



The Board Shield People

Board-level shielding (BLS) is a method that safeguards electronic devices from electromagnetic interference (EMI). It involves encasing components or boards within metallic shields, preventing both the emission of EMI and external interference from affecting the device. The effectiveness of BLS depends on factors such as the material used, the design of the shielding, and the method of application.

Single-piece shields offer a straightforward and cost-effective solution for protection, while two-piece designs allow for access to the components for inspection or repair purposes. Common materials utilized for BLS include tin-plated steel and nickel silver.

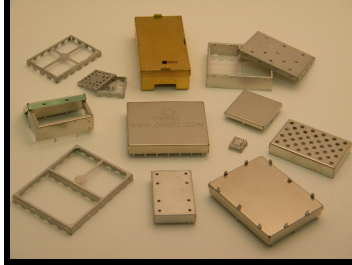
In the design process of BLS, engineers take into consideration the layout of the board, the specific shielding requirements, and the grounding arrangements. Rapid prototyping techniques aid in testing and refining the designs. BLS ensures reliable operation of the electronic device and compliance with electromagnetic compatibility (EMC) regulations.

Contact the expert design team at Orbel today to help solve solve your EMI challenges.



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Board Level Shields

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