

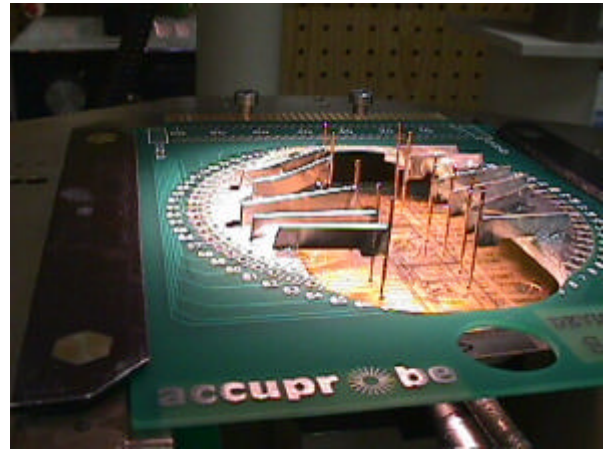
# Blade Spring Probes

## 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.

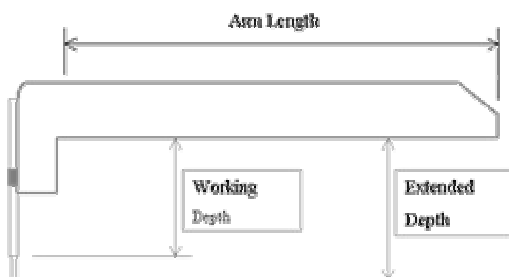


## TECHNICAL SUMMARY

Recommended Minimum Centers -  
 .050" (1,27mm)  
 Current Rating - 3 amps continuous  
 Spring Force - 2.2, 2.5 or 3.8 oz.  
 @ .070" (1,78mm) travel  
 Contact Resistance - Less than 35 milliohms  
 Recommended Working Travel -  
 .070" (1,78mm)  
 Maximum Travel - .100" (2,54mm)

## PROBE MATERIALS

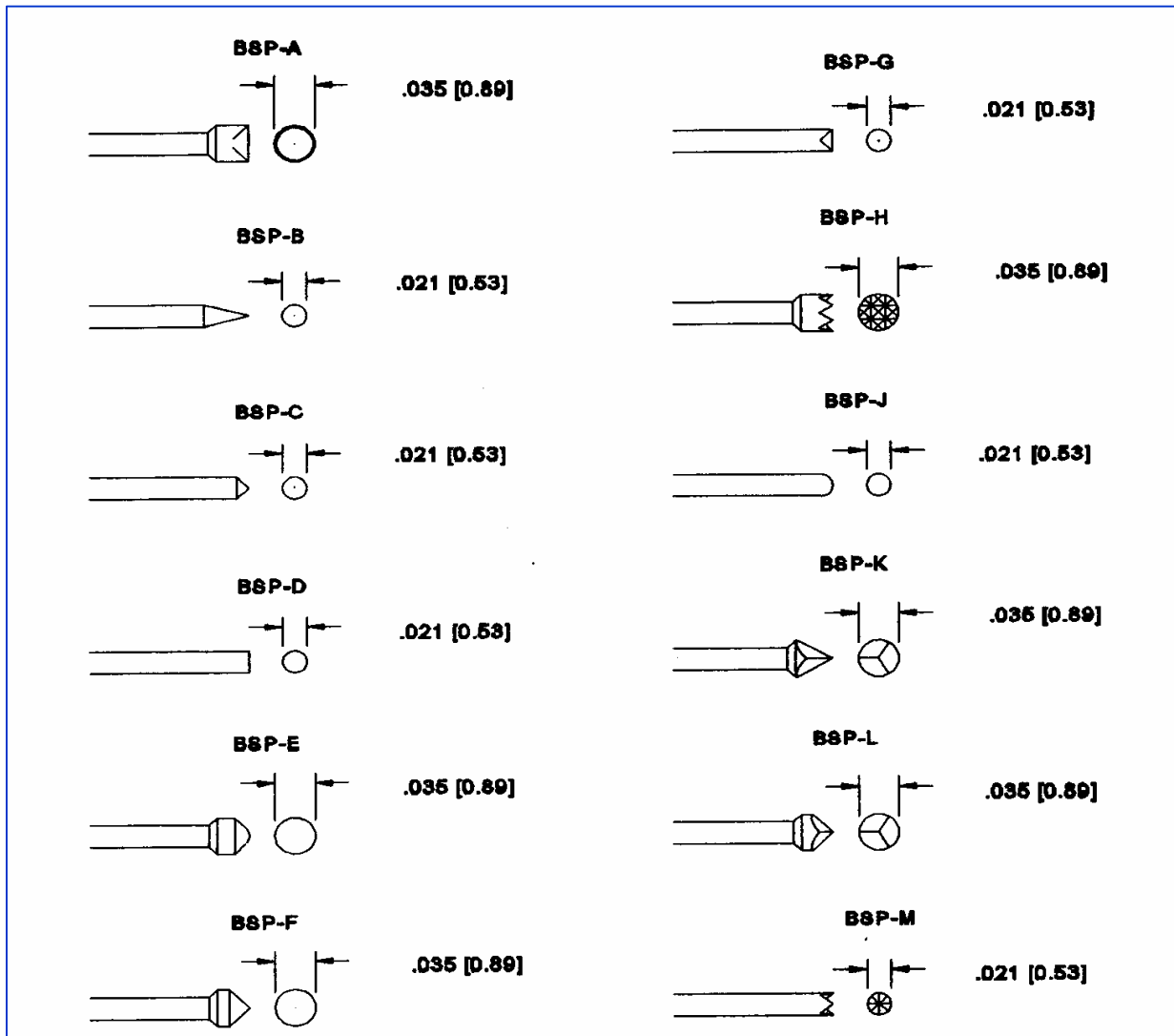
Contact Barrel - Nickel/silver, gold plated  
 Spring - Beryllium copper, stainless steel or music wire, gold plated  
 Plunger - Full-hard beryllium copper, gold plated over nickel



BSP Geometry

Probing the World  
 of Microelectronics

# Blade Spring Probes



Probe Head Styles

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