



ADVANCED
INTERCONNECTIONS.

Another solution
from the



Customized FR-4 connectors make affordable prototypes without sacrificing reliability.

PROBLEM

This military application called for a method to interconnect 3 PC boards in a defined space with a total applied cost under the existing stamped-and-formed alternative. Their current connector system was costly and not robust enough to withstand the required 15,000 Gs.

SOLUTION

Our application engineers reviewed the complete product design, and drawing from the Advanced Tool Box, created a custom FR-4 insulator with application-specific length pins in prototype volume to allow for testing. Our unique design actually reduced the overall connector count from 6 to 3, while providing a robust, screw-machined solution at a lower overall cost.

RESULT

The Advanced solution was approved and the initial volume of 1,000 sets will ramp up to 10,000/per year. To further reduce costs as the volume increases, the design can be easily transitioned to a molded insulator.

TYPICAL APPLICATIONS: MILITARY | MEDICAL | INDUSTRIAL | SECURITY



TOOLS YOU CAN USE

- In-house drilling/routing capability allows unique shapes
- Precision CNC screw-machined terminals for affordable prototypes
- Customized, robust designs for high reliability applications

Visit our customized solutions resource center at <http://www.advanced.com/customizedstart.html>
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