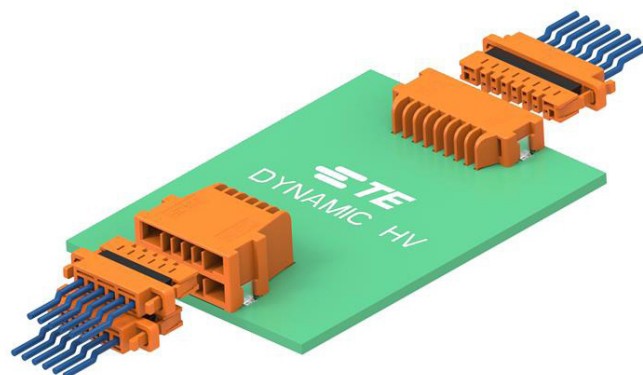


INTRODUCING

DYNAMIC HV SERIES CONNECTOR SYSTEM

- Space-saving double-row header enables high pin count and reduces mating force using two single receptacles
- X/Y keying prevents mis-mating of identical pin-count parts in double-row headers



TE Connectivity (TE)'s high voltage Dynamic HV series sensing connector is designed for BDU (Battery Distribution Unit) and BMS (Battery Management System) application in both power battery and ESS (Energy Storage System) market. The Dynamic HV series HV10 type connector is designed for 1000 V voltage rating with high performance resin and only a 3.5 mm pitch for the print circuit board and wire connection. HV10 type connector includes 6 and 8 positions in single row, 10 and 12 positions in double row variance. Double row version can save vertical space by using two pieces of single row receptacle connectors. The side latches structure provides the comfortable mating and unmating force. Dynamic HV series has retained its keying feature to facilitate error mating in same pin count or between rows.

BENEFITS

- Barrier design increases creepage distance between circuits
- Pre-assembled TPA retainer with directional arrow prevents incorrect insertion
- Space-saving double-row header enables high pin count and reduces mating force using two single receptacles
- Bracket with side latches resists loosening; end latch features allow easy manual removal
- X/Y keying prevents mis-mating of identical pin-count parts in double-row headers

FEATURES

- 3.5mm pitch
- Secondary lock feature and pre-assembled spacer on receptacle housing
- Double row concept
- Latch-protection feature
- Error Proof Keying

APPLICATIONS

- BESS (Battery Energy Storage Systems)
- EVI (Electrical Vehicle Infrastructure)
- EV power battery
- Battery pack
- Battery management system / Battery distribution unit

ELECTRICAL

- Current rating: max. 3A
- Voltage rating: 1000V

MECHANICAL

- Contact retention force with 2nd lock $\geq 50N$

MATERIALS

- Housing: PA10T
- Contact: Copper alloy
- Plating on contact: Tin

STANDARDS

- LV214 S2

SPECIFICATIONS

- Product Specification: 108-161098
- Application Specification:
 - 114-161004 - receptacle contact
 - 114-161109 - receptacle connector

LEARN MORE

- [Dynamic HV Series Product Group Page](#)
- [Dynamic HV Series Partlist](#)
- [Dynamic HV Series Brochure](#)
- [Dynamic HV Series Images](#)
- [Dynamic HV Series Header Model Detail Page](#)
- [Dynamic HV Series Receptacle Model Detail Page](#)