



## DYNAMIC D8000 SERIES

The Dynamic D8000 series is a new high-current series of pluggable connectors in TE's Dynamic Series. They inherit the normal Dynamic Series features like the audible lock design and crimping contacts.

The Dynamic product portfolio have both Wire-to-Wire (WTW) and Wire-to-Board (WTB) that provides connector solutions ranging from signal level circuitry through power circuit connectivity in a ruggedized, industrialized package. Vibration and shock proven, the intelligent audible locking system and unique crimping contact design drive efficiency and long service life through minimizing downtime in the application.

Dynamic D8000 connectors carry currents as high as 100A per pin for WTW, and 90A for WTB making them suitable for power supply systems for industries like Battery Test Equipment (BTE), Battery Management System (BMS), factory automation, robotics, etc. They have a rated voltage of 1000V AC/DC, and withstand voltages of up to 3000V AC. Connectors require only two positions, rather than multiple positions when using connectors with small current-carrying capability, which for wire-to-board versions saves important space on the PCB. Wire-to-wire (WTW) and Wire-to-board (WTB) options are both available.

### BENEFITS

- Positive audible locking housing enable easy mating for a simplified and reduced installation / maintenance time in the field for service engineers
- The D8000 series only requires two positions on the connector, saving space on the PCB
- The connectors are time savers, thanks to fast installation possible through harness assembly and quick plug-and-play installation

## Dynamic D8000 Series

### KEY FEATURES

- High current capacity: up to 100A (WTW), 90A (WTB)
- Two-piece structure with crimping contacts which saves assembly time
- Audible lock design to ensure safe locking
- Both WTW and WTB available with two-position product
- Contact retention force in the housing of over 98N
- Maximum mating and unmating force 58.8N per pin

### APPLICATIONS

- BTE (Battery Test Equipment)
- BMS (Battery Management System)
- Factory automation
- Robotics

### SPECIFICATIONS

- **Product specification:** [108-140254](#)
- **Test report:** 501-78768

### MECHANICAL

- **Contact retention force** in housing over 98N
- **Mating force:** 58.8N max per pin
- **Unmating force:** 58.8N max per pin
- **Durability:** 10 cycles

### ELECTRICAL

- **Rated current:** 100A/Pin (WTW), 90A (WTB)
- **Rated voltage:** 1000V AC/DC
- **Withstand voltage:** 3000V AC

### MATERIALS

- **Contact:** Copper alloy
- **Plating on mating surface:** Silver
- **Housing:** PBT & High temperature nylon (Header)

### Part Number List

Part Number	Part Description
<a href="#">1-2351981-2</a>	DYNAMIC D8000 REC HSG 2P
<a href="#">2373747-5</a>	DYNAMIC D8000 REC CONT SILVER
<a href="#">1-2352216-2</a>	DYNAMIC D8000 TAB HSG 2P
<a href="#">2351982-5</a>	DYNAMIC D8000 TAB CONT SILVER
<a href="#">1-2351965-2</a>	DYNAMIC D8000 HDR ASSY 2PX BLK

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