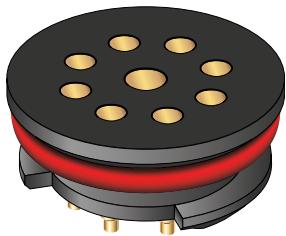


Housings

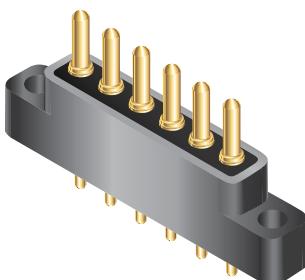
ENVIRONMENTAL SEALING

The ruggedness and reliability of spring contact probes make them ideal for applications in harsh environments. IDI's connectors have a wide array of available features which permit sealing to IP68 or Mil standards in either the mated or unmated condition.



Accomplishing a seal while mated is a process of combining gaskets with a latching mechanism reliable enough to prevent ingress, and IDI has several variations on that architecture to draw from.

Creating an unmated seal is more challenging, but IDI is equal to the task. Contacts may be selected which prevent ingress into the housing or even into the spring cavity. IDI's experience is the key to our success – our experts can easily match your requirements to our product line.

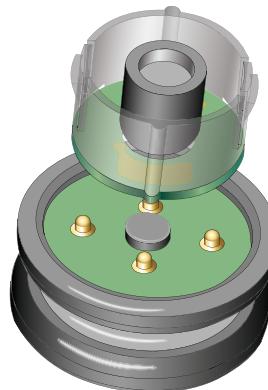


OTHER FEATURES

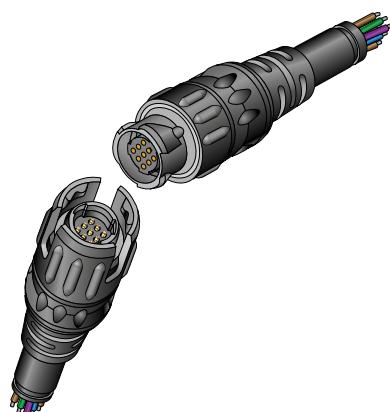
Connectors can be created which feature metal housings for shielding. Special latching designs can be employed to overcome significant engagement or sealing forces. Bayonet designs which wipe the contacts across a field of targets are uniquely possible with spring contact probes.

QUICK DISCONNECT

IDI capitalizes on the unique engagement of spring contact probes with our innovative quick disconnect connector designs.



Magnets may be used to draw the connector into engagement. This, combined with the blind mate characteristic of probes, allows the connector to be disengaged safely and instantly. Magnetic engagement features almost no wear of the engaging surfaces, and may be mated and demated repeatedly with no degradation in performance.



Where magnets are impractical for reasons of engagement force, sealing, or other considerations, IDI can create special latching features which also permit a quick disconnection. These may be designed for a single break or for repeated disengagement, depending on the requirements of the application.

Spring contact probes are a flexible, adaptable contact technology, and IDI has extensive experience in creating solutions to unusual problems.

That design agility often finds its application in the housing of the connector, which provides the alignment and latching functions for the connector.

Special features to accommodate environmental sealing, low-force insertion or quick-disconnect extraction, or a host of other requirements are at your disposal.

Contact IDI to find out more about how we can make your application a success.