

ConnTAK50 Connector System >

The versatile 1.80mm-pitch ConnTAK50 Connector System employs the Arbeitskreis (AK) interface and offers both single- and dual-row versions, and 2 configurations in a small package to support design flexibility and space-constrained applications

FEATURES AND ADVANTAGES

Uses the Arbeitskreis (AK) connector interface

Inter-matable with existing competitor AK connectors. Delivers a standard interface commonly used in the automotive industry

1.80mm pitch AK interface

Offers the smallest automotive grade connector system. Eases space constraints

Tape and reel packaging. Tube also available

Offers flexibility for tier 1 or module device makers. Enables pick-and-place automation



Dual-row connectors with 4 to 22 circuits

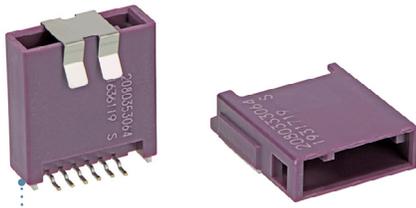
Meet the specific needs of each application

Dual-row receptacles feature both a side latch and connector position assurance (CPA) mechanism

Provides a reliable connection

Wire dress cover available

Offers greater flexibility in wire routing. Accommodates all wire & bundle sizes



4 polarization and color-keying options

Aids assembly. Prevents mis-mating



Right-angle and vertical headers available

Offers design flexibility

Two styles of connector position assurance (CPA) features available for dual-row connectors

Ensures proper mating. Large-style CPA improves ergonomics and lateral stability. Small-style CPA offers space savings and a smaller connector (designed but not tooled at this time)

Pick-and-place vertical SMT header available

Enables automated assembly

Patented CPA release mechanism

Meets strict mating force requirements. Eases assembly. Reduces operator fatigue

TAK50 TERMINAL

Compatible with AK blade and cavity

Enables mating with existing competitor connectors

Meets LV 214, GMW 3191 and USCAR specifications

Appropriate for European, Chinese and US automotive markets



2-piece beam design

Delivers electrical reliability. Withstands vibration

Superior electrical and mechanical performance

Provides a robust connection and reliable power transmission

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MARKETS AND APPLICATIONS

Automotive

- In-vehicle Switches
- Seat/Mirror Control
- Camera Modules
- Battery Management Systems (BMSs)
- Lighting
- Bluetooth
- HVAC

Electric vehicle (EV) application

