Elastech™ Interposer system
FPC test connector structural drawing

♦ Guide will be processed in accordance with each customer’s FPC.
♦ The guide is removable as needed
♦ This product is invertible by attaching the guide in reverse

* Low maintenance
* Simple replacement, just remove a shaft and guide screws

Other applications using Elastech™ Interposer

Device Test Socket for Characterization
♦ Unlike regular FPC based interconnects, Elastech™ is a high frequency contactor. Silver particle elastomer is specially adhered to the contact on the PCB side, against FPC (kapton) based interconnect in order to handle larger devices and BGA packages.
♦ Contact on the device side is gold plated (nickel / copper). Laser machined aspirates break through the oxide film to provide stability and durability.
♦ Silver particle elastomer, which adopted the excessive pressure preventive system, minimizes disturbance resistance caused by excessive particle diffusion.
♦ Laser machined bumps on the Elastech™ via holes and contacts make it highly controllable.
♦ It is produced in the same production process as FPC that allows laser micro fabrication. Accordingly, it is available down to 0.3 mm pitch minimum.
♦ Single product can contain multiple pitches and contact sizes.
♦ Contact resistance less than 50mΩ
♦ Current capacity: Max.5A/contact
♦ High frequency characteristics: -1dB@40GHz
♦ Self-inductance: 0.11nH
♦ Mutual-inductance: 0.015nH
♦ Mutual-capacitance: 0.028pH
♦ Typical contact force 15 - 25gf/pin
♦ Contact Compliance: Approximately 0.076mm