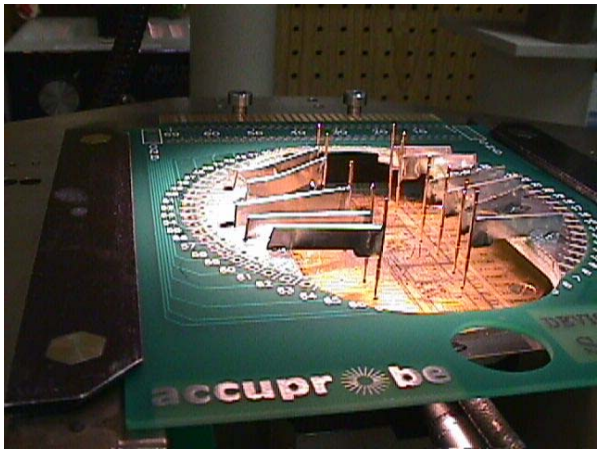
Blade Spring Probes

BLADE SPRING PROBES

Blade spring probes incorporate the best features of vertical and cantilever probes in one package and provide an excellent solution to probing hard to reach areas and pads that may vary in height due to substrate processing variations. These probes are ideal for thick film hybrid circuit test applications including laser trim. The metal blades can be bent to avoid resistors. The spring probes with probe heads can easily be replaced without soldering or removal of the probe blade from the probe card.

Accuprobe's BSP range are complete probe assemblies consisting of a blade body with receptacle and a spring probe inserted into the receptacle. The blade spring probes are available in 317, 342, 369, 472, and 1080 working depths.

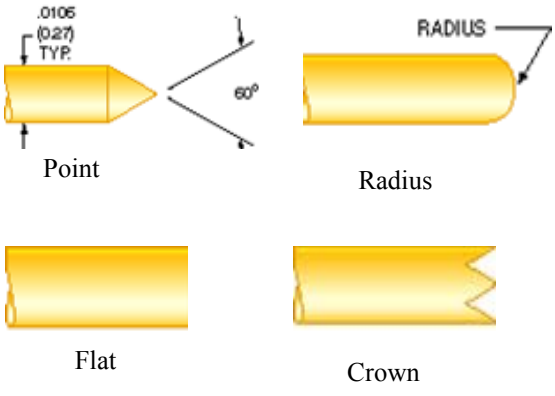
The compressed working depth (in mils) is indicated by the 3 or 4 digits in the model number. The letter suffix indicates the probe head style. For example, BSP317-B would indicate a 317 mil working depth probe with a sharp tip.



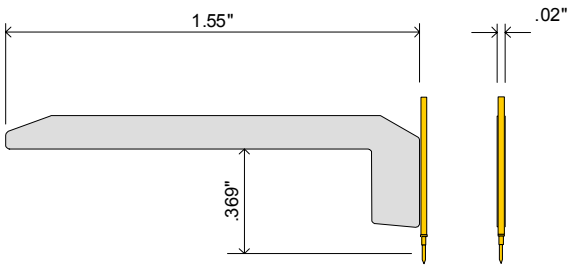
BSP Probe Card

FINER PITCH PROBING

While standard blade spring probes are adept at probing pad pitches down to 50 mils, a slimmed down version called BSPT, can probe pad pitches of 30 mils. Employing the same combination of metal blade cantilever and pogo pin spring technologies, the BSPT probe is especially useful in probing uneven surfaces and pads as a result of processing or design considerations. The BSPT series spring probes are available with point, flat, radius and crown tips, all of which can be replaced as a result of wear or damage. The nominal working depth of the BSPT blade spring probe is 369 mils, while shorter working depths are also possible.



BSPT Head Styles



BSPT Thin Probes

Probing the World
of Microelectronics

Blade Spring Probes

ORDERING INFORMATION

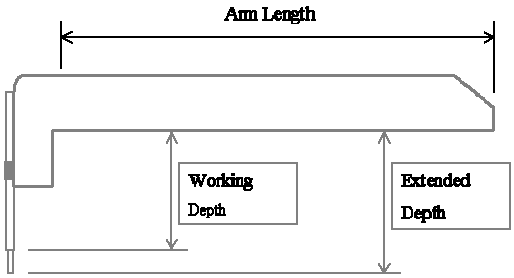
Standard BSP Styles

BSP317-x	317 mil working depth
BSP342-x	342 mil working depth
BSP369-x	369 mil working depth
BSP472-x	472 mil working depth
BSP1080-x	1080 mil working depth
BSP-x	BSP replacement tip

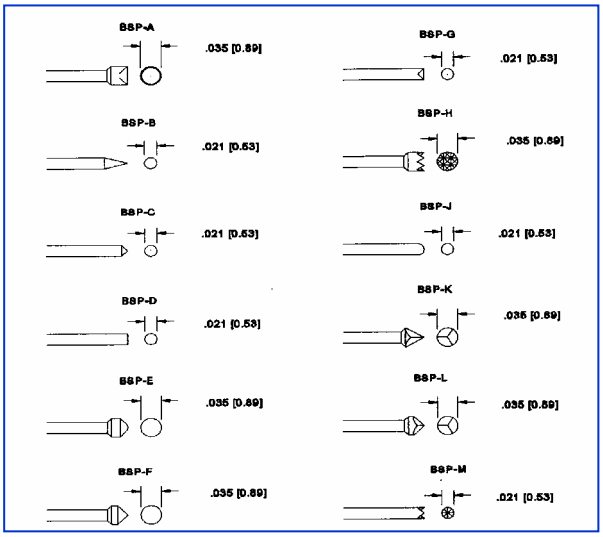
Thin BSPT Styles

BSPT-369-x	Blade Spring Probe Thin
-x	B = Point
	C = Flat
	J = Radius
	L = Crown

BSPT-B – Point Replacement Tip
BSPT-C– Flat Replacement Tip
BSPT-J– Radius Replacement Tip



Standard BSP Geometry



Standard Probe Head Styles

Accuprobe, Inc.
35 Congress Street.
Salem, MA 01970 USA
+1-978-745-7878
+1-978-745-7922 Fax
info@accuprobe.com

www.accuprobe.com