



HIGH DURABILITY DIRECT-TO-PCB BATTERY PACK TERMINALS

LOW INSERTION FORCE (LIF) POWER AND SIGNAL BATTERY TERMINALS DESIGNED FOR EXTENDED PRODUCT LIFETIME

The high durability direct-to-PCB battery pack terminals deliver 10,000 mating cycles performance, allowing battery manufacturers to achieve longer product lifetimes. The nickel-plated copper alloy terminals feature an ergonomic low insertion force (LIF) design that makes it easy for the end-user to repeatedly attach and detach the battery pack. Also, they help to prevent misalignment prior to PCB soldering, making the assembly process easier. Terminals are sold without housing assemblies, in either reel or loose piece packaging, but TE Connectivity (TE) has the capability to support battery manufacturers with customized housing assemblies that meet industry standards for flammability and operating temperature. TE can also develop customized terminals with different electrical and mechanical ratings.

ELECTRICAL (POWER / SIGNAL)

- Max Current (A): 20 / 5
- Final Max Low Level Contact Resistance (LLCR; mΩ): 4.5 / 9.5

MECHANICAL (POWER / SIGNAL)

- Maximum Mating Force (N): 8 / 6
- Minimum Unmating Force (N): 0.8 / 0.5
- Test Mating Cycles: 10,000

MATERIALS

- Base: Copper Alloy
- Plating: Nickel, Selective Tin
- Operating Temperature* (°C): -10 to +110

STANDARDS & SPECIFICATIONS

- Product Specification: [108-160280](#)
- Application Specification: [114-160168](#)

KEY FEATURES

- High durability contacts maintain performance for up to 10,000 mating cycles
- Ergonomic low insertion force (LIF) design allows easy battery pack attachment and detachment
- Terminals help to prevent misalignment prior to PCB soldering
- Option to design customized terminals with different electrical and mechanical ratings and customized multi-position housings meeting industry standard flammability and operating temperature requirements

APPLICATIONS



E-Mobility



Lawn Tools



Small Home
Appliances



Power Tools

*Includes temperature-rise of terminals

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BATTERY PACK TERMINALS

	Contact Type	Part Number
Power Receptacle		2388378-5
Power Tab		2388376-4
Signal Receptacle		2388379-5
Signal Tab		2388373-4

Note: Customized terminal and housing is available

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