



VRM JST Board User Guide

(JCB-0003)

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Overview

Introduction

The VRM JST Board is a connector board that converts the Weidmuller connectors on the VRM to JST connectors. The VRM JST Board features JST connectors which provide you with an easy way to wire a reliable connection that will stand up to FRC game play. For even faster wiring, you can pair the board with our pre-crimped [wires](#). There are also [connectors](#) available so you can crimp your own wires.

Features

- Converts the Weidemuller connectors to JST connectors.

Installation Instructions

Mounting the VRM JST Board

1. Line up the pins on the VRM JST Board with the Weidemuller connectors.
2. Firmly press the pins into the Weidemuller connectors.
3. Pull up on the board to test the connection.

Once the VRM JST Board is installed correctly, it will not be able to come out without the proper tool. This ensures the reliability of the connections and the performance of your control system.

Wiring the VRM JST Board

The VRM JST Board converts the Weidemuller connectors into JST connectors. This creates a system where you can easily and efficiently wire your control system.

Using Pre-Crimped Wires

1. Following the diagram listed in the technical details section, insert a cable with a JST connector on one side into the desired port on the VRM JST Board.

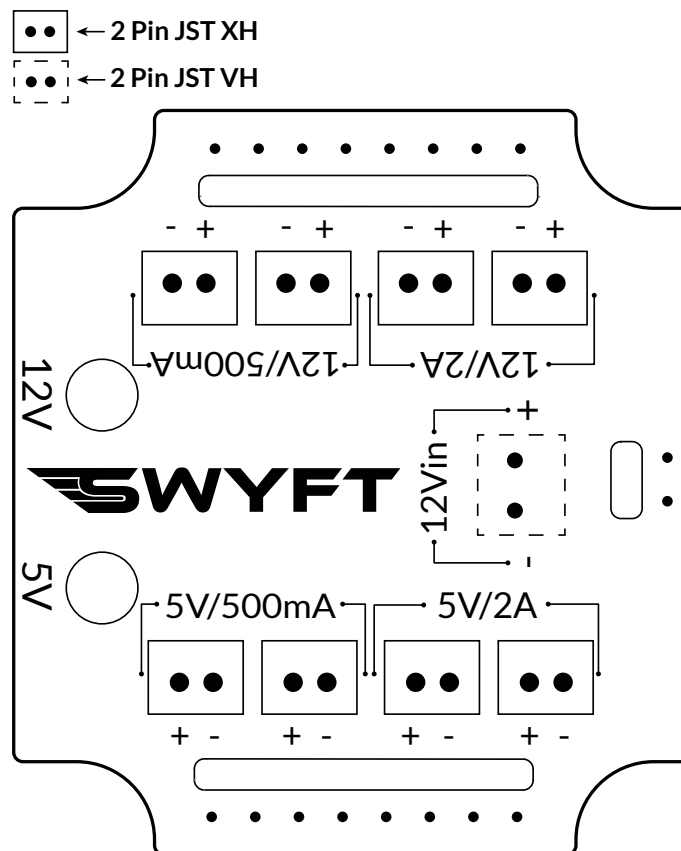
Crimping Your Own Wires

Note: For each wire that you need, follow the diagram in the technical details section.

1. Strip the ends of the wire 0.125”.
2. Insert the bare wire into the terminal crimps.
3. Using a crimping tool, crimp the terminal crimps onto the wire.
4. Repeat for each of the cables needed.
5. Insert the cables into the [connector](#) needed.
6. Insert the connector into the port on the VRM JST Board by pushing down on the connector until you hear a click.

Technical Details

Diagram



Removal Instructions

Removing the VRM JST Board

Note: You must use the VRM JST removal tool otherwise you risk damaging the VRM and the VRM JST Board.

1. Disconnect all of the cables from the JST connectors on the VRM JST Board. The board should look how it was when it was originally installed.
2. Line up the pins of the VRM JST removal tool with the slots in the VRM JST Board.
3. Firmly press down on the removal tool over the pins while pulling up on the VRM JST Board. You need to press all of the Weidemuller connectors down in order to release the pins on the VRM JST Board.

For a demonstration on how to perform this task, visit [this page](#) in the “How To” section.