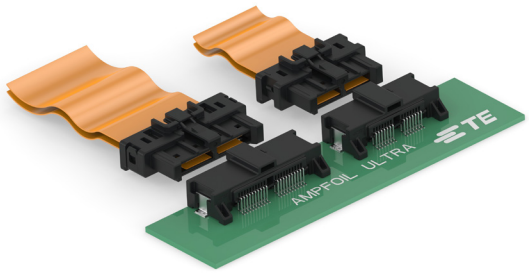
INTRODUCING

AMPFOIL ULTRA CONNECTOR

- **Miniaturized design frees space for PCB layout**
- **Secure connection prevents accidental unmating from pull forces in any direction**



TE Connectivity (TE)'s AMPFOIL ULTRA connector is designed to meet the needs of Flexible Flat Cable (FFC) and Flexible Printed Circuit (FPC) applications, particularly in Battery Energy Storage Systems (BESS). This advanced connector enables efficient, reliable connections between battery cells and Battery Management Systems (BMS). In addition to its primary use in energy storage, the AMPFOIL ULTRA connector is also well-suited for automotive applications, including electric powertrains and lighting systems.

FEATURES

- Miniature size
- Positive latch between header and plug
- Easy assembly for plug
- High performance in vibration and aging

BENEFITS

- Miniaturized design frees space for PCB layout
- Secure connection prevents accidental unmating from pull forces in any direction
- Tool-free foil installation reduces customer assembly time
- LV 214 Severity 2 compliance ensures reliable performance under prolonged vibration
- For aging performance, USCAR-2 compliance verifies long-term electrical and mechanical durability

APPLICATIONS

- Battery energy storage
- Battery cell to system
- Battery management system

ELECTRICAL

- Rated voltage (max.)= 29.6VDC
- Rated current (max.) = 1A

MATERIALS

- Plastic housing : UL94 V-0 high temperature thermoplastic, black
- Contact: Copper alloy gold plating

MECHANICAL

- Pos. = 24/28/32/36/40
- Pitch = 1mm

STANDARDS

- UL Certification

SPECIFICATIONS

- Product spec.: 108-137689
- Application spec: 114-137689

LEARN MORE

- AMPFOIL ULTRA connector product group page
- AMPFOIL ULTRA connector model detail page
- AMPFOIL ULTRA connector flyer - English
- AMPFOIL ULTRA connector flyer - Chinese
- AMPFOIL ULTRA connector part list
- AMPFOIL ULTRA connector images

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