

## HDMI interface demonstration kit based on the HDMI2C1-14HD (main board + daughter board)

Data brief

### Features

- Interfaces any HDMI source equipment (transmitter) to and HDMI sink (receiver) through an HDMI cable.
- Complies to HDMI™ 1.4 standard
- Fully integrated ESD protection
- RoHS compliant

### Description

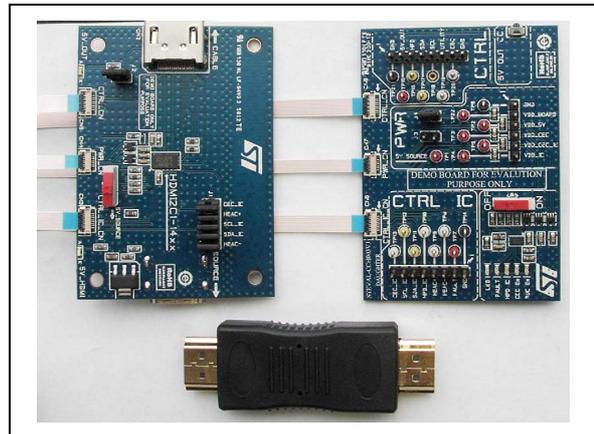
The STEVAL-CCH003V1 demonstration kit has been developed to demonstrate that the HDMI2Cx-14HD series can provide HDMI™ interface designers a simple and fast means to reach full compliancy with stringent HDMI™ 1.4 standards.

The evaluation kit is made up of two boards: the main board and an optional daughter board.

The main board contains the HDMI2C1-14HD device, and is designed to be connected between any type of HDMI source equipment (transmitter) and HDMI sink (receiver) through an HDMI cable.

The optional daughter board can be connected to the main board through dedicated connectors. It provides easy access to all the HDMI control stage signals and main board power supplies (+5 V of the DDC bus, +3.3 V of the CEC bus, and VDD of the HDMI ASIC).

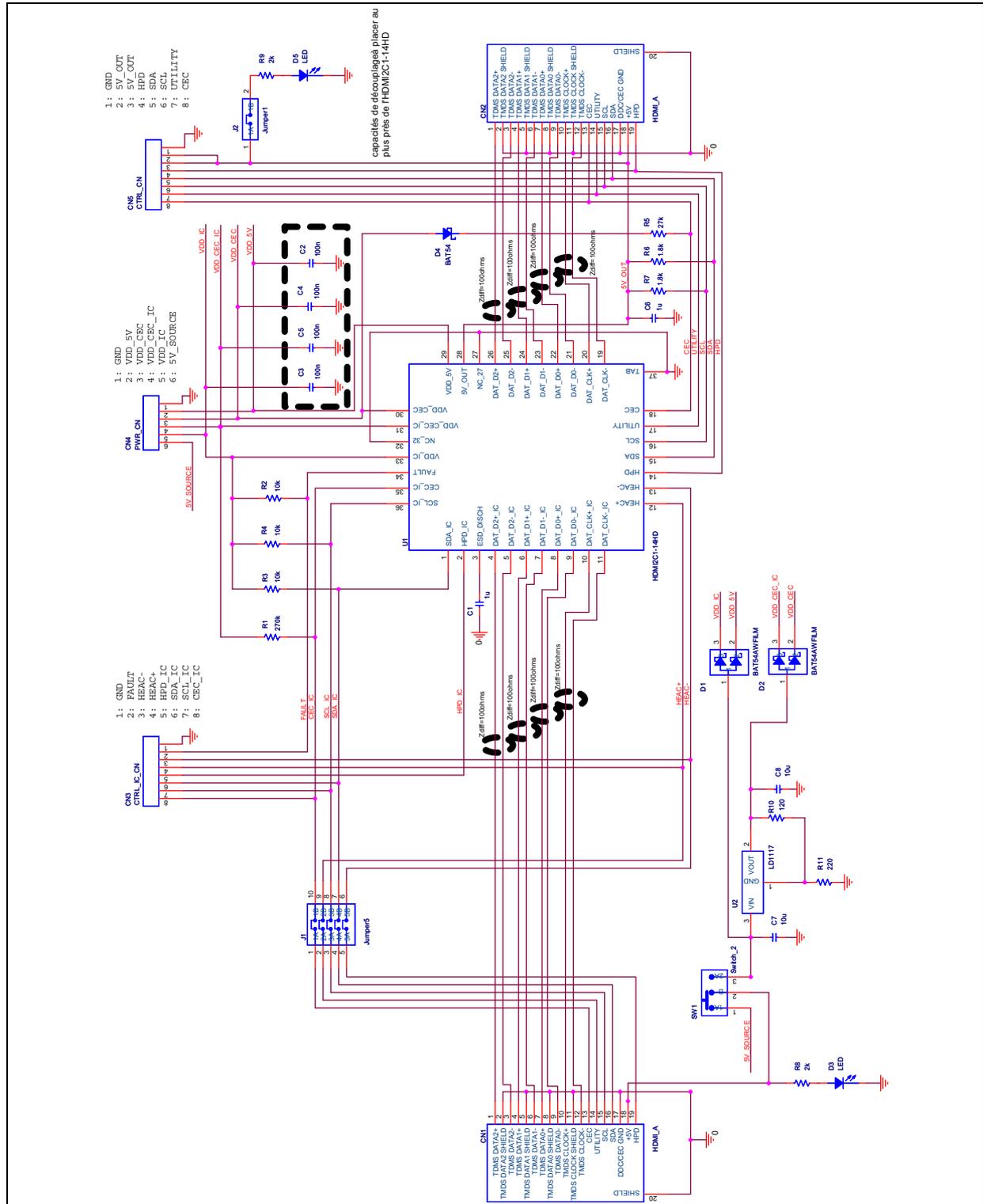
The main board can be used in a standalone configuration as a “plug and play” board, to show that the interface is working properly. It can also be used to demonstrate the capability of the HDMI2C1-14HD device to drive cables with a high capacitance load (poor quality or long HDMI cable).



Finally, it can be used to evaluate power consumption in various operating configurations (i.e., transmitter in standby mode, various ASIC power supply voltage values, ruggedness against external stresses).

# 1 Schematic diagram

Figure 1. STEVAL-CCH003V1 circuit schematic



## 2 Revision history

Table 1. Document revision history

Date	Revision	Changes
31-Jan-2013	1	Initial release.

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