

IDI CONNECTORS



IDI is a pre-eminent designer and manufacturer of highly engineered, application specific interconnect devices utilizing spring probe technology. IDI's high performance connector solutions meet the requirements of the most stringent specifications demanded by our customers, providing unparalleled mechanical reliability and signal integrity.

IDI is known for designing probes for use outside of the test environment in a variety of industries. In the early 1990's, the company began a strategic initiative to identify a variety of new marketplaces where its core competencies could be utilized competitively. IDI expanded its markets to include custom connectors.

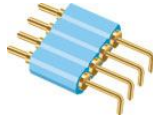
IDI's custom connectors can be found in a variety of applications within the test and measurement, military, aerospace, medical, homeland security and industrial markets. IDI's spring contact probe connectors are renowned for their performance in high reliability, fail-safe applications.

Blind Mate Connectors



One of the key benefits inherent in probe design is the ease of blind mating. Being essentially single-sided in nature, a mating counterpart is no longer required – hitting a target pad or terminal pin eliminates this requirement while allowing a simpler, more rugged interface.

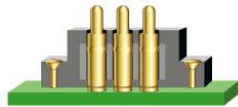
Board to Board Connectors



When your design demands extreme miniaturization, IDI's spring contacts offer the best compressed height to compliance ratio of any interconnect technology.

Available in thru hole options and provide an elegant and effortless connection to pads on a perpendicular PCB while absorbing system level alignment tolerances along the way.

Surface Mount Connectors



DC Surface/Compression Mount

RF Surface/Compression Mount, DC Surface Mount Soldered.

Low profile interconnects available, high density–pitches as fine as 0.4 mm, current capacity >7 Amps, contacts are easily replaced in the field.

Wiping & Sliding Connectors



The unique design of IDI's "bullet probe" makes it an ideal probe for side load applications. The plunger extension is equal to the plunger radius which allows our customers to contact it at an angle and still have the probe easily compress without causing damage. Wiping engagements add a bonus of self-cleaning as they slide and offer a clean contact surface each and every mate.

- Plunger extension equals the spherical radius so they withstand sideload
- In this application plungers are contacted at almost a 90° angle
- Cradle station charges and downloads data from unit