

Charge Control F

Introduction

Charge Control F adds DIN 70121 and ISO 15118 functionality to the EVSE side. It provides all core functionalities to enable DC Chargers the high-level communication with a CCS enabled EV.

The Controller is equipped with a QCA7005 and a powerful Cortex M4 running a state-of-the-art Real time Operating System with our complete SW stack included. It will provide your DC Charger with all the necessary parameters from the EV.

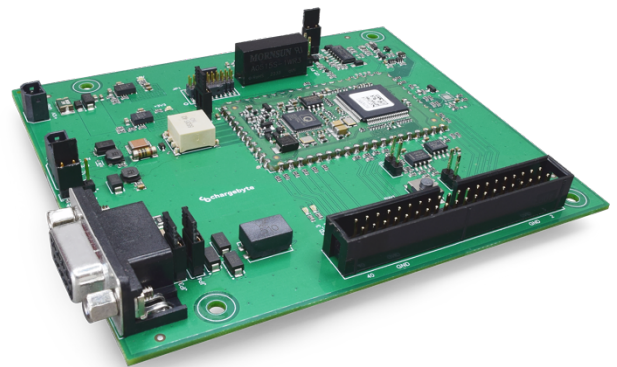
This board comes with jumpers for configuration for EV or EVSE evaluation mode, LEDs to display the status, the required galvanic isolation from the power line as well as the power supply (external supply: 12V).

Key Features

- based on Charge Module S/E
- suitable for direct connection to the CP signal in electric vehicle charging
- external 12 V power supply
- GPIO / UART / I2C

Operational

Parameter	Value
Temperature range	-40 °C - +85 °C
RoHS / REACH	Compliant
Power supply	12 V
Power consumption	max. 4 W
Outline dimension	100 mm x 115 mm



Application

Communication controller for EVSE

Interfaces

- D-Sub / CAN connector
- Power supply connector
- Charging connector for CP, PP, PE
- JTAG
- UART
- I2C