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Tyco Electronics Offers a Wide Range of AK, AK1 and AK11 Compliant Squib Airbag Connectors

Tyco Electronics has been an important supplier to the automotive OEMs in the development of the standards for airbag connectors. The first generation of the VDA (Verbund die Automobil Industrie) airbag standard, known as AKI, was strongly supported by Tyco Electronics. An extensive product range is available in the market covering diverse application requirements based on this interface.

Tyco Electronics' squib connector portfolio offers a wide range of specialized products covering the Universal Squib (non-serviceable) and varying pitch sizes such as 7.9mm and 10mm for sealed and unsealed applications. The Tyco Electronics AKI Squib product offering is based on the widely utilized and qualified Micro Quadlock Terminal System (MQS).

The automotive OEMs have highlighted the scoop proof improvement potential of the existing AKI interface which resulted in the development of the AKII specification. Tyco Electronics will support the AKII standard in the same fashion as it did with its successful AKI product range. A wide product offering will be available, with initial focus on the 90° harness connector based on the ferrite suppression element and crimped contact system. Currently two versions are available with varying connector lengths, depending on the EMI performance requirements.

Product Features:

- The AKII product range will be supported through a fully automated assembly process for cable leads.
- Connectors compatible with varying connection depths on the Short Circuit Ring (SCR) to



improve the scoop proof capabilities of the connection system are available as well as varying connector geometries to suit diverse packaging and EMI requirements.

- The Connector Position Assurance (CPA) device is compatible with 1-step assembly process (2- step assembly processes is also optionally available).

Applications:

- Driver, passenger, and side airbags and curtains
- Active headrests and seat belt pretensioners

About Tyco Electronics

Tyco Electronics Ltd. is a leading global provider of engineered electronic components, network solutions, undersea telecommunication systems and wireless systems, with 2007 sales of US\$13.0 billion to customers in more than 150 countries. We design, manufacture and market products for customers in industries from automotive, appliance and aerospace, defense and marine to telecommunications, computers and consumer electronics. With over 7,000 engineers and worldwide manufacturing, sales and customer service capabilities, Tyco Electronics' commitment is our customers' advantage. More information on Tyco Electronics can be found at www.tycoelectronics.com.

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