.50/ 2.00/ 2.80 N

Electrical Data

Max. Current Rating	3.0...4.0 A
Typical Continuity Resistance	≤ 20 mOhm

Materials

Barrel	Bronze, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel, CuBe
Receptacle	Bronze, gold plated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.30 mm
with pressed-in Ring	1.36 mm
HGW 2372 (Glass filled Material)	1.32 mm
with pressed-in Ring	1.37 mm








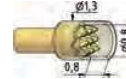


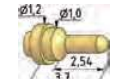


















Receptacles see page 58

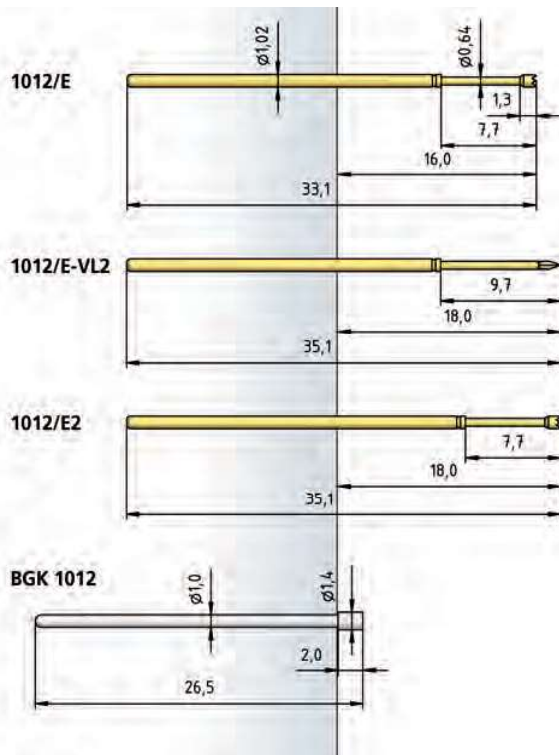
How to Order

1012/E - C - 1.5 N - Au - 1.0 C
 1 2 3 4 5 6

1. Series 2. Tip Style 3. Spring Force 4. Tip Plating 5. Tip Diameter
 6. Tip Material (only for CuBe)

Tip Style · Diameter · Plating

				
A	A6	B	BD	BST1
1.20C Au	1.20 Au	0.64 Au	0.61C Au	0.64 Au
				
BST2	C	CS1	D	D
0.64 Au	1.00 Au 1.20 Au	0.80/1.30C Au/ POM	0.50C Au	0.64C Au
				
D3	F	G	H	H
0.50C Au	0.90C Au	1.15 Au	0.64 Au	1.00 Au 1.20 Au
				
H1	K	M1	M6	N
0.64 Au	1.20 Au	1.20 Au	1.30 Au	0.50 Au
				
Q	Q	Q	Q8	V
0.50 Au	0.64 Au	0.80 Au 1.00 Au 1.15 Au	1.20 Au	0.64 Au
				
V1	V1	V5	VL2	
0.64 Au	0.80 Au	0.64 Au	0.64 Au	



Series 1013/Z

- International standard for 75 mil applications
- Contacting of assembled PCBs
- Spring travel 12.0 mm

Mechanical Data

Center	1.91 mm / 75 mil
Full Travel	12.00 mm
Working Travel	9.60 mm
Pre-Loaded Spring Force	0.40/ 0.35 N
Spring Force at Working Travel	1.20/ 1.60 N

Electrical Data

Max. Current Rating	3.0 A
Typical Continuity Resistance	≤ 30 mOhm






Materials

Barrel	Bronze, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel
Receptacle	Bronze, gold plated

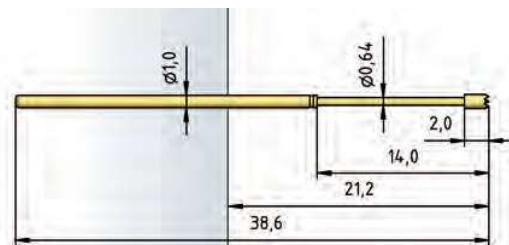
Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.30 mm
with pressed-in Ring	1.36 mm
HGW 2372 (Glass filled Material)	1.32 mm
with pressed-in Ring	1.37 mm

Tip Style · Diameter · Plating

				
C	H	Q	Q	V
1.15 Au	1.15 Au	0.64 Au	1.15 Au	0.64 Au

1013/Z



Receptacles see page 58

How to Order

1013/Z - C - 1.6 N - Au - 1.15
 1 2 3 4 5

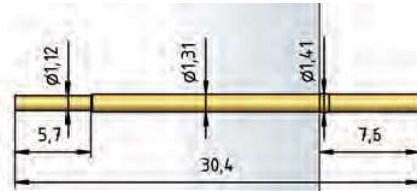
1. Series 2. Tip Style 3. Spring Force 4. Tip Plating 5. Tip Diameter

Receptacles 1012

Recommended diameter of drill

HP 2361.1 (Trolitax)	1.30 mm
With pressed-in ring	1.36 mm
HGW 2372 (Glass filled material)	1.32 mm
With pressed-in ring	1.37 mm

H 1012 C



H 1012 L



H 1012 W



H 1012 WR



H 1012 W18



H 1012 C-K



H 1012 L-K



H 1012 W-K



H 1012/2 C



H 1012/2 L



H 1012/2 W



H 1012/10 C



H 1012/10 L



H 1012/10 W



Series 1025/E

- International standard for 100 mil applications
- Contacting of assembled PCBs
- Large selection of head styles

Mechanical Data

Center	2.54 mm / 100 mil
Full Travel	6.40 mm
Working Travel	4.30 mm
Pre-Loaded Spring Force	0.20/ 0.25/ 0.40/ 0.60/ 0.50/ 0.80/ 1.40 N
Spring Force at Working Travel	0.60/ 1.00/ 1.50/ 2.00/ 2.25/ 3.00/ 4.00 N

Electrical Data

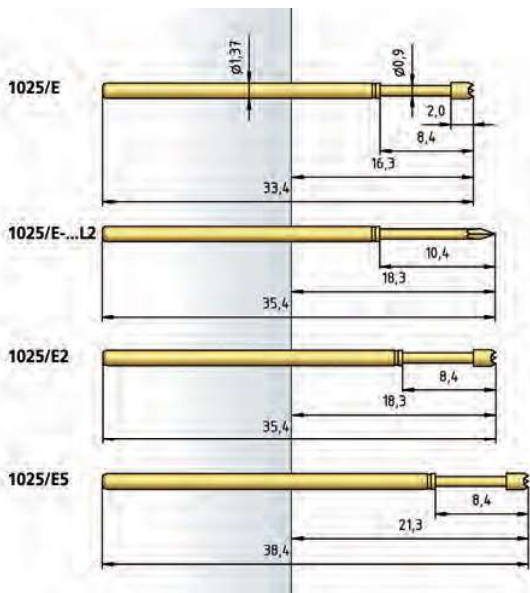
Max. Current Rating	5.0...8.0 A
Typical Continuity Resistance	≤ 20 mOhm

Materials

Barrel	Bronze, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel, CuBe
Receptacle	Bronze, gold plated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.65 mm
with pressed-in Ring	1.75 mm
HGW 2372 (Glass filled Material)	1.67 mm
with pressed-in Ring	1.76 mm



Tip Style · Diameter · Plating

A 1.50C Au 2.00C Au	A6 1.50 Au 1.80C Au	B 0.90 Au	BD 0.90 Au	BST1 0.62 Au/Ni
BST2 0.90 Au	BST3 1.60C Au	C 1.30 Au 1.50C Au 2.00C Au 2.50C Au 3.00C Au	C1 2.30/3.10C Au	CS1 1.80/2.25C Au/ HTK
CS3 1.75/2.40C Au/ HTK	CS8 1.80/2.80C Au/ HTK	D1 0.50 Au 0.64C Au	D 0.90C Au	D 1.30 Au 1.50 Au
E 1.50 Au	F 0.90 Au	F 1.50C Au	G 1.06 Au 1.30 Au 1.50 Au	H 0.90 Au
H 1.50 Au 1.70 Au 2.50 Au	H1 0.90 Au	HL2 0.90C Au	K 1.70 Au	M 1.30 Au
M1 1.30 Au 1.40 Au 1.50 Au	M6 1.30 Au 1.50 Au	N 0.50 Au	Q 0.50 Au 0.80 Au	Q 1.06 Au 1.30 Au 1.50 Au
Q5 1.06 Au	Q8 1.50 Au	QL2 1.50 Au	V 0.90 Au/Ni	V 1.30 Au
V1 0.90 Au	VL2 0.90 Au	V3 0.90 Au	V5 0.90 Au	

Receptacles see page 64

How to Order

1025/E - C - 1.5 N - Au - 1.5 C
 1 2 3 4 5 6

1. Series 2. Tip Style 3. Spring Force 4. Tip Plating 5. Tip Diameter
6. Tip Material (only for CuBe)

Series 1034

- International standard for 100 mil applications
- Contacting of assembled PCBs
- Large selection of head styles
- Spring travel 10 mm

Mechanical Data

Center	2.54 mm / 100 mil
Full Travel	10.00 mm
Working Travel	8.00 mm
Pre-Loaded Spring Force	0.60/ 0.70 N
Spring Force at Working Travel	1.50/ 2.25 N

Electrical Data

Max. Current Rating	3.0 A
Typical Continuity Resistance	≤ 25 mOhm

Materials

Barrel	Bronze, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel
Receptacle	Bronze, gold plated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.65 mm
with pressed-in Ring	1.75 mm
HGW 2372 (Glass filled Material)	1.67 mm
with pressed-in Ring	1.76 mm

Tip Style · Diameter · Plating

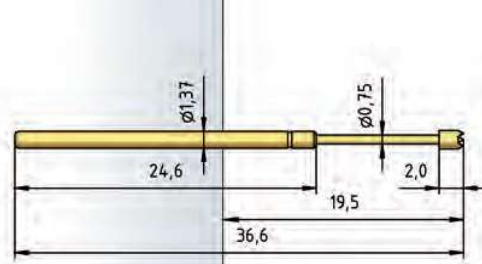


B	BST	C	G	H
0.75 Au/Ni	0.62 Ni	1.50 Au	1.50 Au	1.50 Au



M1	Q	Q	V
1.40 Au	1.00 Au/Rh	1.30 Au 1.50 Au	0.75 Ni

1034



Receptacles see page 64

How to Order

1034 - C - 2.25 N - Au - 1.5

1. Series 2. Tip Style 3. Spring Force 4. Tip Plating 5. Tip Diameter

Series 1034/E

- International standard for 100 mil applications
- Contacting of assembled PCBs
- Large selection of head styles
- Spring travel 10 mm

Mechanical Data

Center	2.54 mm / 100 mil
Full Travel	10.00 mm
Working Travel	8.00 mm
Pre-Loaded Spring Force	0.40/ 0.40/ 0.50 N
Spring Force at Working Travel	1.50/ 2.25/ 3.00 N

Electrical Data

Max. Current Rating	5.0...8.0 A
Typical Continuity Resistance	≤ 30 mOhm

Materials

Barrel	Bronze, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel, CuBe, gold plated
Receptacle	Bronze, gold plated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.65 mm
with pressed-in Ring	1.75 mm
HGW 2372 (Glass filled Material)	1.67 mm
with pressed-in Ring	1.76 mm

Tip Style · Diameter · Plating

A	B	BSTL2	C	G
1.30 Au	0.90 Au	0.50 Au	1.30 Au 1.50 Au	1.30 Au

H	M1	Q	Q	V
1.50 Au 2.50 Au	1.30 Au	0.50 Au	1.30 Au 1.50 Au	0.90 Au

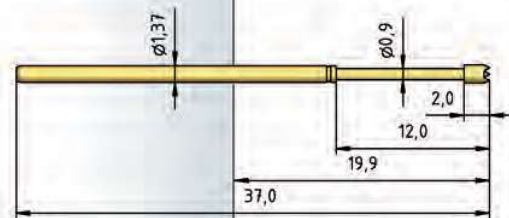


V1

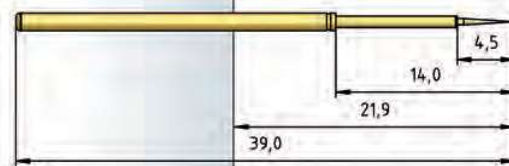
0.90 Au

Receptacles see page 64

1034/E



1034/E-...L2



How to Order

1034/E - C - 1.5 N - Au - 1.5

1 2 3 4 5

1. Series 2. Tip Style 3. Spring Force 4. Tip Plating 5. Tip Diameter

Series 1036

- International standard for 100 mil applications
- Contacting of assembled PCBs
- Large selection of head styles
- Spring travel 12.0 mm

Mechanical Data

Center	2.54 mm / 100 mil
Full Travel	12.00 mm
Working Travel	10.00 mm
Pre-Loaded Spring Force	0.30/ 0.40 N
Spring Force at Working Travel	1.50/ 2.25 N

Electrical Data

Max. Current Rating	3.0 A
Typical Continuity Resistance	≤ 25 mOhm










Materials

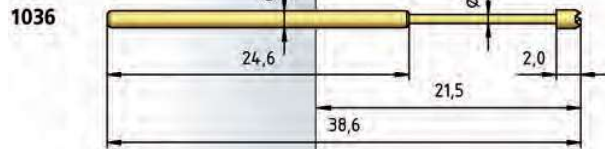
Barrel	Bronze, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel
Receptacle	Bronze, gold plated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.65 mm
with pressed-in Ring	1.75 mm
HGW 2372 (Glass filled Material)	1.67 mm
with pressed-in Ring	1.76 mm

Tip Style · Diameter · Plating

				
B	BST	C	G	H
0.75 Au/Ni	0.62 Ni	1.50 Au	1.50 Au	1.50 Au
				
M1	Q	Q	V	
1.40 Au	1.00 Au/Rh	1.30 Au 1.50 Au	0.75 Ni	



Receptacles see page 64

How to Order

1036 - C - 2.25 N - Au - 1.5

1. Series 2. Tip Style 3. Spring Force 4. Tip Plating 5. Tip Diameter

Series 1036/E

- International standard for 100 mil applications
- Contacting of assembled PCBs
- Large selection of head styles
- Spring travel 12.0 mm

Tip Style · Diameter · Plating

		
B	G	V
0.90 Au	1.50 Au	0.90 Au

Mechanical Data

Center	2.54 mm / 100 mil
Full Travel	11.70 mm
Working Travel	9.30 mm
Pre-Loaded Spring Force	0.30/ 0.40/ 0.50 N
Spring Force at Working Travel	1.50/ 2.00/ 3.00 N

Electrical Data

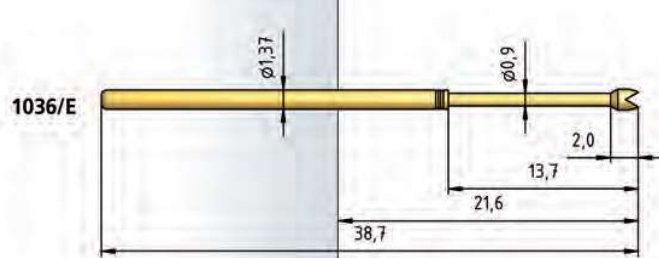
Max. Current Rating	3.0 A
Typical Continuity Resistance	≤ 25 mOhm

Materials

Barrel	Bronze, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel
Receptacle	Bronze, gold plated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.65 mm
with pressed-in Ring	1.75 mm
HGW 2372 (Glass filled Material)	1.67 mm
with pressed-in Ring	1.76 mm



Receptacles see page 64

How to Order

1036/E - B - 2.25 N - Au - 0.9

1. Series 2. Tip Style 3. Spring Force 4. Tip Plating 5. Tip Diameter

Receptacles 1025

Recommended diameter of drill

HP 2361.1 (Trolitax)	1.65 mm
With pressed-in ring	1.75 mm
HGW 2372 (Glass filled material)	1.67 mm
With pressed-in ring	1.76 mm

H 1025 C

H 1025 L

H 1025 W

H 1025 WR

H 1025 W18

H 1025 C-K

H 1025 L-K

H 1025 W-K

H 1025/2 C

H 1025/2 L

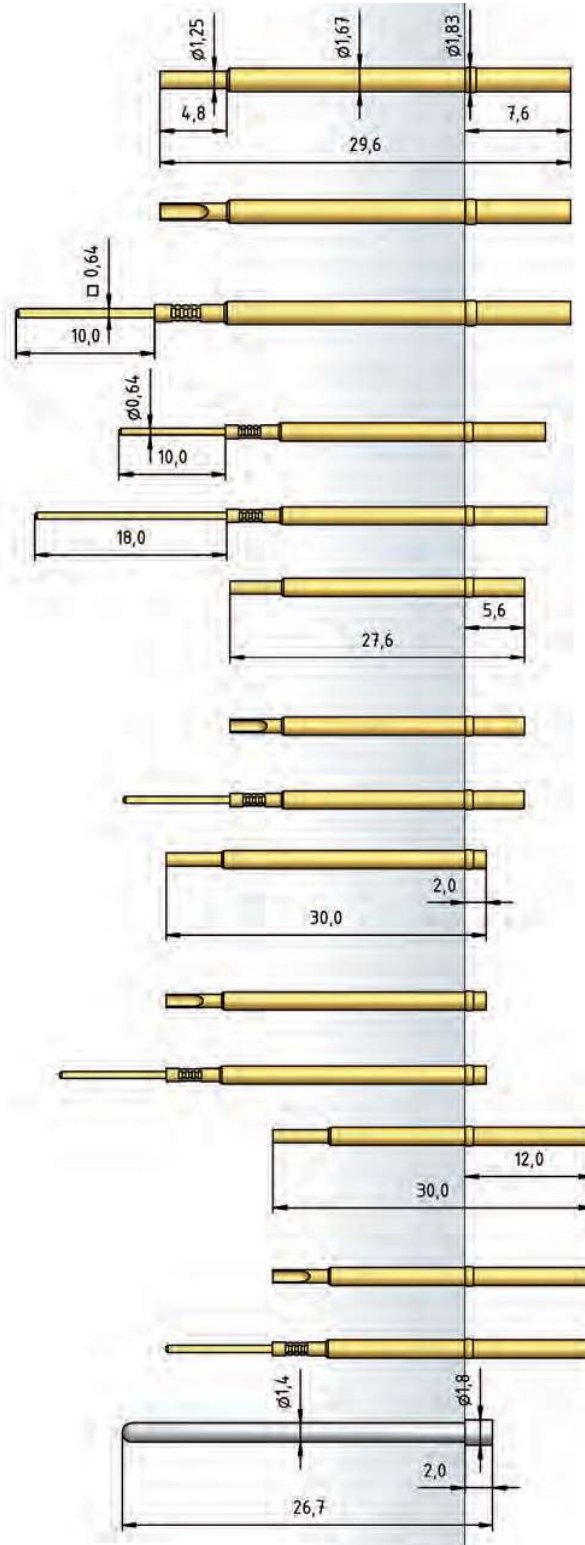
H 1025/2 W

H 1025/12 C

H 1025/12 L

H 1025/12 W

BGK 1025



Series 2021 • 1021

- Metric design
- Contacting of assembled PCBs
- Large selection of head styles
- Variable installation heights from various collar dimensions

Mechanical Data

Center	2.54 mm / 100 mil
Full Travel	5.30 mm
Working Travel	4.00 mm
Pre-Loaded Spring Force	0.30/ 0.40/ 0.50/ 0.70/ 1.00/ 1.00 N
Spring Force at Working Travel	0.70/ 1.00/ 1.50/ 2.25/ 3.00/ 5.00 N (2021/5 - 1.00 N not available)

Electrical Data

Max. Current Rating	5.0...8.0 A
Typical Continuity Resistance	≤ 25 mOhm

Materials

Barrel	Bronze / Brass, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel, Plastic
Receptacle	Bronze, gold plated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.99 mm
HGW 2372 (Glass filled Material)	2.00 mm

Series	Collar Height X / mm	Extension Height Y / mm	Overall Length Z / mm
2021	2.0	10.5	32.3
2021	5.0	13.5	35.3
1021	7.0	15.5	37.3
1021	8.0	16.5	38.3
1021	9.0	17.5	39.3
1021	10.0	18.5	40.3

Receptacles see page 66
Distance rings see page 66

How to Order

2021/ 5 - F - 1.5 N - Au - 2.0
 1 2 3 4 5 6
 1. Series 2. Collar Height 3. Tip Style 4. Spring Force 5. Tip Plating
 6. Tip Diameter

Tip Style · Diameter · Plating



A	B	BST	C	C1S
2.00 Au/Ni/Rh	0.65 Ni 0.80 Au/Ni/Rh 1.00 Au/Ni	0.80 Au 0.80 Ni	1.30 Au/Ni/Rh 1.50 Au 1.80 Au/Ni/Rh 2.00 Au/Ni 2.30 Rh 2.50 Ni 3.00 Rh	1.20/2.00 Au/ HTK



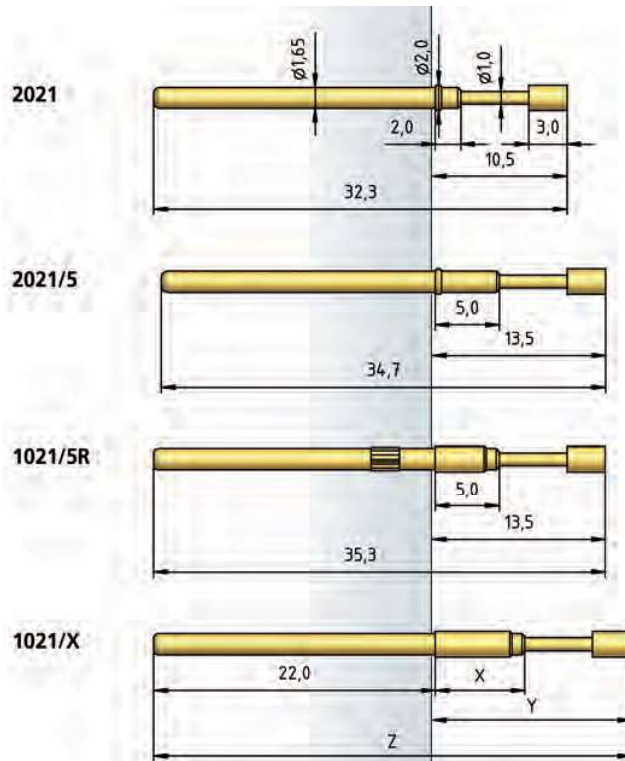
C5S	D	D	D1	F
1.40/2.50 Au/ HTK	0.65 Au/Ni 0.80 Au 1.00 Au	1.30 Au/Ni 1.40 Au 1.80 Ni 2.00 Au	0.65 Au/Ni	0.80 Au 1.00 Au/Ni



F	F1	F4	G	H
1.50 Au 1.80 Au 2.00 Au/Ni	0.65 Ni	0.80 Au	1.30 Ni 1.80 Au/Rh 2.00 Au	1.80 Rh 2.00 Rh



K	M	Q
1.15 Ni 1.75 Ni 2.00 Rh	1.80 Rh	1.00 Ni 1.30 Au/Ni



Series 2024 • 1024

- Metric design
- Contacting of assembled PCBs
- Large selection of head styles
- Variable installation heights from various collar dimensions

Mechanical Data

Center	2.54 mm / 100 mil
Full Travel	10.00 mm
Working Travel	8.00 mm
Pre-Loaded Spring Force	0.40/ 0.50/ 1.00 N
Spring Force at Working Travel	1.50/ 2.50/ 3.00 N

Electrical Data

Max. Current Rating	3.0 A
Typical Continuity Resistance	≤ 30 mOhm

Materials

Barrel	Bronze / Brass, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel
Receptacle	Bronze, gold plated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.99 mm
HGW 2372 (Glass filled Material)	2.00 mm

Serie	Collar Height X / mm	Extension Height Y / mm	Overall Length Z / mm
2024	5.0	18.2	39.5
1024	7.0	20.2	42.0
2024	8.0	21.2	42.5
1024	10.0	23.2	45.0

How to Order

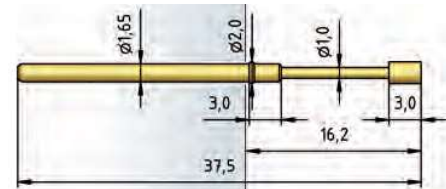
2024/ 5 - G - 1.5 N - Ni - 1.3
 1 2 3 4 5 6

1. Series 2. Collar Height 3. Tip Style 4. Spring Force 5. Tip Plating
 6. Tip Diameter

Tip Style · Diameter · Plating

A	B	BST	C	D
1.80 Au 2.00 Au	1.00 Ni	0.80 Au	1.30 Rh 2.00 Ni	1.00 Ni
D	F	G	G	H
1.30 Ni	2.00 Au	1.00 Ni	1.30 Ni 2.00 Ni	1.30 Rh
K	M	M1	Q	Q8
2.00 Ni	1.50 Au	2.00 Rh	1.30 Ni	1.80 Au
V	V			
1.00 Ni	1.30 Au			

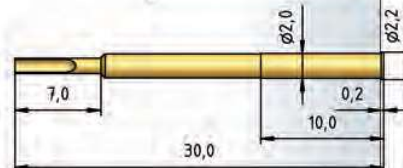
2024



1024/X 2024/X



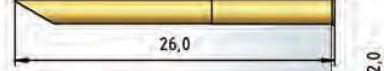
H 2021 L



H 2021 W



H 3020/S-26



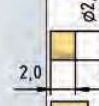
ZRG 1021/2



ZRG 1021/3



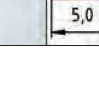
ZRH 1021/2



ZRH 1021/3



ZRH 1021/5



Series 2028 • 1028

- Metric design
- Contacting of assembled PCBs
- Large selection of head styles

Mechanical Data

Center	2.54 mm / 100 mil
Full Travel	5.30 mm
Working Travel	4.00 mm
Pre-Loaded Spring Force	0.30/ 0.40/ 0.50/ 0.75/ 1.00/ 1.00 N
Spring Force at Working Travel	0.70/ 1.00/ 1.50/ 2.25/ 3.00/ 5.00 N (2028/5 - 1.00 N not available)

Electrical Data

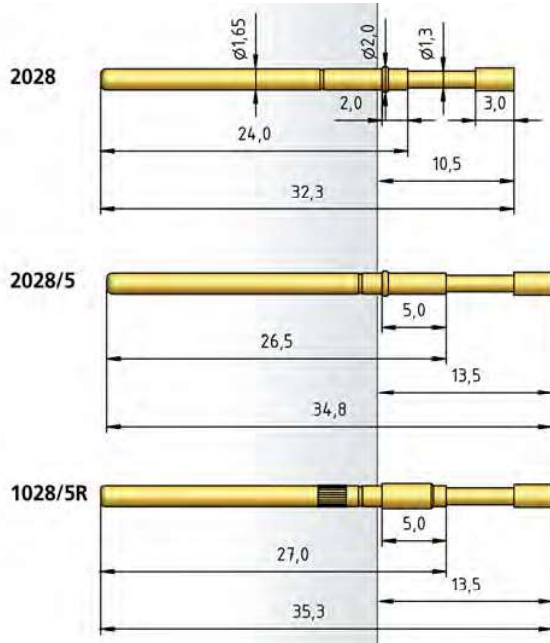
Max. Current Rating	3.0 A
Typical Continuity Resistance	≤ 25 mOhm

Materials

Barrel	Bronze / Brass, gold plated
Spring	Spring Steel, gold plated
Plunger	Steel, Plastic
Receptacle	Bronze, gold plated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.99 mm
HGW 2372 (Glass filled Material)	2.00 mm



How to Order

2028 - A - 1.5 N - Au - 1.5
 1 2 3 4 5

1. Series 2. Tip Style 3. Spring Force 4. Tip Plating 5. Tip Diameter

Tip Style · Diameter · Plating



A	B	BST	C	CSM
1.50 Au 1.80 Ni	1.30 Rh	0.80 Au/Ni	1.40 Au 1.80 Rh 2.50 Rh 3.50 Rh	1.00/2.00 Au/ HTK



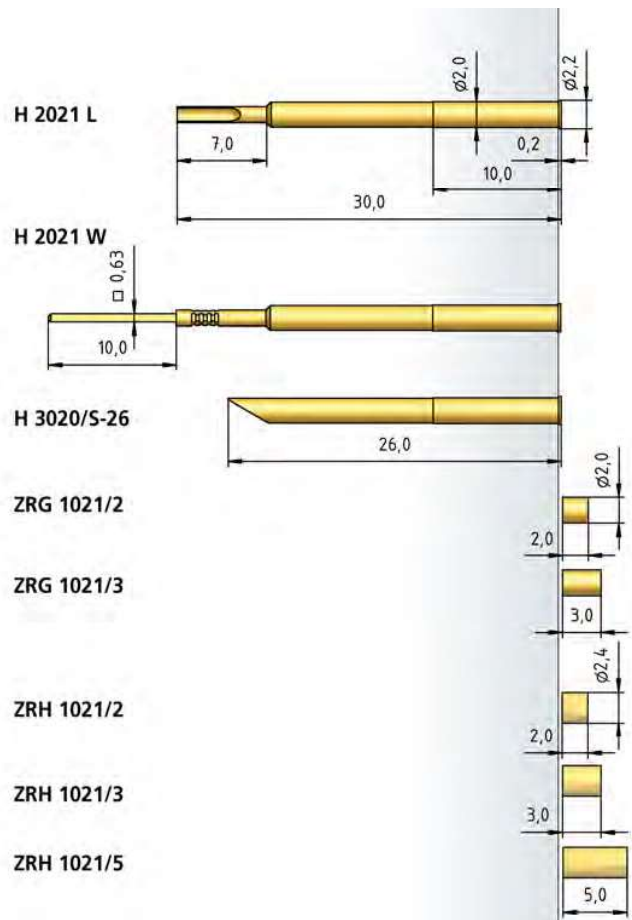
D	D1	EB	F	G
1.40 Au	0.65 Ni 0.80 Ni	1.80 Au	1.30 Ni	1.30 Ni 1.50 Rh



H	H	K	M6	Q
1.30 Au	1.40 Au 1.80 Au	1.30 Au 1.75 Ni	2.00 Rh	1.30 Au



Q	Q5	Q8	V
1.80 Au 2.00 Au	1.30 Ni	2.30 Ni	1.30 Ni



Series 2029

- Metric design
- Contacting of assembled PCBs
- Large selection of head styles

Mechanical Data

Center	2.54 mm / 100 mil
Full Travel	8.00 mm
Working Travel	6.40 mm
Pre-Loaded Spring Force	0.35/ 0.70/ 0.80 N
Spring Force at Working Travel	1.50/ 2.25/ 3.00 N

Electrical Data

Max. Current Rating	3.0 A
Typical Continuity Resistance	≤ 30 mOhm

Materials

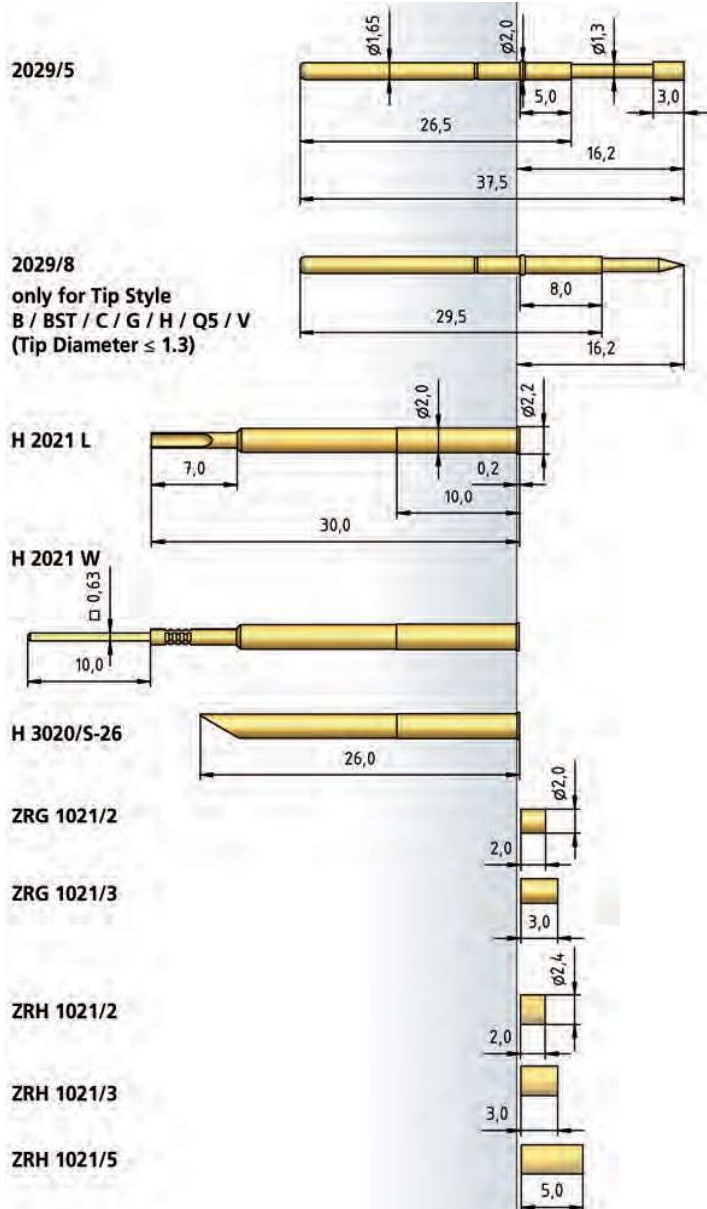
Barrel	Bronze, gold plated
Spring	Spring Steel, silver plated
Plunger	Steel
Receptacle	Bronze, gold plated

Recommended Diameter of Drill

HP 2361.1 (Trolitax)	1.99 mm
HGW 2372 (Glass filled Material)	2.00 mm

Tip Style · Diameter · Plating

A	B	BST	C	C
1.50 Ni	1.30 Rh	0.80 Au	1.30 Ni 1.50 Au/Rh	1.30/1.60 Rh/Ni
D	EB	G	G	H
1.50 Au	1.80 Au	1.30 Au/Ni/Rh 1.50 Ni	1.30/1.60 Ni/Rh	1.30 Au 1.50 Ni 1.80 Au
K	M1	Q	Q5	V
1.80 Au	1.50 Au	1.50 Ni	1.30 Au/Ni	1.30 Ni



How to Order

2029/ 5 - C - 1.5 N - Rh - 1.5
 1 2 3 4 5 6

1. Series
2. Collar Height
3. Tip Style
4. Spring Force
5. Tip Plating
6. Tip Diameter

