Box Build: Squib Connector Offers Supreme Resistance

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A new squib connector has been designed to provide unparalleled resistance to handling issues in cable assemblies and box builds.

The new connector has been designed by Molex as a solution to handling issues and to provide excellent mating performance with SRS.

The Squib Right-Angle AK-2 connector for Cable Assemblies is aimed to provide a fully reliable connection and provides low and stable contact resistance, while also withstanding repetitive use.

The connector is perfectly suited to agricultural equipment, ATVs, aircrafts and automotive applications.

“Airbags and seatbelt pretension designs have grown more complex over the last 20 years. These restraint systems are difficult to reach during the vehicle-assembly process, resulting in the need for fail-safe Squib connector mating interfaces,” said Benoit Lehaut, Molex global product manager.

“The Squib AK-2 interface ensures fully scoop-proof connections and reduces bent pin risks and related replacement costs that can result from improper airbag connection.”

Lehaut explains the new connectors deliver low mating force in a one-step movement so they support tighter design constraints by improving assembly conditions.

Connector snagging on internal vehicle holes, wires and seatbelt harness assembly is eliminated through the unique ergonomic Squib AK-2 design.

The easy and reliable one-step connector mating, which prevents premature locking prior to mating, is provided by an integrated, high-blocking force connector position assurance button.

Box Build Providers

Hunter Cable Assembly has 30 years experience in providing quality cable assemblies and box builds to customers in a range of different industries.

A **box build** usually encompasses the whole process of supplying an application through to the design and the actual assembly to enable the electronic device to work in the environment it is required.

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