

Littelfuse solves customer's **spacedilemma**

Fast Facts

- **Customer**
Battery Manufacturer
- **Opportunity**
\$337,000
- **Product**
Advanced Batteries for Telecommunication Power Backup Systems
- **Industry**
UPS/Backup Power
- **Problem**
Current fuse options could not meet dimensional requirements on control board
- **Solution**
Lead Modified TLS Fuse

While visiting a world leader in battery technology for telecommunication emergency backup systems, the Littelfuse sales team discussed possible solutions to the customer's limited space challenge. Being a blessing and a curse, one of their products only has a width of 7.88 inches and a height of 10.75 inches. With very little component clearance, their application required a very compact 40 ampere DC rated fuse such as our TLS series. However, even with a diameter of 0.56 inches, the TLS was not small enough.

Our proposal redesigned the surface mount TLS-L into a mid-mount device which can be soldered to the circuit board. This new design essentially cut the height of the fuse by 50 percent and increased the clearance above the fuse. The POWR-GARD Product Development Committee reviewed the proposal from all aspects and determined the project to be feasible.

Within a week, our engineering and production staffs created prototypes and shipped them to the customer for approval. The approval process went smoothly and we had their blessing within days.

This POWR-Win is an excellent example of Littelfuse's ability to respond to a customer's challenge with a quickly designed and prototyped solution. Other battery and power supply manufacturers can potentially use this product, and the concept of quick redesign and modification of our products can be a value-added proposal helping designers solve their specific requirements.

BEFORE



AFTER

