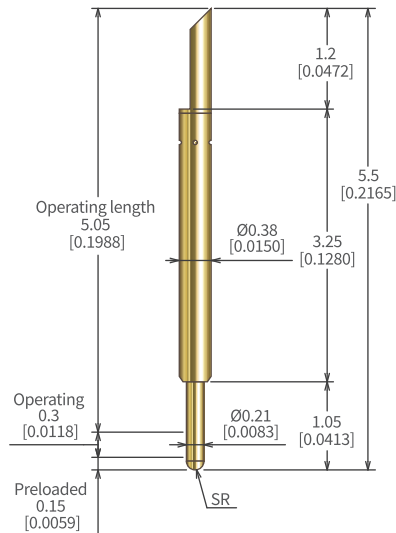


# Kelvin 050

Probe Dia. **0.38 mm** Length **5.50 mm**

## Probe Outline

Unit: mm [inch]



## Specifications

(Referential Value)

### Mechanical Specifications

|                                  |                     |
|----------------------------------|---------------------|
| Spring Force at Operating Travel | 31gf (1.09oz.)      |
| Operating Travel                 | 0.45mm (0.0177inch) |
| Operating Temperature            | -40 to 140°C        |
| Life Span at Operating Travel    | 140K Cycles         |

### Electrical Specifications

|                             |         |
|-----------------------------|---------|
| Current Rating (Continuous) | 1.7A    |
| Self Inductance             | 1.57nH  |
| Bandwidth @ -1dB            | 17.3GHz |
| DC Resistance               | ≤0.05Ω  |

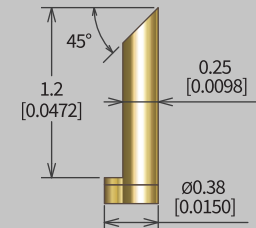
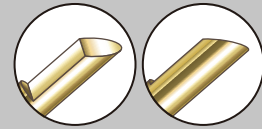
### Material and Finishes

|                |                             |
|----------------|-----------------------------|
| Bottom Plunger | BeCu / Au Plated            |
| Barrel         | Alloy / Au Plated           |
| Spring         | Stainless Steel / Au Plated |

\*Top Plunger : Please refer to the table on the right.

## Top Plunger & Item Number

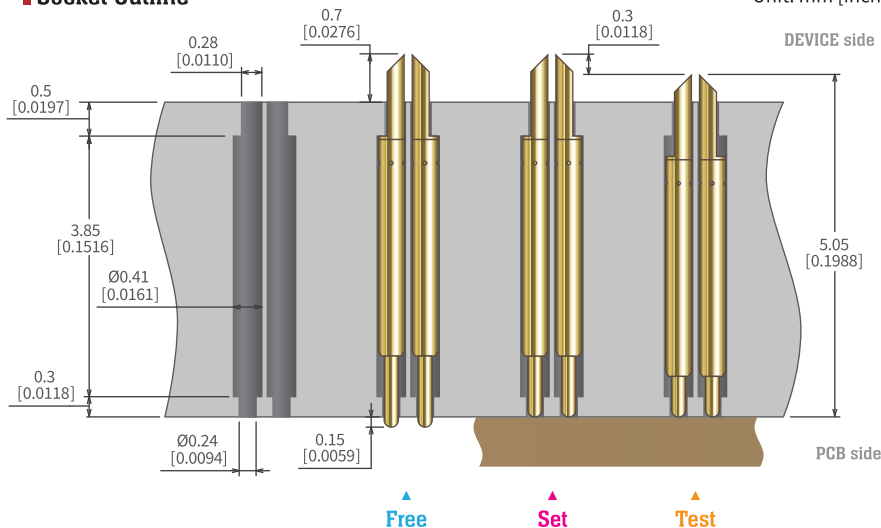
### KHS050-011WI



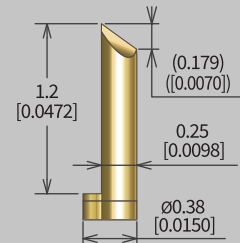
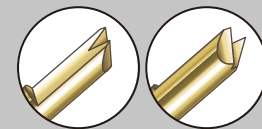
Material : BeCu  
Plating : Au

## Socket Outline

Unit: mm [inch]



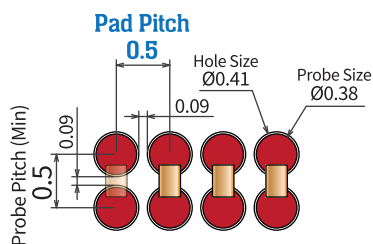
### KHS050-012NW2



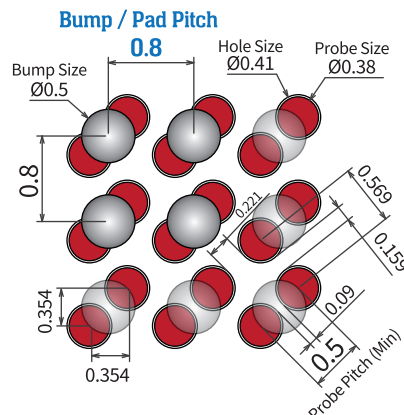
Material : BeCu  
Plating : Au Alloy

## Probe Arrangement

### Peripheral type package



### Grid Array type package



## Applications (Reference)

### Peripheral

- Package Type QFN, DFN etc.
- Pad/Bump Pitch 0.5mm

### Grid Array

- Package Type BGA, LGA etc.
- Pad/Bump Pitch 0.8mm

\*All specifications are subject to change without notice.

Kelvin Contact