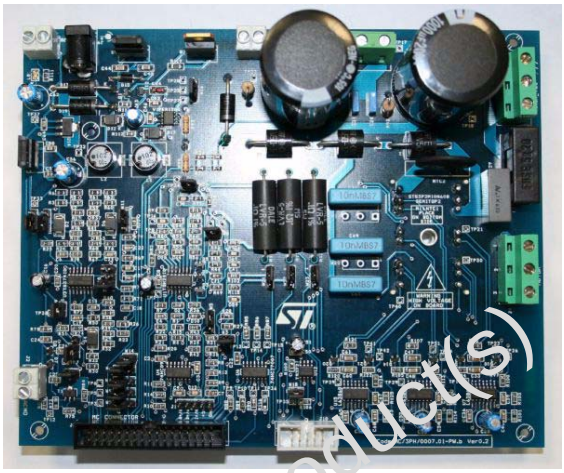
STEVAL-IHM011V1

IGBT power module kit - SEMITOP2® power board

Data Brief

Features

- 34-pin dedicated motor control connector
- 5-pins hall sensor/encoder input
- Tachometer sensor input
- Support for 5 V or 3.3 V microcontroller
- Three configurations for current detection:
  - 1 shunt resistor
  - 3 shunt resistors or
  - 3 external ICS (insulated current sensor)
- Current amplification network
- BEMF detecting network
- Hardware current protection
- Hardware thermal protection (using on-board temperature sensor)
- Resistive brake network



STEVAL-IHM011V1

Description

The STEVAL-IHM011V1 evaluation board is a complete platform for evaluating the STMicroelectronics power module SEMITOP2® devices. Based on a cost-effective, flexible and open design, it is an evaluation platform which is compatible with the latest STMicroelectronics microcontroller-based solution. It includes the 10A, 600 V STG3P2M10N60B IGBT power module (see note *1*). This evaluation board has a motor control connector (mc-connector) and hardware features for developing motor control applications. It also includes hardware protection features such as current and thermal protection.

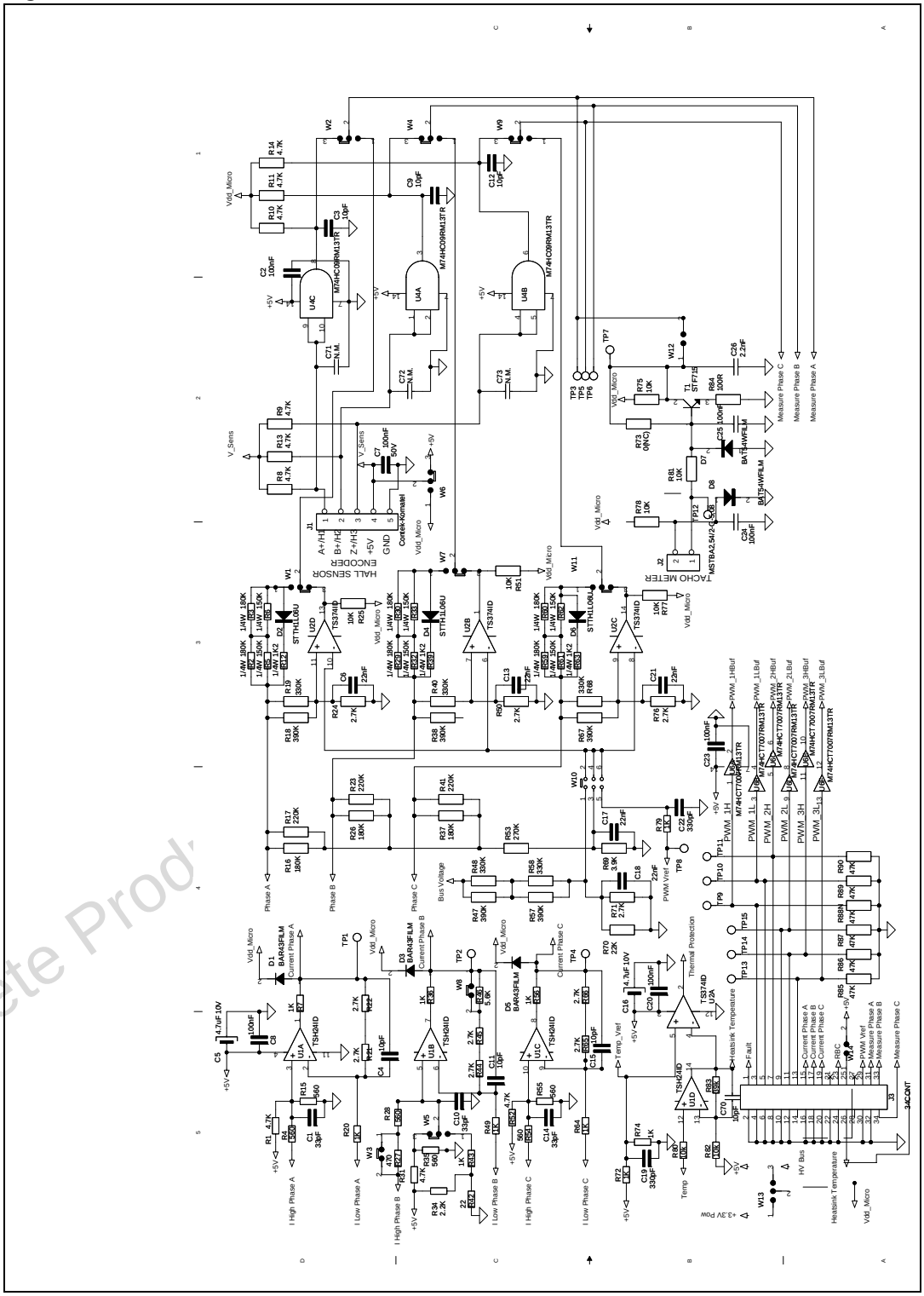
Obsolete Product(s) - Obsolete Product(s)

Note: 1 The kit has been designed and tested to work with European mains (maximum 380 V_{DC})

For further information contact your local STMicroelectronics sales office. www.st.com

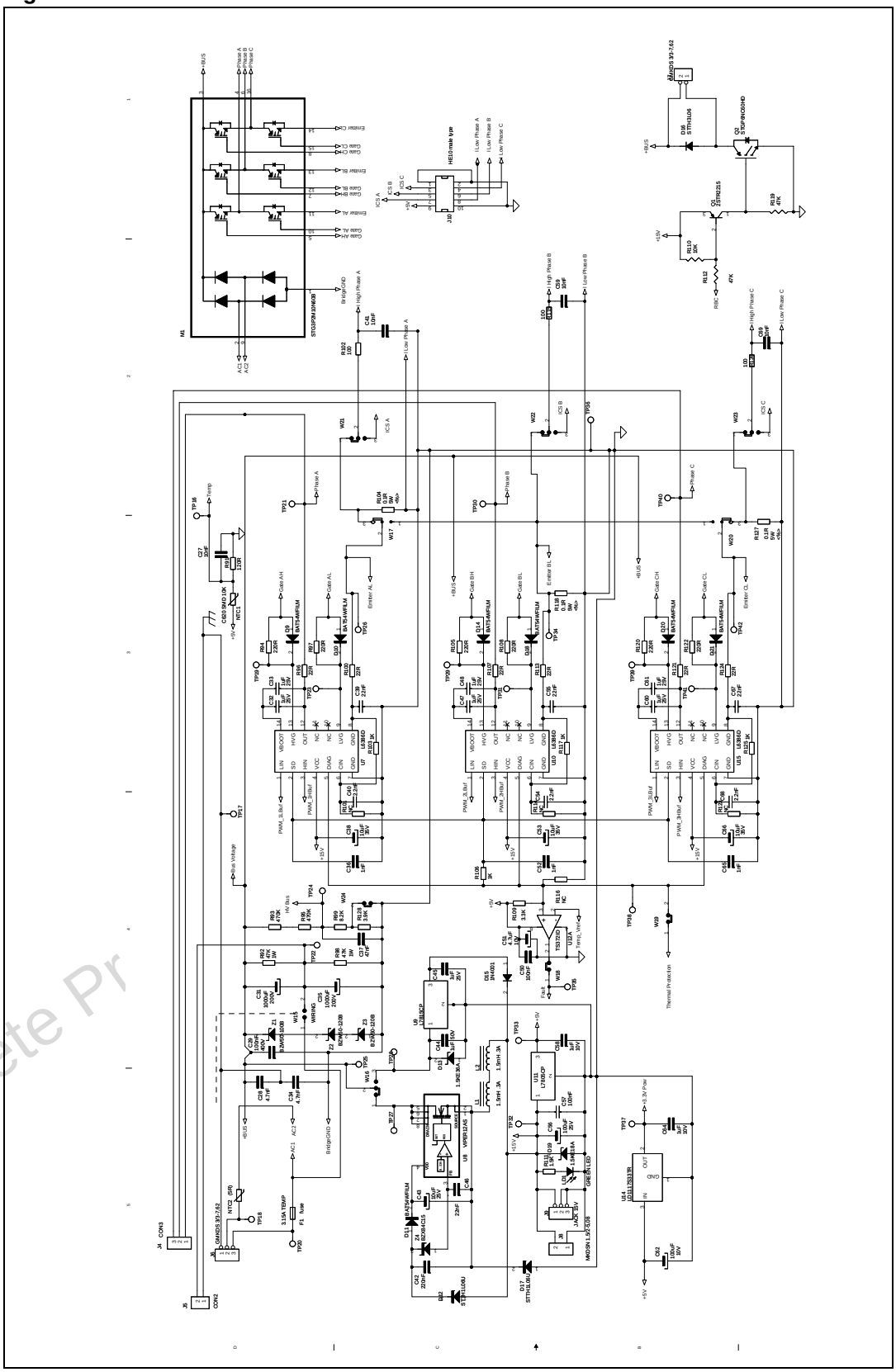
1 Board schematic

Figure 1. Schematic 1/2



Obsolete Prod

Figure 2. Schematic 1/2



Obsolete Pr

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
03-Mar-2008	1	Initial release.

Obsolete Product(s) - Obsolete Product(s)

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