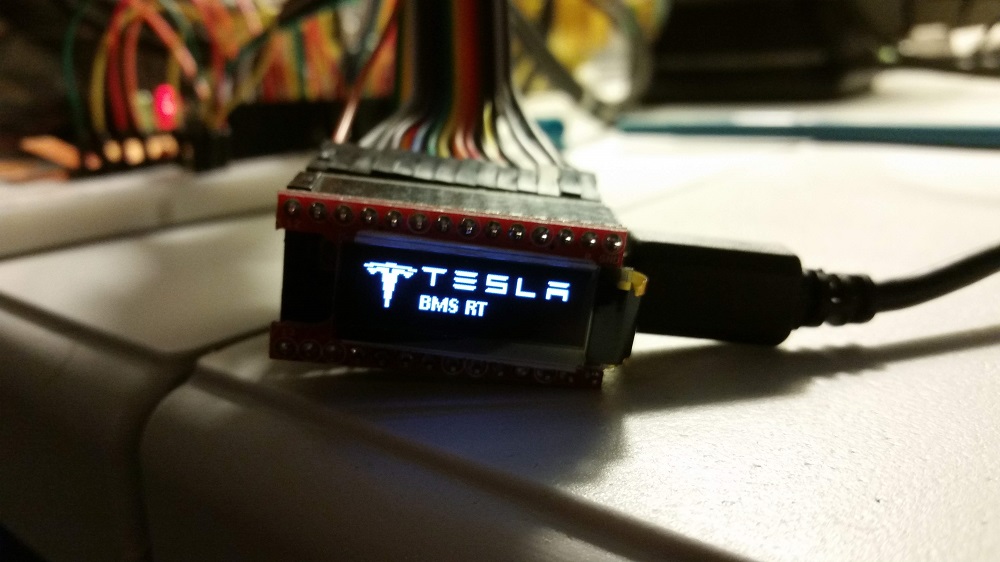
Tesla BMS BL V1.0

Tesla Battery Management System Big Loop Version 1.0



Contents

# Overview

The Tesla BMS BL was conceived in the scope of a 1981 Sidewinder conversion to electricity. Although the main function of the controller is to monitor and balance the cells in the Tesla model S modules, it also performs the following functions:

* Controls the Electric Vehicle Charger Controller (EVCC) to initiate a charge.
* Monitors up to two battery compartments for flooding (coolant or water) using water sensors.
* Logs various faults obtained from different sources.
* Controls the coolant pump for the cooling of the tesla modules.
* Monitors and manages the 12V battery by controlling a DC2DC converter.

The controller is optimized to draw very little power from the power pack when in standby.

# Installation

The installation of the Tesla BMS BL must be done according to the following pinout with consideration that the controller functions at 3.3V and is 5V tolerant. Its serial port can talk directly with the Tesla BMS Modules without a voltage converter.

# Operation

# Firmware Update

# Command Line Interface