



Case for CoralBoard

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Summary

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Coralboard SL – Open Protective Mount

The **Coralboard SL Open Protective Mount** is a practical, minimalist, and 3D-printable mounting solution designed specifically for the Synaptics Coralboard SL.

This design provides a secure and stable platform for the board while keeping its components accessible and allowing natural airflow for effective cooling.

The open-frame construction makes it ideal for electronics enthusiasts, developers, makers, and anyone working on AI, IoT, or embedded computing projects.

Key Features

- **Custom Fit:** Designed using the official Coralboard SL CAD model for accurate board positioning.

- **Secure Mounting:** Four integrated mounting posts with holes for M3 screws.
- **Protective Edges:** Low-profile side walls help protect the board from accidental contact.
- **Improved Airflow:** An open-top design and ventilation slots promote passive cooling.
- **Cable Management:** Integrated openings allow cables to be organized using zip ties.
- **Easy Installation:** Simple construction provides convenient access to connectors and components.
- **3D Printing Friendly:** Designed to print without supports.

Technical Specifications

- **Compatibility:** Synaptics Coralboard SL
- **Overall Dimensions:** 80.4 × 67 × 7.38 mm
- **Base Thickness:** 2.4 mm
- **Mounting Hole Diameter:** 3.3 mm
- **Recommended Material:** PETG
- **Layer Height:** 0.2 mm
- **Supports:** Not required
- **File Format:** STL

Recommended Applications

This mount is suitable for desktop development, AI demonstrations, IoT prototypes, electronics testing, educational projects, and custom embedded systems.

Why Choose This Design?

Unlike fully enclosed cases, this open protective mount prioritizes accessibility, ventilation, and ease of use. It provides a practical balance between mechanical protection and flexibility during development.

The compact design also minimizes material consumption and printing time.

Printing Recommendations

For best results, print the mount flat on the build plate using PETG with a 0.2 mm layer height and 20–30% infill.

Use M3 screws to secure the Coralboard SL to the integrated mounting posts.

Note: The manufacturer's CAD model may not include every electronic component. Check component

Model files



coralboard_sl_open_mount.stl

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