

Datasheet

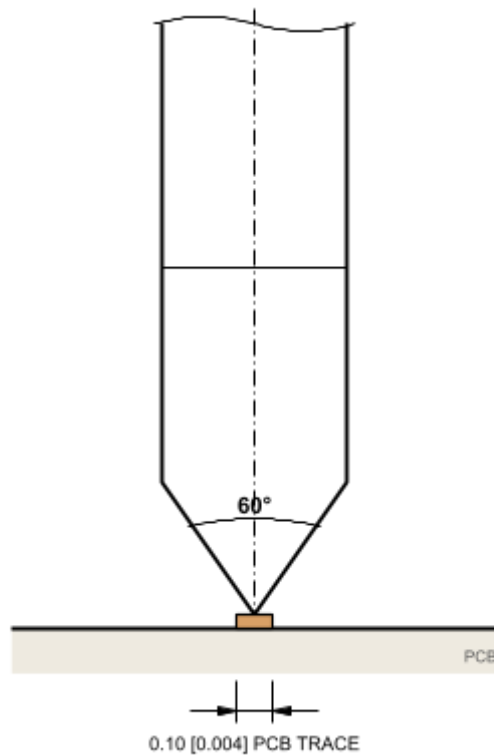
PCBITE-7017 - Probe tip needle

Gold-plated spring-loaded replacement needle for Sensepeek PCBite SQG probes



Tip geometry

The contact point is a sharp 60° cone. The needle can contact PCB traces and pads down to 0.10 mm (0.004 in).



Enlarged view, scale 50:1 at 100 % print size. Dimensions in mm [inch].

Specifications

Article number	PCBITE-7017
Article name	Probe tip needle
Product type	Spring-loaded test probe needle
Compatible probe models	SQG15-AC, SQG15-DC, SQG30-AC, SQG30-DC, SQG60-AC and SQG60-DC
Maximum continuous current	1 A
Full stroke	2.00 mm (0.079 in)
Recommended working stroke	1.60 mm (0.063 in)
Spring force	Approx. 20 g (0.20 N) at 1.60 mm working stroke
Contact resistance	<100 mΩ
Mechanical life	100,000 cycles
Operating temperature	-40 °C to +125 °C
Tip style	60° sharp cone, pointed tip
Dimensions	Total length: 7.00 mm (0.276 in) Plunger length: 2.00 mm (0.079 in) Barrel length: 5.00 mm (0.197 in) Plunger diameter: 0.40 mm (0.016 in) Barrel diameter: 0.68 mm (0.027 in)
Plunger / tip	Beryllium copper, 0.2 µm gold-plated over nickel
Barrel	Phosphor bronze, 0.2 µm gold-plated over nickel
Spring	Stainless steel, gold-plated over nickel
Included	5x probe tip needle
RoHS and REACH compliant	Yes