



GORE™ snapSHOT® Board Level Shield

WIRELESS COMMUNICATION HEADSET APPLICATION SUMMARY

Reduce interference with lightweight shielding for wireless communication devices

Application Overview

A customer was developing a communication system to be worn by athletic coaches in all types of outdoor environments. The system included a headset and a wireless transmitter worn on the coach's belt. Key issues for this application include the following:

- Reliable data transmission
- Interference from external sources
- Lightweight packaging

The customer had previously used a combination of conductive coating, casting, and gaskets for EMI shielding. However, this approach did not provide adequate shielding and resulted in a product that was too heavy for the user to wear.

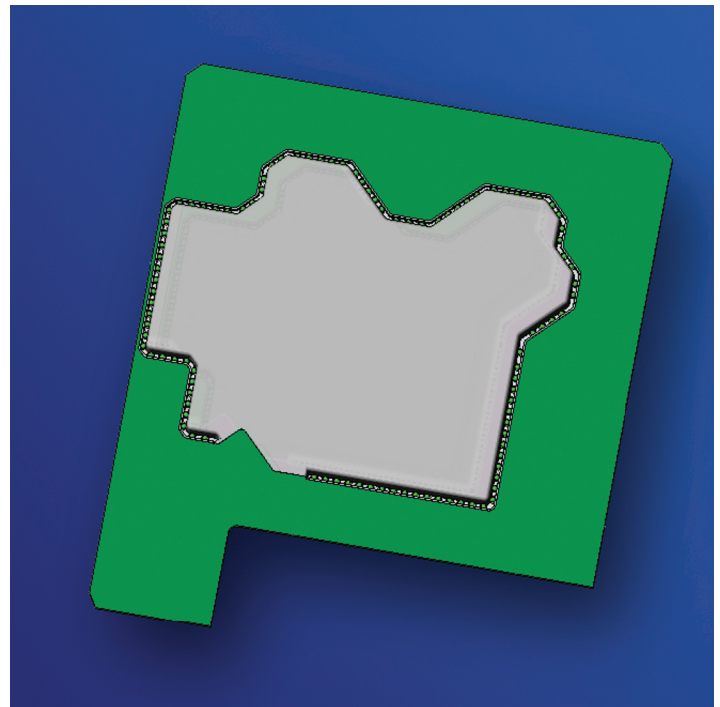
The Gore Solution

GORE™ snapSHOT® Board-Level Shields ensure excellent signal performance up to 12 gigahertz and improve shielding effectiveness by providing excellent signal isolation between critical areas. These lightweight, multi-cavity shields allowed the customer to minimize product size and weight by customizing the height and shape of the shields used in the transmitter.

Realize the Benefits of GORE™ snapSHOT® Board-Level Shields

- Improved signal transmission by eliminating internal and external interference
- Reduced product size from thin, low-profile shields
- Increased PCB design flexibility with the capability to customize the shape of the shields

Drawing on more than 50 years of experience in fluoropolymer research and applications, W. L. Gore and Associates continues to engineer innovative products for board-level shielding. For assistance in selecting the right shielding product for your application, contact your Gore representative today.



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