

# STEVAL-IPE023V1

### USB interface tool for STPMxx family of energy meter ICs

#### Data brief

#### Features

- Connection to an external metrology board
- Microcontroller to implement the bridge function allowing fast data acquisition with local buffering
- Galvanic insulation between the metrology board connector and the microcontroller
- USB connectivity
- RoHS compliant

### Description

The STEVAL-IPE023V1 is a USB interface tool that can be used to interface boards related to the STPMxx family of energy meter ICs.

The STEVAL-IPE023V1 works as a USB bridge between energy meter boards and a PC running the appropriate GUI application to manage the specific IC.



### 1 Schematic diagrams

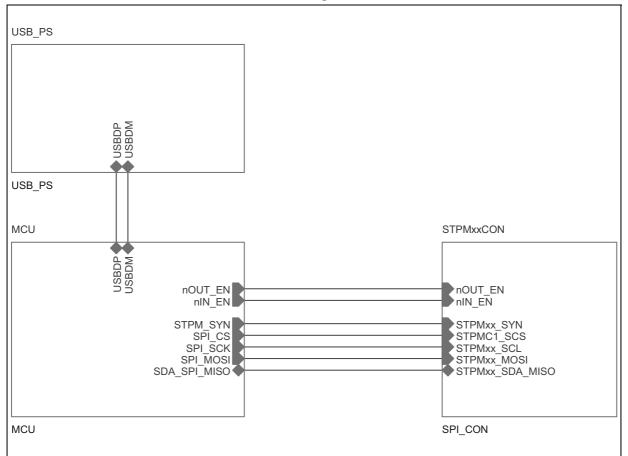
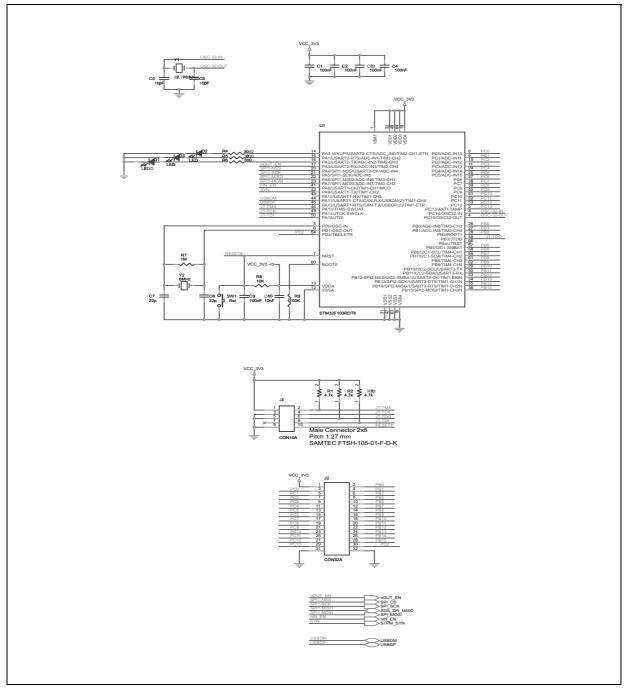


Figure 1. TOP









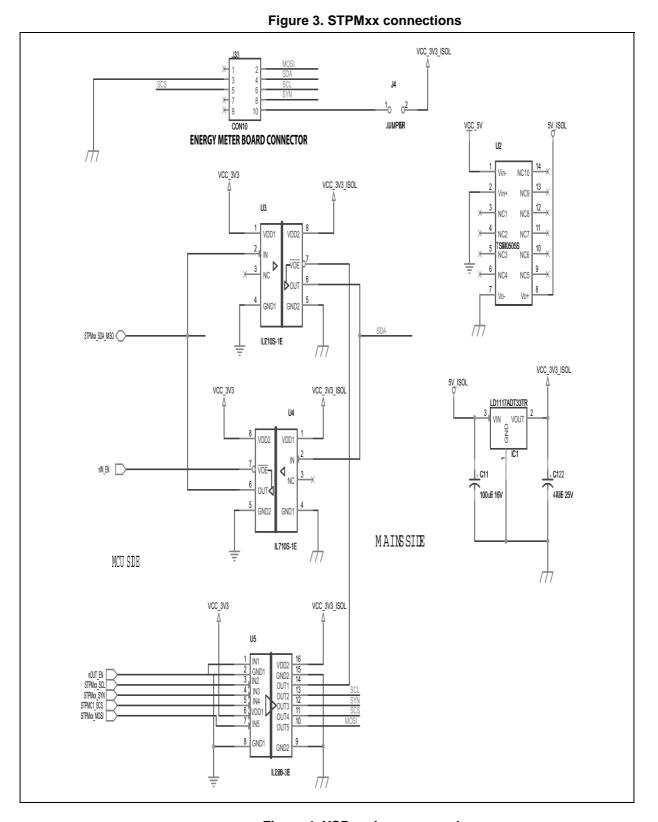
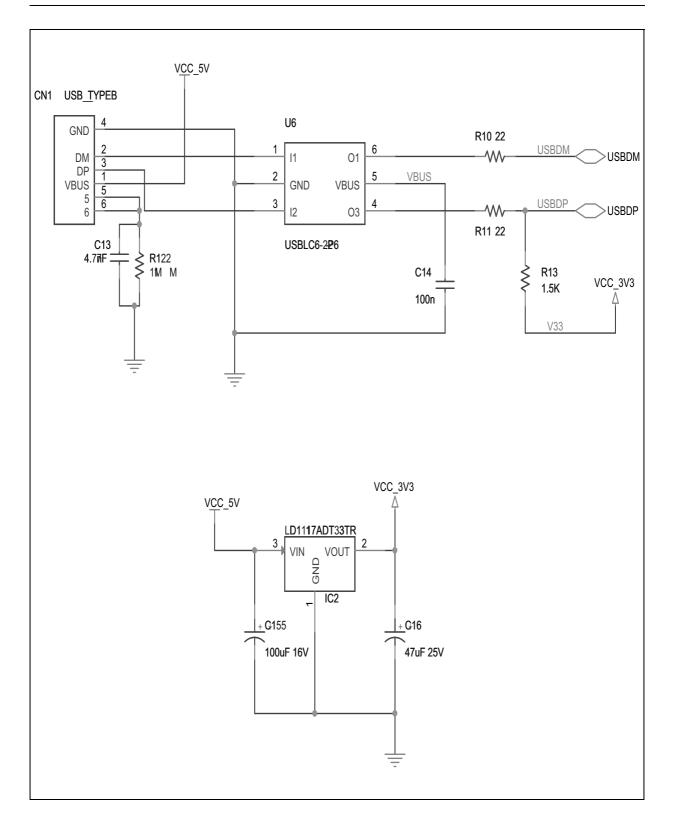


Figure 4. USB and power supply

DocID024308 Rev 2







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## 2 Revision history

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Date	Revision	Changes
07-May-2013	2	First public release.



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