

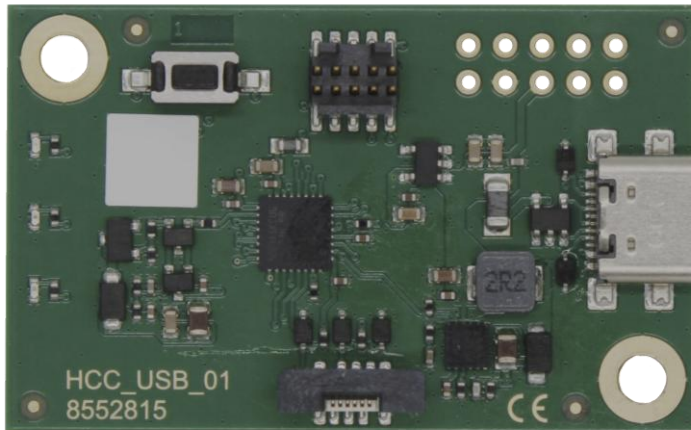
HAPTICORE CONTROL UNIT USB 01

Datasheet

V2 29.04.2026

HAPTICORE CONTROL UNIT USB 01

Scope of delivery



Hardware

HAPTICORE Control Unit USB 01

USB-A to USB-C cable

Software

HAPTICORE Xperience (Quick Start Demo Software)

HAPTICORE Customer Test App (for advanced testing and prototyping)

Documentations

Quickstart Guide

HAPTICORE Haptic Functions Documentation

HAPTICORE Firmware Update Guide

HAPTICORE .NET Library Documentation

HAPTICORE Serial Communication Protocol Documentation

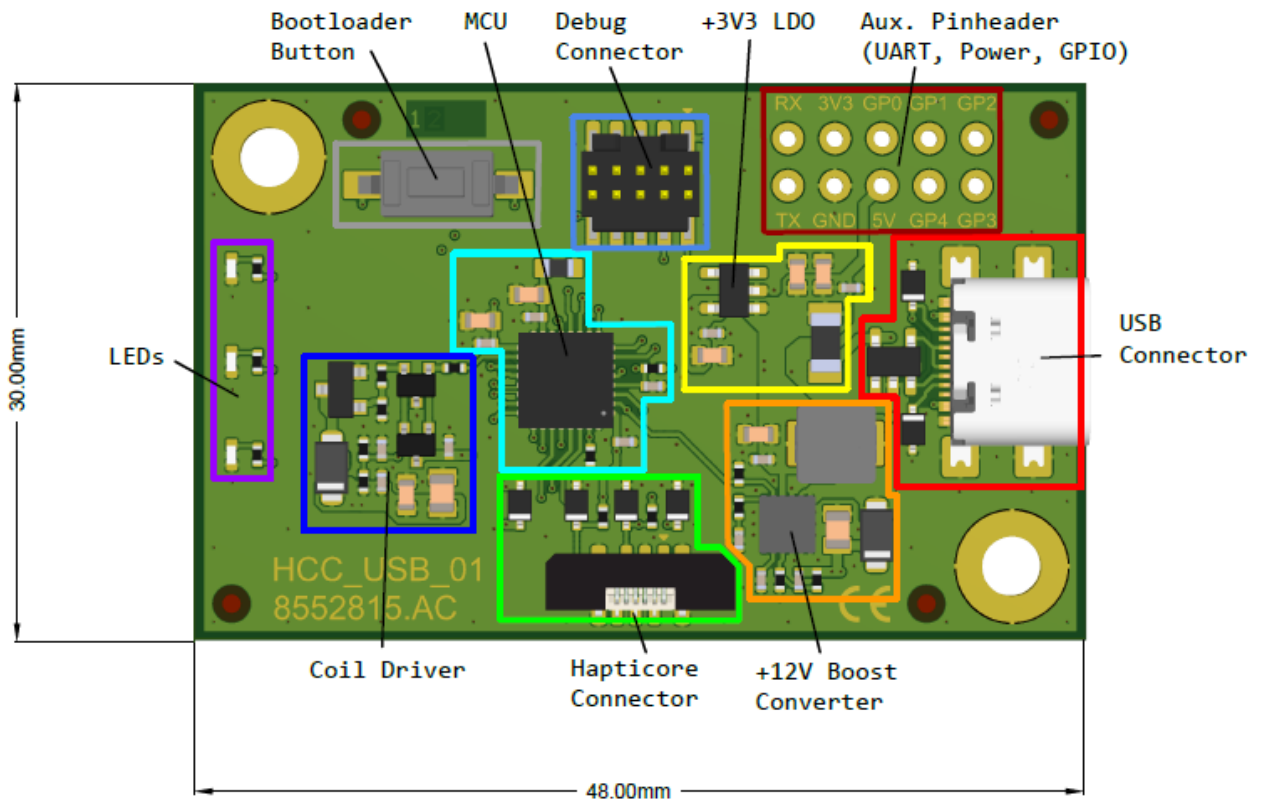
Libraries

HAPTICORE .NET Library

Find the complete software package at www.xeeltech.com/downloads

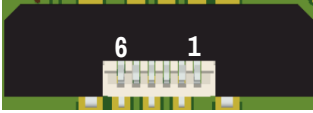
Technical specifications

Available Interfaces	USB / (UART 3.3V TTL optional on expansion connector)
Power supply	USB
Expansion connector	Not assembled
ROHS / REACH	Yes



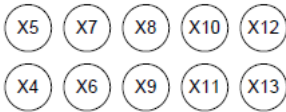
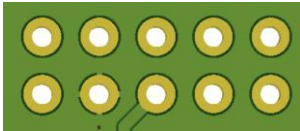
Height ~ 8 mm

6-pin connector pinout



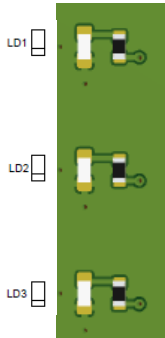
Pin	Signal
1	Coil-
2	Coil+
3	GND
4	+3V3
5	SCL
6	SDA

Expansion connector pinout



Pin	Signal
X4	PA2 / UART_TX
X5	PA3 / UART_RX
X6	GND
X7	+3V3
X8	PA6 / GP0
X9	+5V
X10	PA7 / GP1
X11	PF1 / GP4
X12	PB3 / GP2
X13	PB5 / GP3

Status LEDs



LED	Color	Status
1	Green	Power
2	Orange	Coil current
3	Red	Error

A blinking green LED indicates normal operation. The orange LED illuminates when the coil is powered and the red LED indicates an error. The error code can be read out via the HAPTICORE Customer Test App.

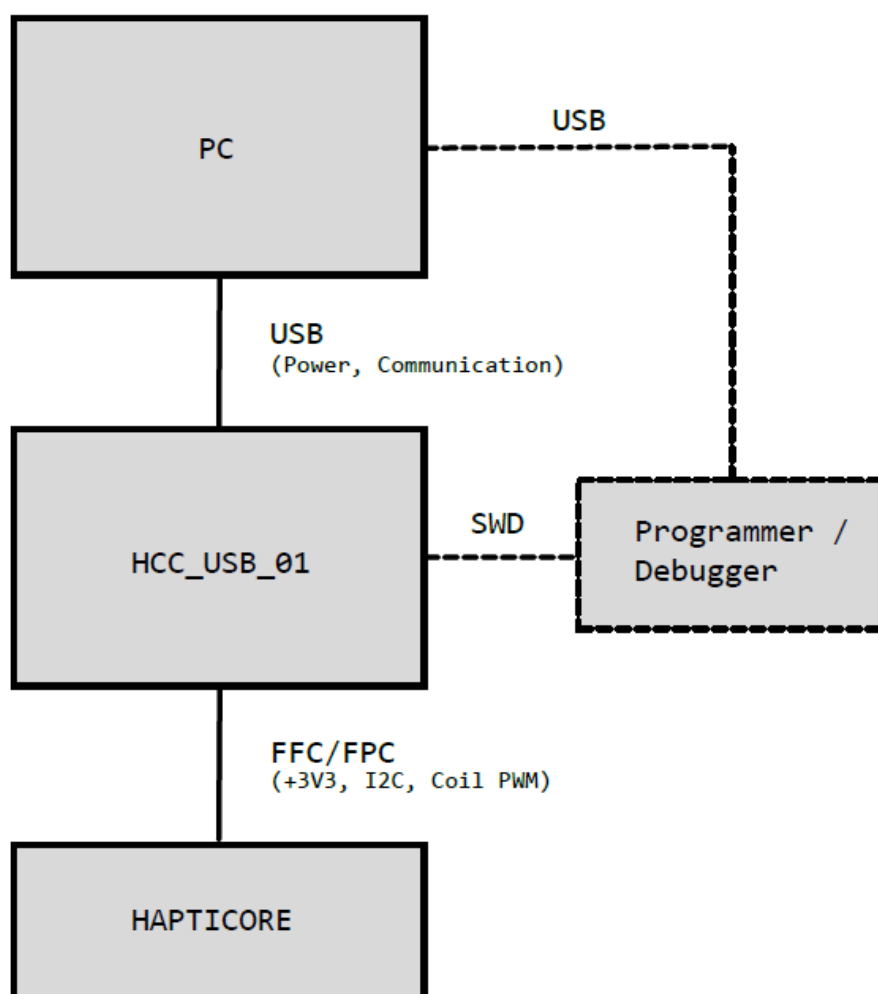
For assistance with any errors reach out to our integration team.

System configuration

HAPTICORE Eval Kits are your entry to our world of programmable haptic feedback and to help you build your first prototype. To make this process as easy as possible the Eval Kits are designed to work with the HAPTICORE Control Unit USB to let you connect your Eval Kit to your computer as well as integrate them into your prototype.

The diagram below shows the system configuration and communication setup for your Eval Kit.

Please note that the HAPTICORE Control Unit USB will not be required for the integration into your serial product.



Contact XeelTech

Do you have questions regarding the HAPTICORE technology, need support during the installation, or are interested in our serial products?

Contact our support team. We are at your disposal at any time.



XeelTech GmbH

Salzburger Straße 52

4800 Attnang-Puchheim

Austria

mail@xeeltech.com

+43 7674 603-0

www.xeeltech.com