

## **Multi Contact Wedge Probes for DC and RF probing**

### **❖ Model S-MCW-RF**

- Durable
- DC to 40, 50, 67 or 110 GHz
- Mix RF and DC
- Contacts up to 9 RF probes per side
- For MMIC or Module probing
- Individually spring-loaded contacts
- Inexpensive, fast, custom fabrication
- Each wedge custom made to your layout
- Patented coaxial design



*Sample: Multi-Contact Wedge with three 40 GHz probes and five dc needles*

**The Multi-Contact Wedge allows for more chip design flexibility because it is custom configured to your circuit. Four Wedges can be used at the same time to probe a complete chip.**

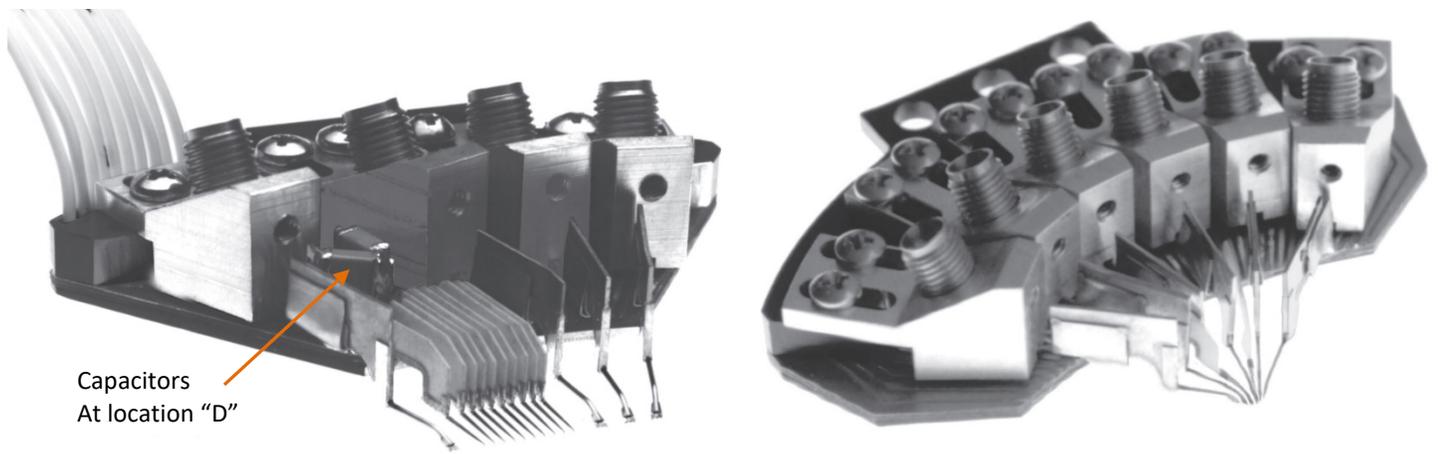
With its individually spring loaded, Beryllium-Copper tips, the Multi-Contact Wedge provides reliable contacts, even when probing non-planar structures. This reliable low resistance contact is one of the keys to providing highly repeatable measurements. The Multi-Contact Wedge also provides direct viewing of the probe tips for accurate positioning.

When used with standard microwave probe stations the Wedges can first be positioned to any microwave calibration standard and then moved into position on the MMIC or module to be tested.

The probe points on a Wedge can even be set to different depths so that multi-level modules can be successfully probed. Any pitch (tip spacing) from 50 to 1250 microns may be specified. Larger pitch probes are available by special order. The probes can be configured with Ground-Signal-Ground (G,S,G), Ground-Signal (G,S), or Signal-Ground (S,G) tip footprints.

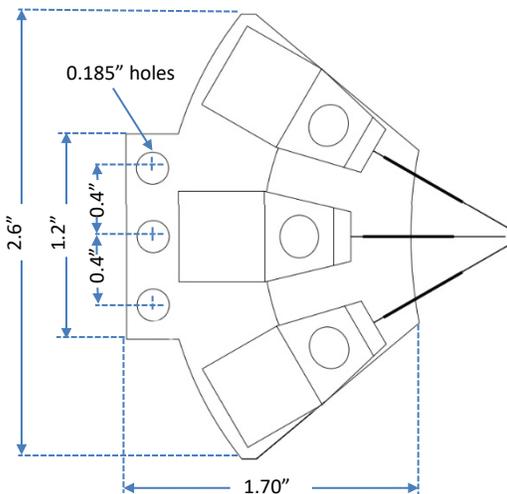
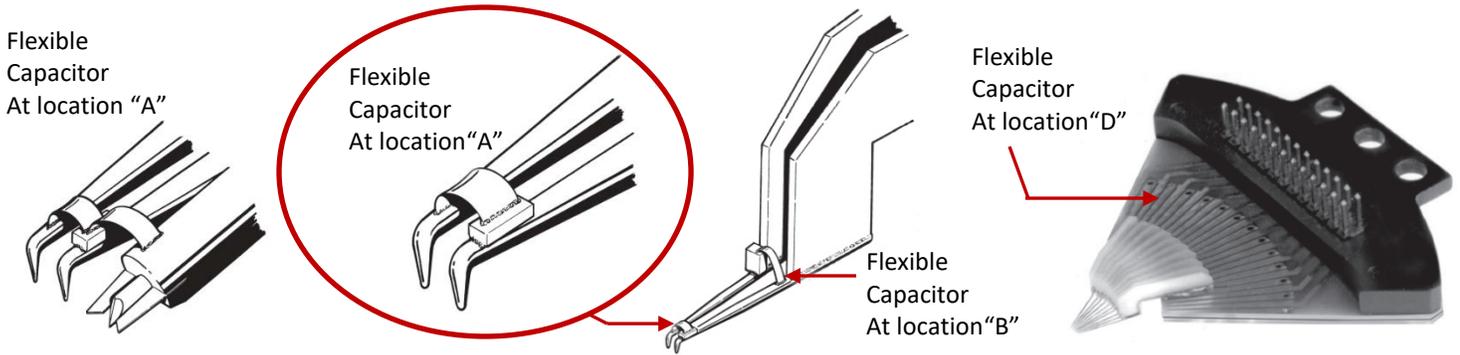
Connection to the Model 40A is through a female K connector and is compatible with SMA and 3.5mm connectors. Connection to the Model 50A is via a female 2.4mm connector.

Connection to the Model 67A is through a female V connector and is compatible with the 2.4mm connector. The 110H uses a 1.0mm connector.

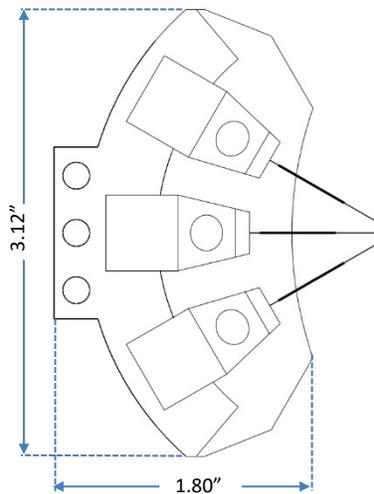


❖ Two examples of the RF and DC Multi-Contact Wedge

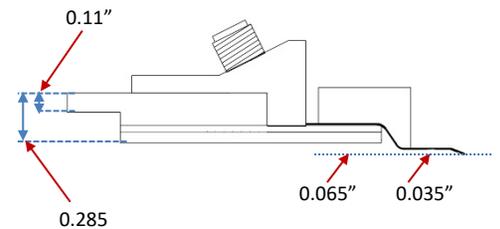
Many different wiring configurations are available for the dc, power supply, or medium frequency needs. Ribbon cable, twisted pair, coaxial cable, and 22 AWG hook up wire are some of the types available. Our standard connectors include: flat cable-based connectors, banana plugs, BNC connectors, SMA connectors, (9, 15, 25, or 37 pin) D-Subminiature connectors, and 8, 14, 20, or 26 pin Post Headers and receptacles. The Post Headers have a double row of 0.025 inch pins on 0.1 inch centers. Many other connectors can be specified.



80 degree Multi Contact Wedge



120 degree Multi Contact Wedge



Multi Contact Wedge Profile

## ❖ WARRANTY

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- Standard Warranty 12 months \*
- For Extended Warranty and Service Contracts : Contact Signatone Corp. for more information

\* See *Signatone Corporate Terms and Conditions of Sale* for further details.

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