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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

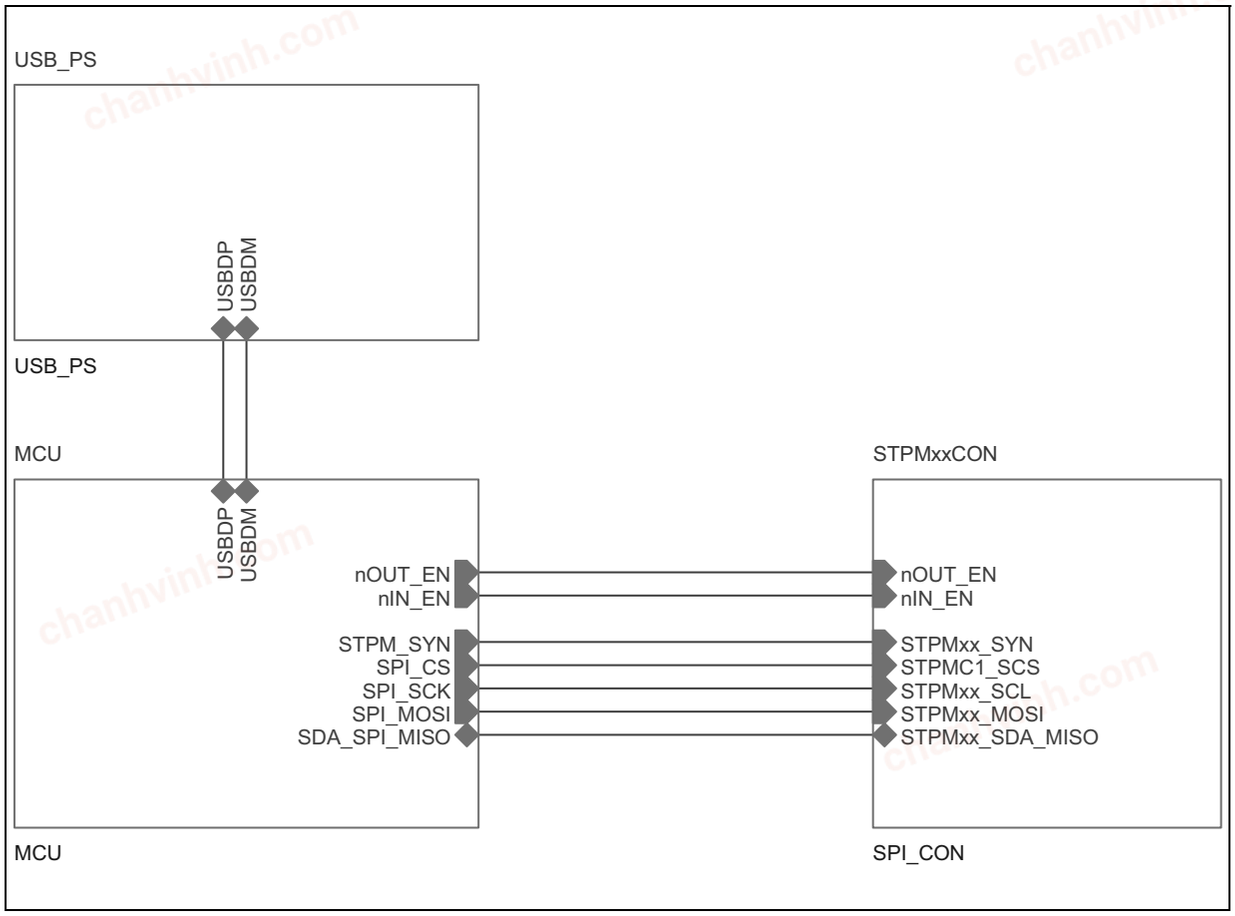
The STEVAL-IPE023V1 is a USB interface tool that can be used to interface boards related to the STPMxx family of energy meter ICs.

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.

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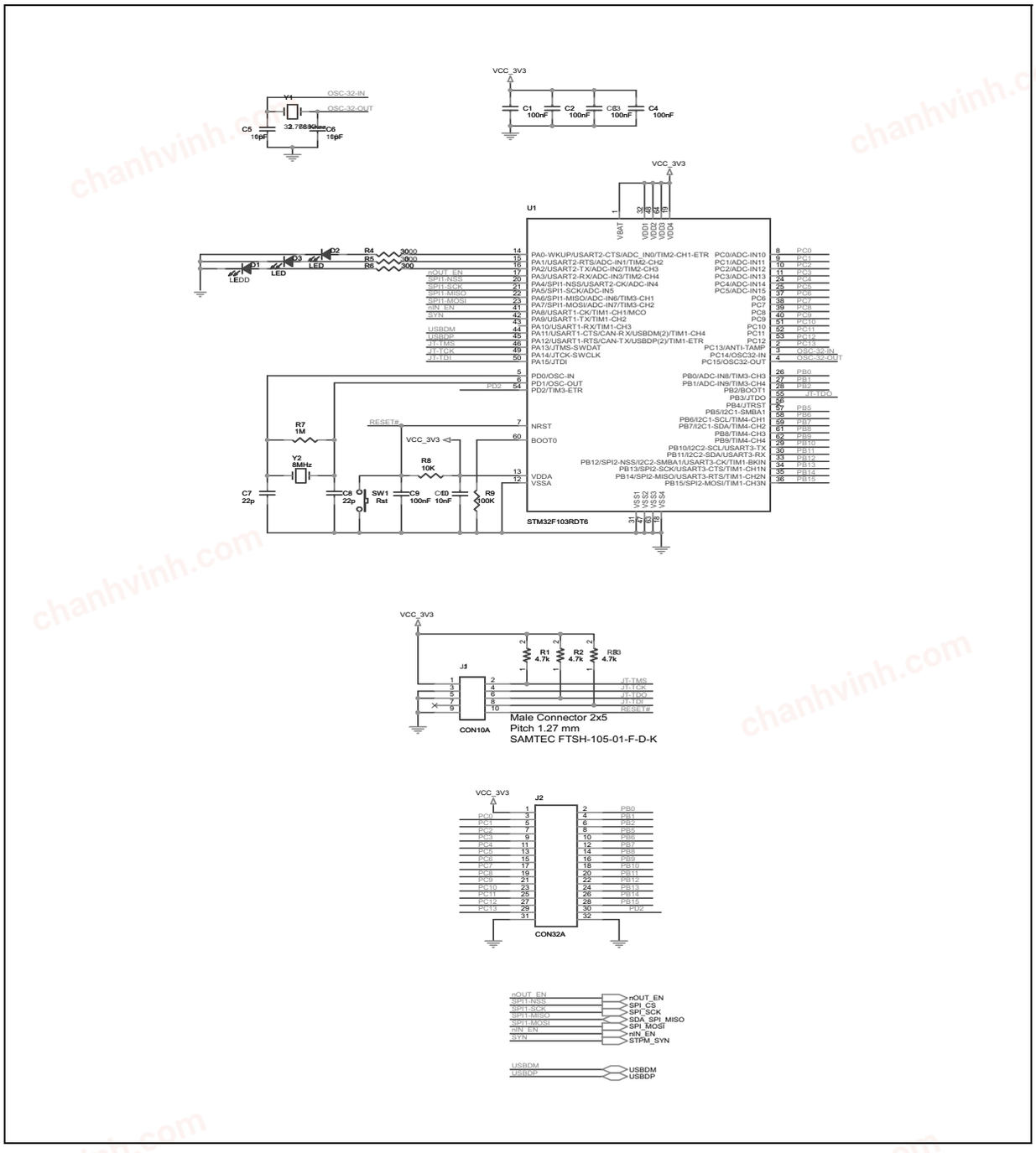
1 Schematic diagrams

Figure 1. TOP



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Figure 2. STM32F103



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Figure 3. STPMxx connections

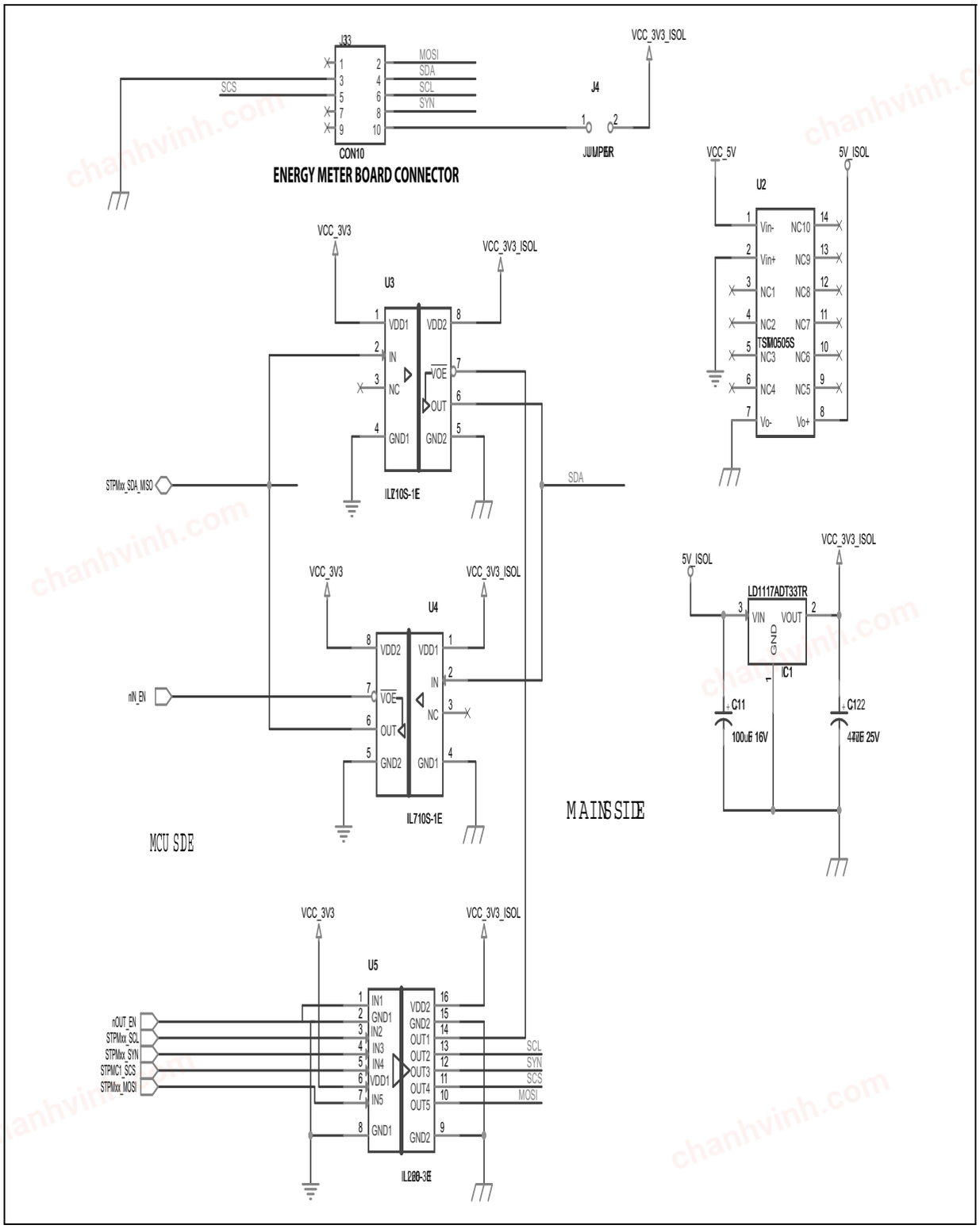
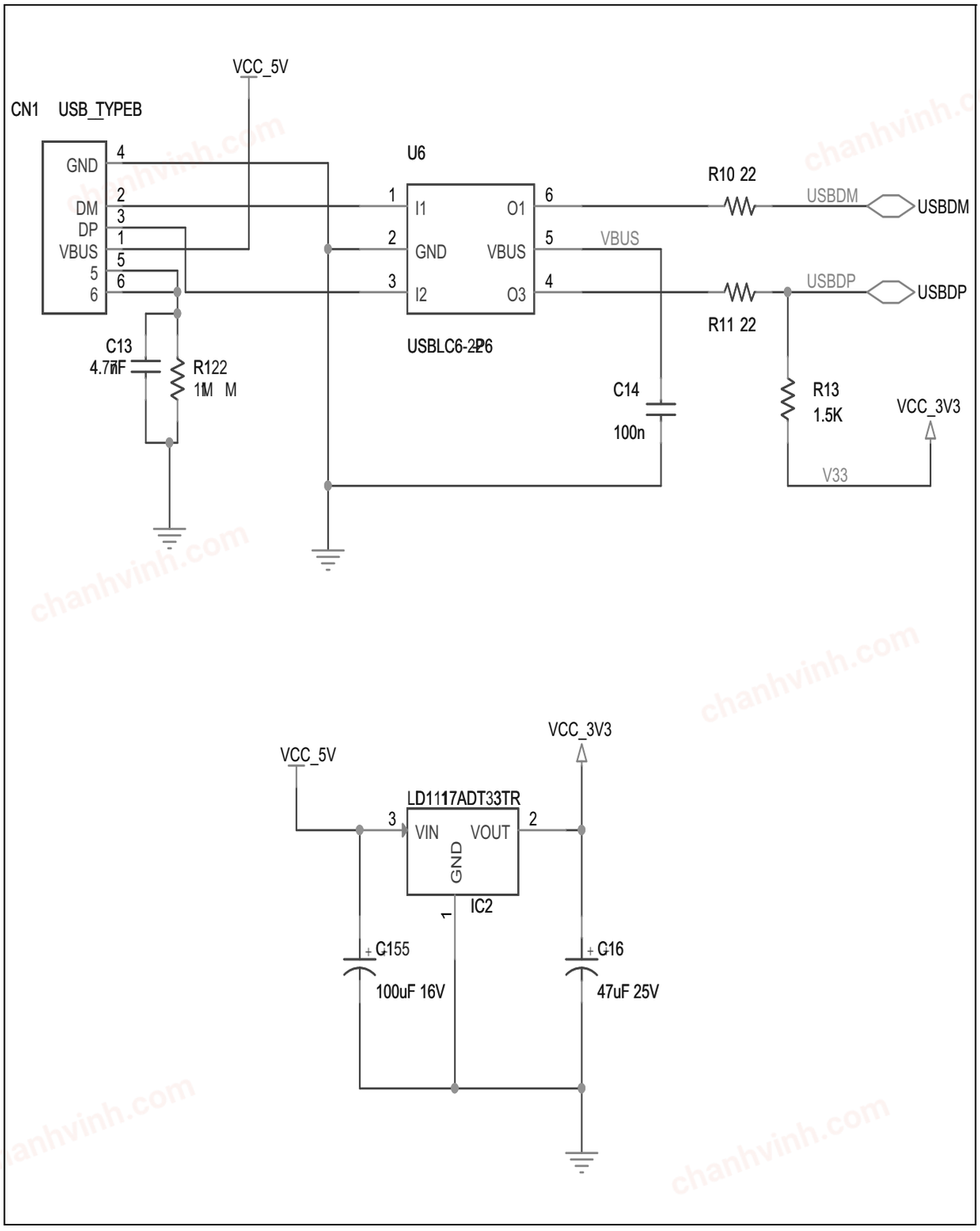


Figure 4. USB and power supply

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2 Revision history

Table 1. Document revision history

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

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