



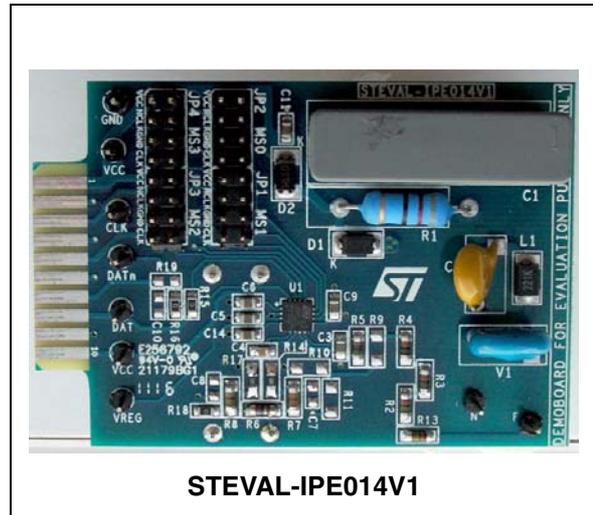
STEVAL-IPE014V1

Multiphase energy meter daughterboard based on the STPMS2 smart sensor device

Data brief

Features

- Modular and programmable
- Supports:
 - 3-phase, 4-wire RSTN, 4-system RSTN (tamper); extra module required
 - 3-phase, 4-wire RSTN, 3-system RST
 - 3-phase, 3-wire RST_, 3-system RST_ (tamper)
 - 3-phase, 3-wire RST_, 2-system R_T_ (Aron)
 - 2-phase, 3-wire _STN, 2-system _ST_ (America)
 - 1-phase, 2-wire __TN, 2-system _ST_ (tamper)
 - 1-phase, 2-wire __TN, 1-system __T_
- 4 LED indicators to display:
 - Power
 - No load condition
 - Tamper detection
 - Reverse current direction
- Embedded capacitive power supply
- Isolation of current channel
- RoHS compliant



Description

The STEVAL-IPE014V1 is a daughterboard based on the STPMS2 “smart sensor” device, and is designed for use with the STPMC1-based STEVAL-IPE010V1 motherboard. Together the system provides a complete, ready-to-use energy meter application.

When connected to the motherboard, each STEVAL-IPE014V1 daughterboard serves a single phase, converting and multiplexing the voltage and current information and sending the stream to the STPMC1 energy calculator IC.

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
24-Aug-2011	1	Initial release.

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