



SwiftWing SW-XTB-30-01-V1

SwiftWing XT30 Connector PCB Mount Welding Board

Official Technical Datasheet | Document ID: SW-XTB-30-01-V1-DS-v1.2 | Release Date: March 2026
SKU: SW-XTB-30-01-V1

Product Page: <https://swiftwingtech.io/product/xt-connector-pcb-mount-welding-board/>

Product Overview

The XT Connector PCB Mount Welding Board is designed to transform standard XT connectors into a **secure, mountable power interface**. Instead of leaving connectors unsupported on wires, this board allows you to firmly mount them onto frames, enclosures, or panels.

XT30 - Built for high-current and heavy-duty applications, the XT30 variant provides maximum robustness and reliability. Ideal for large drones, battery systems, and industrial power setups where durability is critical.

Key Features

- **Mechanical Mounting Capability**
Dedicated screw holes for rigid installation on structures or enclosures.
- **Large Copper Solder Pads**
Ensures strong solder joints and easy assembly.

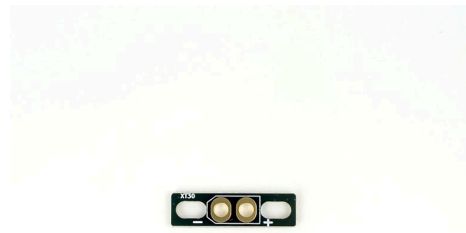


Figure 1: SwiftWing XT30
Connector PCB Mount Welding
Board

- **Improved Reliability**
Reduces stress on wires and prevents connector fatigue or failure.
- **Clean & Professional Wiring**
Ideal for organized builds and production-ready systems.
- **Heavy-Duty PCB Construction**
Thick board designed to handle mechanical and thermal stress.

Applications

- UAVs and FPV drones
- Battery mounting systems
- Power distribution setups
- Ground control stations (GCS)
- Robotics and automation systems
- High-current DC power systems

Available Variants

Choose the right connector size based on your application:

- **XT30** → Compact, lightweight systems
- **XT60** → Standard drone and mid-power builds
- **XT90** → High-current and industrial applications

Why Use a PCB Mount for XT Connectors?

Traditional setups leave connectors hanging on wires, leading to:

- Mechanical stress on solder joints
- Reduced durability over time
- Poor mounting and cable management

This board solves these issues by providing a **rigid, mountable interface**, improving both **longevity and safety**.

Product Views

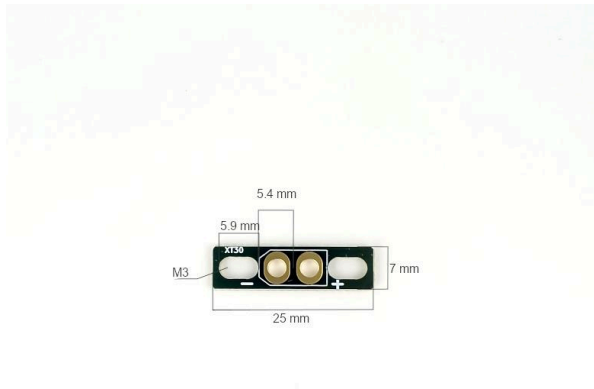


Figure 2: Top view with dimensions



Figure 3: With connectors

Technical Overview

- PCB Type: 2-layer heavy copper
- Mounting: Through-hole M3
- Pad Type: Large copper pads for direct soldering

Package Includes

- 1 × XT Connector PCB Mount Board (as per selected variant)
(Connector not included unless specified)

Ordering Information

Product Name	SKU
SwiftWing XT30 Connector PCB Mount Welding Board	SW-XTB-30-01-V1

Manufacturer Information

Manufacturer: SwiftWing Robotics
Product Category: Power Distribution Board (PDB)
Model: SwiftWing XT30 Connector PCB Mount Welding Board
SKU: SW-XTB-30-01-V1

Product Page:
<https://swiftwingtech.io/product/xt-connector-pcb-mount-welding-board/>

Website:
<https://swiftwingtech.io>

Disclaimer

Specifications are subject to change without notice. SwiftWing Robotics assumes no liability for improper installation, incorrect battery polarity, or operation beyond specified ratings.

Users are responsible for verifying suitability and ensuring safe system integration.

Revision History

Version	Date	Description
v1.0	February 2026	Initial Release
v1.2	March 2026	Layout refinement and specification updates