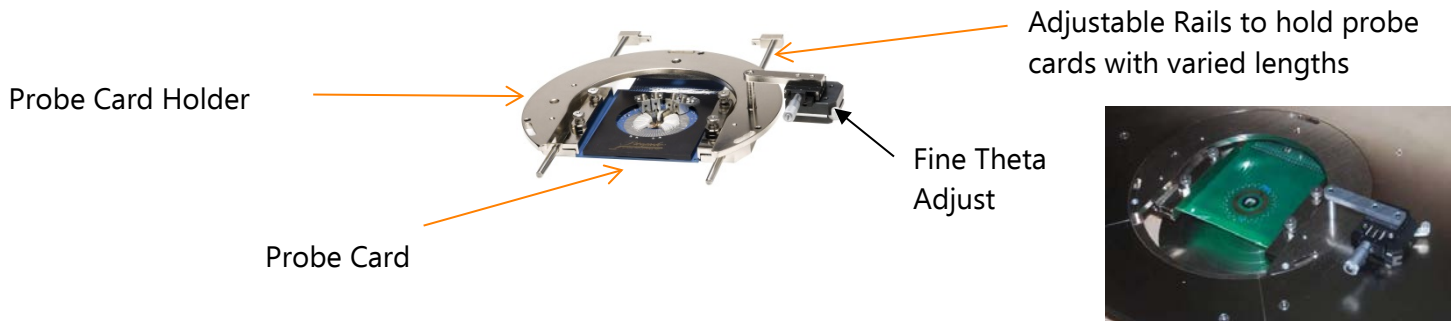


## Accessory – Probe Card Holders

SemiProbe manufactures a few different types of probe card holders. Most applications use rectangular shaped cards that vary in width from 4.5 " (114 mm) to 6" (150 mm). The overall length of the card can vary. The electrical cable connections to the card can be with individual cables or a ribbon cable and they can be mounted at the back of or on top of the card. The probe card holder provides both coarse and fine theta adjustments. When in place the card can be levelled and locked.

### Standard Probe Card Holder for PS4L Probe Systems



**Probe Card/Probe Card Interface** – The probe card will install into the probe card holder and interface to the test system using an edge connector. An industry standard 4.5" wide probe card will slide into the edge connector and lock in place. The rails support the edge connector and are adjustable to the length of the probe card. The Probe card holder has a unique aligning system that allows the probe card to be aligned to the stage X-Y and locked in place. The entire theta adjust unit is removed leaving extra space around the probing area free of any obstructions above the platen. This improves the ability to move manipulators and inkers safely around the probing area.

Edge connectors are available from a few different vendors. Amphenol is one vendor that is often used.



Assembled edge connector with wiring harness

276 East Allen Street  
Winooski, VT 05404  
Phone: 802-860-7000  
Fax: 802-419-3149

Edge Fingers of probe card



Edge finger of probe card slides into the edge connector. The connector is mounted to the probe card holder's adjustable rails



Test instrumentation interface cables are soldered to this end of the edge connector

Individual probes soldered to probe card